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METAL WORKING
金属加工

Metal working machines

The best in quality, value and service

2019/20

Version 1.0

扬州欧普兄弟机械工具有限公司
Yangzhou Euro Brother Machine & Tools Co., Ltd.

欧之星工厂 (Euro Star Factory)



陈军 (董事长)
James Chen (Chairman)

公司简介

扬州欧普集团公司，系一家工贸一体化外向型企业，下设三大生产基地：扬州欧普兄弟机械工具有限公司，中德合资欧普铁玛（扬州）机械有限公司、扬州欧普鼎盛机械有限公司，和一家外贸公司：扬州拓展进出口有限公司。集团员工人数300余人，生产基地4万余平方米，年产能力1万台套，年出口总额3亿元人民币，并逐年稳步提升。

扬州欧普兄弟机械工具有限公司执行严谨的工艺流程、严格的品质管理。依据ISO9001质量管理体系，对各类产品进行全面品质管理，确保产品质量的优异。

扬州欧普兄弟机械工具有限公司汇聚国内外技术经验丰富的机械专家和研究人员，拥有国际先进水准的生产设备，生产各种中小型数控加工中心、数控车床、数控铣床、以及各种工业及家用钻铣床、钻床和车床等。我们始终致力于专业服务团队建设。在欧洲、美洲、澳大利亚、中东、东南亚、非洲等区域的大多数国家和地区建立贸易服务网络，我们的产品受到全球各地客户的喜爱。

Company Introduce

As an export-oriented, industry & trade integrated enterprise, Yangzhou Euro Group has three production bases: Yangzhou Euro Brother Machine & Tools Co., Ltd.; China-German joint venture OPTIMUM (Yangzhou) Machinery Co., Ltd.; Yangzhou Opcraft Machinery Co., Ltd. and one trading company: Yangzhou Developping Import & Export Co., Ltd. With more than 300 employees and 40,000 square meters production bases Yangzhou Euro Group has a yearly capacity of more than 10000 sets of different machines and a yearly total export of 300 million RMB which rises steadily year by year.

Yangzhou Euro Brother Machine & Tools Co., Ltd. carries out strict technical process and quality control. Based on ISO 9001 system, it performs a total quality management on its products so that they meet high quality requirements.

With a team of experienced experts and researchers from home and abroad and advanced production equipments, Yangzhou Euro Brother Machine & Tools Co., Ltd produces quality products such as small and medium sized cnc machining centers, cnc lathe, cnc milling machines and milling, drilling and lathe machines for both industrial & home use.

We are always committed to the building of professional service team. We have established the trade & service network in many countries and districts such as Europe, America, Australia, Mid-East, Southeast Asia and Africa, and our products are welcomed by customers from all over the world.

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欧普铁玛工厂 (Optimum Factory)



CNC

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DRILLING

LATHE

SAW

GRINDER

SHEET WORKING

欧普鼎盛工厂(Opcraft Factory)



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TOPTECH

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公司产品(Company Produces)



CNC

MILLING

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DRILLING

LATHE

SAW

GRINDER

SHEET WORKING

CNC MACHINE

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F 150 CNC	A13
F 120X CNC	A15
F 120X Pro CNC	A17
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F 410	A27
FU 3.....	A33
FU 5	A41
F 500/F 600 CNC	A49
F 800 CNC	A51
F 900 CNC	A53
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L 34 HS CNC	A81
L 40/L 50 CNC	A83
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L 560/L 660 CNC	A97
S 400E/S 600E CNC.....	A99
S 400PS/S 600PS CNC	A101
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SK61128/148/168/198/208.	A111
Accessories	A113
Lamp	A119



CNC Milling machines



数控培训西门子合作伙伴

西门子多年以来一直是 OPTIMUM 德国公司数控车床和铣床控制驱动技术系统的供应商。鉴于长期成功的合作，双方于 2012 年 6 月在德国巴伐利亚签订了数控培训的合作协议。针对目标群体特定的课程使得每一位参加培训活动的能熟悉各种西门子 Sinumerik 控制系统。

Siemens cooperation partner for CNC training

Siemens has for many years been the system supplier of the control and drive technology for CNC-controlled lathes and milling machines by OPTIMUM Maschinen Germany GmbH. Due to our long-standing and successful collaboration, a cooperation partnership for CNC training in Bavaria was agreed in June 2012. Target-group specific courses familiarise the participants of the training program with the various Sinumerik controls.

CNC MILLING MACHINE

数控铣床 F2 PRO CNC

NEW



优质、高效与高性价比

- 三轴线性导轨、滚珠丝杆
- 三进给轴选用伺服电机
- 欧盟级安全标准
- 选用进口国际品牌元器件
- 自动润滑系统
- 气动打刀、拉刀
- 结构紧凑、易于操作、占地面积小

Convincing arguments: quality, efficiency and price

- Linear guide and ball screw in three axis
- Spindle servo motor
- Conform to European Safety Standards
- Imported components with international brand
- Automatical lubricating system
- Pneumatical-cylinder and cutter
- Compact structure, easy for operation and less occupied area

机床技术参数 /Specification

型号	Model	F2 PRO
产品编号	Code No.	1102300
机床电器	Electric Supply	
总功率	Total connection	3 KW
主电机功率	Driving motor	1.1 KW
冷却泵功率	Coolant pump	40 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	1.9/3.5/3.5 Nm
机床电压	Motor	400 V/50 HZ/3 PH
主轴	Spindle	
主轴锥度	Spindle taper	BT30
主轴转速	Spindle speed	3000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	220 mm
最大面铣直径	Face milling dimension (Max)	Ø40 mm
最大立铣直径	End milling dimension (Max)	Ø25 mm
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	620x180 mm
主轴端到工作台面距离	Distance spindle-table	20-305 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	12mm/50mm/3
最大承载重量	Load(Max)	30 kg
行程	Travel	
X轴	X axis	355 mm
Y轴	Y axis	155 mm
Z轴	Z axis	230 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	6000 m/min
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	1640x1070x1980 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	1816x1116x2240 mm
净重/毛重	Net weight/Gross weight	540/600 kg
水箱容积	Tank capacity	16 L

可选附件 Optional accessories:



- 对刀仪
- Tool-setting gauge



- OPS-30 红外通讯测头系统
- Optical Probe System

CNC MILLING MACHINE

数控铣床 F3 PRO CNC

NEW



优质、高效与高性价比

- 三轴线性导轨、滚珠丝杆
- 三进给轴选用伺服电机
- 欧盟级安全标准
- 选用进口国际品牌元器件
- 自动润滑系统
- 气动打刀、拉刀
- 结构紧凑、易于操作、占地面积小

Convincing arguments: quality, efficiency and price

- Linear guide and ball screw in three axis
- Spindle servo motor
- Conform to European Safety Standards
- Imported components with international brand
- Automatical lubricating system
- Pneumatical-cylinder and cutter
- Compact structure, easy for operation and less occupied area

机床技术参数 /Specification

型号	Model	F3 PRO
产品编号	Code No.	1103300
机床电器	Electric Supply	
总功率	Total connection	3.5 KW
主电机功率	Driving motor	1.5 KW
冷却泵功率	Coolant pump	95 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	1.9/3.5/3.5 Nm
机床电压	Motor	400 V/50 HZ/3 PH
主轴	Spindle	
主轴锥度	Spindle taper	BT30
主轴转速	Spindle speed	4000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	220 mm
最大面铣直径	Face milling dimension (Max)	Ø40 mm
最大立铣直径	End milling dimension (Max)	Ø25 mm
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	620x180 mm
主轴端到工作台面距离	Distance spindle-table	50-280 mm
T型槽宽/间距/数量	T-slot(size/distance/number)	12 mm/50 mm/3
最大承载重量	Load(Max)	30 kg
行程	Travel	
X轴	X axis	355 mm
Y轴	Y axis	155 mm
Z轴	Z axis	230 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	6000 m/min
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	1450x1380x2000 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	1510x1430x2100 mm
净重/毛重	Net weight/Gross weight	1000/1100 kg
水箱容积	Tank capacity	45 L

可选附件 Optional accessories:



- 对刀仪
- Tool-setting gauge



- OPS-30 红外通讯测头系统
- Optical Probe System

CNC MACHINE CENTER

小型立式加工中心 F4 CNC(with tool changer)



优质、高效与高性价比

- 三轴线性导轨
- 三轴伺服驱动
- 门带安全开关
- 三轴滚珠丝杠
- 集中润滑系统
- 冷却系统
- 结构紧凑，易于操作

Convincing arguments: quality, efficiency and price

- Linear guiding in all three axis
- Servo-drive in all three axis
- Door equipped with a safety switch
- Ball screw in all three axis
- Central lubricating
- Coolant system
- Compact structure, easy for opetation

可选附件 Optional accessories:



- 台湾进口第四轴(回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- 对刀仪
- Tool-setting gauge



- OPS-30 红外通讯测头系统
- Optical Probe System

型号	Model	F4
产品编号	Code No.	1104200
机床电器	Electric Supply	
总功率	Total connection	6 KW
主电机功率	Driving motor	2.2 KW
冷却泵功率	Coolant pump	95 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	3.3/5/5 Nm
主轴	Spindle	
主轴锥度	Spindle taper	BT30
主轴转速	Spindle speed	50-10000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	280 mm
最大面铣直径	Face milling dimension (Max)	Ø65 mm
最大立铣直径	End milling dimension (Max)	Ø30 mm
刀库	Magazine	
刀库容量	Capacity	8 tools
最大刀具尺寸(满刀/邻空刀)	Tool diameter (Max)	Ø 70 mm(with adjacent tool) Ø110 mm
最大刀具重量	Tool weight (Max)	6 kg
换刀时间	Time-tool changing	6 Seconds
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	690x210 mm
主轴端到工作台面距离	Distance spindle-table	90-390 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	16 mm/63 mm/3
最大承载重量	Load(Max)	100 kg
行程	Travel	
X轴	X axis	310 mm
Y轴	Y axis	200 mm
Z轴	Z axis	300 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	10000 mm/min
精度	Accuracy	
定位精度	Positioning accuracy	±0.02 mm
重复定位精度	Repeat positioning accuracy	±0.01 mm
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	1800x1641x2000 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	2020x1840x2150 mm
净重/毛重	Net weight/Gross weight	1400/1520 kg
水箱容积	Tank capacity	50 L

细节展示 Details



- 电箱宽大，易于维护
- Wide electrical-cabinet for easy maintenance



- 斗笠式刀库
- Magazine tool-changer



- 西门子808D控制器
- Siemens 808D Advanced control system

CNC MACHINE CENTER

小型立式加工中心 F80AD CNC

F80AD CNC :
 808PPU15X/808PPU16X advanced系统
 主轴功率 2.2 KW/3.7 KW
 电机扭矩 3.5/6/6 Nm
 西门子全套
 第三方主轴

F80AD CNC :
 808PPU15X/808PPU16X advanced system
 Spindle power 2.2 KW/3.7 KW
 Motor torque 3.5/6/6 Nm
 Full set of parts from Siemens
 Spindle from four party

10 把斗笠式刀库
 10 pcs Tool changer



优质、高效与高性价比

- 三轴线性导轨
- 三轴伺服驱动
- 门带安全开关
- 三轴滚珠丝杠
- 集中润滑系统
- 冷却系统
- 结构紧凑，易于操作

Convincing arguments: quality, efficiency and price

- Linear guiding in all three axis
- Servo-drive in all three axis
- Door equipped with a safety switch
- Ball screw in all three axis
- Central lubricating
- Coolant system
- Compact structure, easy for operation

可选附件 Optional accessories:



- 台湾进口第四轴(回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- 对刀仪
- Tool-setting gauge



- OPS-30 红外通讯测头系统
- Optical Probe System

型号	Model	F8oAD(PPU15X)/F8oAD(PPU16X)
产品编号	Code No.	1108000-15/1108000-16
机床电器	Electric Supply	
总功率	Total connection	7 KW/8.5 KW
主电机功率	Driving motor	2.2 KW/3.7 KW
冷却泵功率	Coolant pump	370 W
电机扭矩(X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	3.5/6/6 Nm
主轴	Spindle	
主轴锥度	Spindle taper	BT30
主轴转速	Spindle speed	50-10000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	315 mm
最大面铣直径	Face milling dimension (Max)	Ø65 mm
最大立铣直径	End milling dimension (Max)	Ø30 mm
刀库	Magazine	
刀库容量	Capacity	10 tools Ø 104 mm(with adjacent tool) Ø160 mm
最大刀具尺寸(满刀/邻空刀)	Tool diameter (Max)	
最大刀具重量	Tool weight (Max)	6 kg
换刀时间	Time-tool changing	6 Seconds
工作台	Table	
工作台尺寸(长×宽)	Table length×width	800×260 mm
主轴端到工作台面距离	Distance spindle-table	75-475 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	16 mm/50 mm/5
最大承载重量	Load(Max)	150 kg
行程	Travel	
X轴	X axis	400 mm
Y轴	Y axis	230 mm
Z轴	Z axis	400 mm
快移速度(X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	10000 mm/min
精度	Accuracy	
定位精度	Positioning accuracy	±0.02 mm
重复定位精度	Repeat positioning accuracy	±0.01 mm
尺寸	Dimensions	
外形尺寸(长×宽×高)	Overall dimension(LxWxH)	1925×1679×2070 mm
包装箱尺寸(长×宽×高)	Packing size(LxWxH)	2020×1780×2220 mm
净重/毛重	Net weight/Gross weight	1700/1900 kg
水箱容积	Tank capacity	160 L

细节展示 Details



- 电箱宽大，易于维护
- Wide electrical-cabinet for easy maintenance



- 斗笠式刀库
- Magazine tool-changer



- 西门子808D控制器
- Siemens 808D Advanced control system

CNC MACHINE CENTER

小型立式加工中心 F105 CNC



优质、高效、高性价比

- 12 把斗笠式刀库
- 电子手轮
- 冷却系统
- 200 升容量的冷却水箱
- 自动润滑系统

Convincing arguments: quality, efficiency and price

- 12 pcs magazine tool-changer
- Electric hand-wheel
- Coolant system
- Coolant tank with capacity of 200 litres
- Automatical lubricating system

可选附件 Optional accessories:



- 主轴中心出水
- 压力 20 帕
- 过滤精度为25μm



- Water out from spindle center
- Press 20 Bars
- Filtering precision is 25μm

型号	Model	F105(PPU15X)/F105(PPU16X)
产品编号	Code No.	1110500-15/1110500-16
机床电器	Electric Supply	
总功率	Total connection	10 KW
主电机功率	Driving motor	5.5/7.5 KW
冷却泵功率	Coolant pump	370 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	6/11/11 / 8/8/11 Nm
主轴	Spindle	
主轴锥度	Spindle taper	BT40
主轴转速	Spindle speed	8000/10000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	410 mm
最大面铣直径	Face milling dimension (Max)	Ø75 mm
最大立铣直径	End milling dimension (Max)	Ø35 mm
刀库	Magazine	
刀库容量	Capacity	12 tools
最大刀具尺寸(满刀/邻空刀)	Tool diameter (Max)	Ø 104 mm(with adjacent tool) Ø160 mm
最大刀具重量	Tool weight (Max)	6 kg
换刀时间	Time-tool changing	6 Seconds
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	800x350 mm
主轴端到工作台面距离	Distance spindle-table	100-560 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	16 mm/50 mm/5
最大承载重量	Load(Max)	300 kg
行程	Travel	
X轴	X axis	550 mm
Y轴	Y axis	330 mm
Z轴	Z axis	460 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	15 m/min
精度	Accuracy	
定位精度	Positioning accuracy	±0.01 mm
重复定位精度	Repeat positioning accuracy	±0.008 mm
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	2161x1856x2200 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	2238x1981x2215 mm
净重/毛重	Net weight/Gross weight	2800/3200 kg
水箱容积	Tank capacity	200 L

可选附件 Optional accessories:



- 台湾进口第四轴 (回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- OPS-30 红外通讯测头系统
- Optical Probe System



- 对刀仪
- Tool-setting gauge



- 排屑器
- Chip conveyor

CNC MACHINE CENTER

小型立式加工中心 F150 CNC



- 斗笠式刀库 16把刀
- Turntable style tool magazine 16tools

- 圆盘式刀库(可选) 24把刀
- Disc style tool magazine (optional) 24 tools



优质、高效、高性价比

- 16 把斗笠式刀库
- 电子手轮
- 冷却系统
- 210 升容量的冷却水箱
- 自动润滑系统

Convincing arguments: quality, efficiency and price

- 16 pcs magazine tool-changer
- Electric hand-wheel
- Coolant system
- Coolant tank with capacity of 210 litres
- Automatical lubricating system

可选附件 Optional accessories:



- 主轴中心出水
- 压力 20 帕
- 过滤精度为25μm



- Water out from spindle center
- Press 20 Bars
- Filtering precision is 25μm

型号	Model	F150(PPU15X)/F150(PPU16X)
产品编号	Code No.	1115000-15/1115000-16
机床电器	Electric Supply	
总功率	Total connection	12 KW
主电机功率	Driving motor	7.5 KW
冷却泵功率	Coolant pump	370 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	11/11/11 Nm
主轴	Spindle	
主轴锥度	Spindle taper	BT40
主轴转速	Spindle speed	10-8000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	561 mm
最大面铣直径	Face milling dimension (Max)	Ø80 mm
最大立铣直径	End milling dimension (Max)	Ø38 mm
刀库	Magazine	
刀库容量	Capacity	16 tools
最大刀具尺寸(满刀/邻空刀)	Tool diameter (Max)	Ø 78 mm(with adjacent tool) Ø120 mm
最大刀具重量	Tool weight (Max)	8 kg
换刀时间	Time-tool changing	2.5 Seconds
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	960x450 mm
主轴端到工作台面距离	Distance spindle-table	100-600 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	18 mm/80 mm/5
最大承载重量	Load(Max)	400 kg
行程	Travel	
X轴	X axis	650 mm
Y轴	Y axis	500 mm
Z轴	Z axis	500 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	30 m/min
精度	Accuracy	
定位精度	Positioning accuracy	±0.01 mm
重复定位精度	Repeat positioning accuracy	±0.005 mm
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	1760x1880x2200 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	2292x2268x2220 mm
净重/毛重	Net weight/Gross weight	3500/4000 kg
水箱容积	Tank capacity	210 L

可选附件 Optional accessories:



- 台湾进口第四轴 (回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- OPS-30 红外通讯测头系统
- Optical Probe System



- 对刀仪
- Tool-setting gauge



- 排屑器
- Chip conveyor

High speed multi-functional machine center

高速多功能加工中心 F 120X CNC

NEW



主轴最高转速 16000 rpm
High speed spindle 16000 rpm

16把斗笠式刀库
16 pcs Tool changer



优质、高效、高性价比

- 高强度树脂砂铸件，床身稳定可靠
- 欧盟级安全标准
- 进口线轨、滚珠丝杆、精密螺母，高精度主轴轴承
- 16把伞型刀库
- 配西门子828D系统及全套西门子驱动电机，实现高精度、高性能
- 机床配自动润滑系统、自动排屑机构等
- 高速主轴、高速进给，提高加工效率
- 机床选配功能丰富，可满足不同客户的要求

Convincing arguments: quality, efficiency and price

- Strong resin sand casting with lathe bed more stable and reliable
- Conform to European Safety Standards
- Imported linear-guide, ball-screw, precision-nut and high-precision spindle bearing
- 16 pcs of tool-changer
- Siemens 828D numerical control system and full-set of Siemens driver-motor which can realize high-precision and high-performance
- Automatic lubricating system and automatic chip conveyor etc
- High-speed spindle, high-speed feed which can improve the machining efficiency
- For optional have rich function which can satisfy the requirement of various customers

机床技术参数 /Specification

型号	Model	F 120X
产品编号	Code No.	1112000
机床电器	Electric Supply	
总功率	Total connection	6 KW
主电机功率	Driving motor	11 KW
冷却泵功率	Coolant pump	370 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	11/11/16 Nm
机床电压	Motor	400 V/50 HZ/3 PH
主轴	Spindle	
主轴锥度	Spindle taper	BT30
主轴转速	Spindle speed	16000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	425 mm
刀库	Magazine	
刀库容量	Capacity	16PCS
刀具最大尺寸	Tool diameter (Max)	100 mm(相邻) 140 mm(间隔)
最大刀具重量	Tool weight (Max)	3 kg
换刀时间	Time-tool changing	0.4 S
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	650x400 mm
主轴端到工作台面距离	Distance spindle-table	130-410 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	14 mm/125 mm/3
最大承载重量	Load(Max)	250 kg
行程	Travel	
X轴	X axis	520 mm
Y轴	Y axis	400 mm
Z轴	Z axis	280 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	40 m/min
精度	Accuracy	
定位精度	Positioning accuracy	± 0.01 mm
重复定位精度	Repeat positioning accuracy	± 0.006 mm
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	1990x1961x2135 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	2017x2030x2222 mm
净重/毛重	Net weight/Gross weight	3800/4100 kg
水箱容积	Tank capacity	180 L

可选附件 Optional accessories:



- 主轴中心出水
- Water out from spindle center



- 台湾进口第四轴 (回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- OPS-30 红外通讯测头系统
- Optical Probe System



- 对刀仪
- Tool-setting gauge



- 排屑器
- Chip conveyor

CNC MACHINE CENTER

立式加工中心 F 120X PRO CNC

NEW



优质、高效、高性价比

- 西门子 828D PPU290 大触摸屏
- 安全集成
- 动平衡后的 16000rpm 主轴
- 西门子大功率 12KW 主轴
- 40m/min 进给速度

Convincing arguments: quality, efficiency and price

- Siemens 828D PPU290 system with big touch screen
- Safety integration
- 16000rpm spindle after balance
- Big-power 12KW spindle from Siemens
- Feed speed of 40m/min

机床技术参数 /Specification

型号	Model	F 120X Pro
产品编号	Code No.	1112100
机床电器	Electric Supply	
总功率	Total connection	22 KW
主电机功率	Driving motor	12 KW
冷却泵功率	Coolant pump	370 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	11/11/16Nm
机床电压	Motor	400 V/50 HZ/3 PH
主轴	Spindle	
主轴锥度	Spindle taper	BT30
主轴转速	Spindle speed	16000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	425 mm
刀库	Magazine	
刀库容量	Capacity	16PCS
刀具最大尺寸	Tool diameter (Max)	100 mm(相邻) 140 mm(间隔)
最大刀具重量	Tool weight (Max)	3 kg
换刀时间	Time-tool changing	0.4 S
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	650x400 mm
主轴端到工作台面距离	Distance spindle-table	150-450 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	14 mm/125 mm/3
最大承载重量	Load(Max)	250 kg
行程	Travel	
X轴	X axis	500 mm
Y轴	Y axis	400 mm
Z轴	Z axis	300 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	40 m/min
精度	Accuracy	
定位精度	Positioning accuracy	± 0.01 mm
重复定位精度	Repeat positioning accuracy	± 0.006 mm
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	1990x1961x2135 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	2500x2235x2450 mm
净重/毛重	Net weight/Gross weight	3800/4100 kg
水箱容积	Tank capacity	180 L

可选附件 Optional accessories:



- 主轴中心出水
- Water out from spindle center



- 台湾进口第四轴 (回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- OPS-30 红外通讯测头系统
- Optical Probe System



- 对刀仪
- Tool-setting gauge



- 排屑器
- Chip conveyor

CNC MACHINE CENTER

立式加工中心 F210/F300 CNC



F 210



F 300

优质、高效、高性价比

- 三轴直线导轨
- 三轴滚珠丝杆
- 机床自动润滑
- 内置工作灯 / 冷却装置

Convincing arguments: quality, efficiency and price

- Linear guiding in all three axis
- Ball screw in all three axis
- Automatical lubricating system
- Built-in working lamp/coolant system

可选附件 Optional accessories:



- 主轴中心出水
- 压力 20 帕
- 过滤精度为25μm



- Water out from spindle center
- Press 20 Bars
- Filtering precision is 25μm

型号	Model	F210	F300
产品编号	Code No.	1121000	1130000
机床电器	Electric Supply		
总功率	Total connection	18 KW	21 KW
主电机功率	Driving motor	9 KW	9 KW
冷却泵功率	Coolant pump	370 W	370 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	11/11/11 Nm	16/16/16 Nm
主轴	Spindle		
主轴锥度	Spindle taper	BT40	BT40
主轴转速	Spindle speed	10-8000 rpm	10-8000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	575 mm	570 mm
最大面铣直径	Face milling dimension (Max)	Ø85 mm	Ø85 mm
最大立铣直径	End milling dimension (Max)	Ø42 mm	Ø42 mm
刀库	Magazine		
刀库容量	Capacity	24 tools	24 tools
最大刀具尺寸(满刀/邻空刀)	Tool diameter (Max)	Ø 78 mm(with adjacent tool) Ø120 mm	Ø 78 mm(with adjacent tool) Ø120 mm
最大刀具重量	Tool weight (Max)	8 kg	8 kg
换刀时间	Time-tool changing	2.5 Seconds	2.5 Seconds
工作台	Table		
工作台尺寸 (长×宽)	Table length×width	1050×500 mm	1000×500 mm
主轴端到工作台面距离	Distance spindle-table	110-690 mm	120-720 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	18 mm/90 mm/5	18 mm/84 mm/5
最大承载重量	Load(Max)	450 kg	800 kg
行程	Travel		
X轴	X axis	850 mm	900 mm
Y轴	Y axis	500 mm	550 mm
Z轴	Z axis	580 mm	600 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	30 m/min	24 m/min
精度	Accuracy		
定位精度	Positioning accuracy	±0.01 mm	±0.01 mm
重复定位精度	Repeat positioning accuracy	±0.005 mm	±0.005 mm
尺寸	Dimensions		
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	2454×2120×2641 mm	2850×2450×2645 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	2850×2250×2525 mm	3150×2600×2850 mm
净重/毛重	Net weight/Gross weight	4235/5000 kg	5200/6000 kg
水箱容积	Tank capacity	250 L	250 L

可选附件 Optional accessories:



- 台湾进口第四轴 (回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- OPS-30 红外通讯测头系统
- Optical Probe System



- 对刀仪
- Tool-setting gauge



- 排屑器
- Chip conveyor

F 310 HSC

Power, speed, precision and a long service life

SIEMENS CONTROL 828D


- Siemens Sinumerik control 828D with 15.6 inch touch display
- Profile rail with recirculating rollers on all axes for high load bearing capacity
- Tool changer, double arm grab with 30 tool slots
- Precision ground, pre-stressed, high-performance ball screws (Ø 40 mm x P16 x C3) on all axes
- Main spindle SK40 up to 10 000 rpm with belt drive
- Also available with KESSLER built-in high-frequency spindles (MADE IN GERMANY) at 24 000 rpm
- Torsion free machine base thanks to strong ribbing
- High-torque servo drives mounted directly on the ball screws on all three axes
- Chip conveyor, belt type ensures efficient chip discharge
- Chip carriage
- Machine lamp in the workspace
- Coolant unit with 520 litre coolant tank and chip flushing system
- Cleaning gun
- Portable, electronic handwheel
- RJ45 plug-in connection, USB connection and 230 V power connection
- Telescopic guide rail covers on all three axes
- Closed switch cabinet with integrated heat exchanger; ensures optimal temperature even in case of high ambient temperatures; prevents dirt particle penetration
- Oil separator
- Including two years SIEMENS warranty
- Information on „Warranty extension“ on page 45
- Information on „Maintenance contracts“ from page 175



PREMIUM



TECHNICAL DATA

Model	F 310HSC 		
Article no.	3511232		
	Belt drive	Inline spindle	Kessler built-in spindle
Spindle option	-	3511290005**	3511290014**
Machine data			
Electrical connection	400 V / 3 Ph ~50 Hz		
Total connected load	40 kVA	56 kVA	48 kVA
Milling spindle			
Drive motor S1 operation	11 kW	20 kW	25 kW
Drive motor torque S1	70 Nm	96 Nm	32 Nm
Drive motor S6 30% operation	31.4 kW	50.3 kW	35 kW
Torque drive motor S6 30% operation	200 Nm	240 Nm	39 Nm
Spindle seat	SK 40 DIN 69871		HSK A-63 DIN 69893
Cooling lubricant system			
Motor - coolant pumps, 3 pcs.	2 pumps 930 W and 1 pump 850 W		
Tank capacity	520 litres		
End mill size			
Max. sensor head size	Ø 63 mm		
Max. shaft milling cutter size	Ø 32 mm		
Milling precision			
Repetition accuracy	± 0.005 mm		
Positioning accuracy	± 0.005 mm		
Tool changer			
Type	Double arm grab		
Number of tool slots	30 tools		
Max. tool diameter	Ø 80 mm		
Max. tool diameter (adjacent slots not occupied)	Ø 125 mm		
Tool length	300 mm		
Max. tool weight	8 kg		
Tool change time tool to tool	2 seconds		
Travel			
X axis	1 050 mm		
Y axis	600 mm		
Z axis	600 mm		
Axis feed drive			
Rapid motion X, Y, Z axis	30 000 mm/min.		
Motor torque			
X axis	18 Nm		
Y axis	18 Nm		
Z axis	27 Nm		
Speed range			
Speeds*	10 000 rpm	12 000 rpm	24 000 rpm
Pneumatics			
Compressed air	6 bar		
Milling table			
Clearance spindle to table	100 - 750 mm		
Table length x width	1 200 x 600 mm		
T-Slot size / distance / no	18 mm / 6 / 100 mm		
Max. load bearing capacity	800 kg		
Dimensions			
Length (with chip conveyor) x width x height	3 060 (4 319 mm) x 2 286 x 2 928 mm		
Overall weight	7 000 kg		

Sinumerik 828D system software	SW 28x
CNC memory	8 MB
Set change time	1 ms
Look Ahead	150
Number of tools	512

* Please note that the maximum spindle speed must be reduced by approx. 20 % in continuous operation

** Must be ordered with the basic machine. Cannot be retrofitted

SINUMERIK 828D

The power house in the compact CNC control class

The device of choice for any machining technology

- Even at the highest machining speeds, the smart Advanced Surface (Standard) motion guidance and Top Surface (optional article no. 3584012) ensure optimal workpiece surfaces.
- Transfer CAD data to programming with ease at the CNC thanks to DXF Reader (optional article no. 3584014)
- 3D simulation on the PC ensures better control over and optimisation of the production process

INCLUDING

- Safety Integrated
- Residual material detection and machining
- ShopMill work step programming
- Managing network drives
- 3-D simulation
- Logging
- System software SW 28x

Control with control panel featuring PPU 290

- 15.6" colour display
- 16:9 format
- Capacitive display with Multi-Touch controller
- Intuitive Multi-Touch control
- Soft key selection via touch function
- Proximity sensor/clearance sensor for smart display control
- Front panel made of die-cast magnesium with scratchproof glass front
- No battery (permanent intermediate data storage thanks to NV-RAM technology)
- No fan
- No hard disk
- Can be operated while wearing gloves
- Front interfaces: USB 2.0, RJ45 Ethernet, IP65 also with protective flap open

Warranty extension

The warranty extension lets you protect your new machine against warranty damage for a further 12, 24 or 36 months after the two-year SIEMENS warranty expires. (can only be ordered within the two-year SIEMENS warranty)

12 months - Article no. 3589020

24 months - Article no. 3589021

36 months - Article no. 3589022



Siemens

SAFETY INTEGRATED

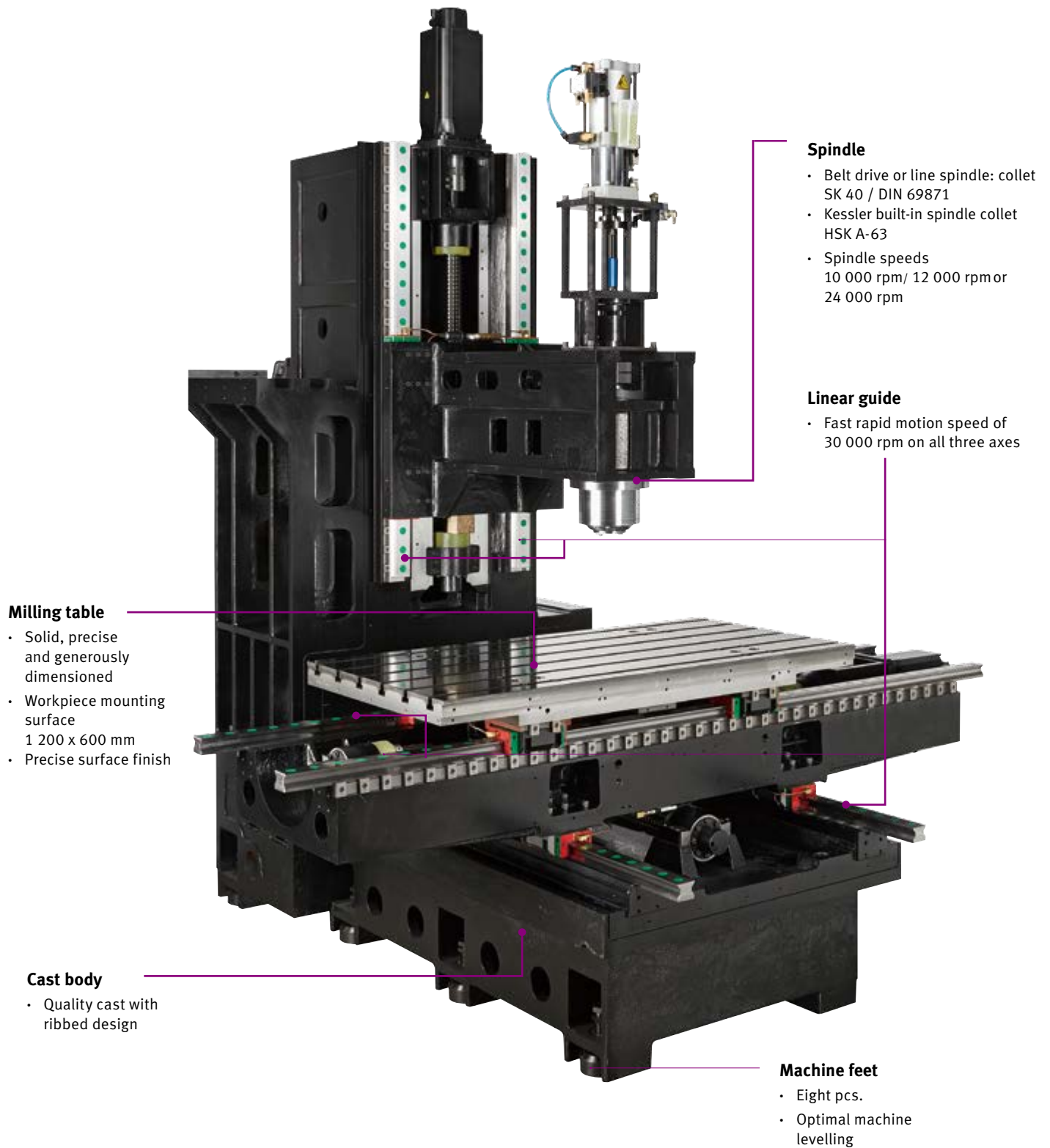
Set up work with open doors

Functional safety also provides protection against high costs!

- Avoiding the direct consequential cost of injury to persons
- Avoiding the indirect consequential cost of injuries
- Improved productivity thanks to increased machine availability: less unplanned downtime and more trouble-free production
- Longer period of use for system
- Improvement in global competitiveness thanks to boosting the export capability of machines

OPTIMUM - OPTImill F 310HSC

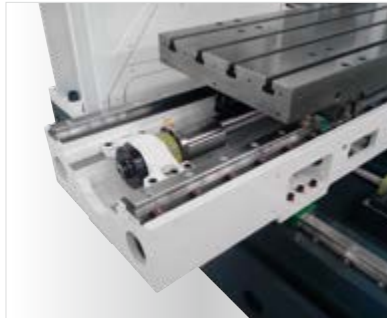
Special equipment





HEAT EXCHANGER

- ▶ Closed switch cabinet with smart cooling management
- ▶ Optimal temperature even in case of high ambient temperatures



BALL SCREWS

- ▶ Accuracy class C3
- ▶ For high precision and repetition accuracy
- ▶ Directly coupled servo ball screw drive



OIL SEPARATOR / OIL SKIMMER

- ▶ Separation of non emulsified foreign oils by skimming
- ▶ Separation of solids by settling in the collection tank
(Fig. without collection tank)



TOOL CHANGER SYSTEM

- ▶ Double arm grab with 30 tool slots
- ▶ Max. tool length 300 mm
- ▶ Tool-to-tool change in 2 seconds



CHIP FLUSHING SYSTEM

- ▶ Powerful chip flushing system for cleaning the workspace and workpiece



LINEAR GUIDE

- ▶ Profile rails with recirculating roller



CHIP CONVEYOR

- ▶ Conveyor version
- ▶ For efficient chip discharge



COOLING LUBRICANT SYSTEM

- ▶ Three coolant pumps of 930 Watt each and one coolant pump of 850 Watt
- ▶ Tank capacity 520 litres



CENTRAL LUBRICATION SYSTEM

- ▶ Prevents wear, repair costs and unnecessary downtime to a major extent

F 410 HSC

Top quality and an excellent price-performance ration; an investment that keeps its value


SIEMENS CONTROL 828D

- Siemens Sinumerik control 828D with 15.6 inch touch display
- Heavy duty version
- High productivity
- Profile rail with recirculating rollers on all axes for high load bearing capacity
- Tool changer, double arm grab with 30 tool slots
- Precision ground, pre-stressed, high-performance ball screws (Ø 40 mm x P16 x C3) on all axes
- Also available with KESSLER built-in high-frequency spindles (MADE IN GERMANY) at 24 000 rpm
- Torsion free machine base thanks to strong ribbing
- High-torque servo drives on all three axes, mounted directly on the ball screws
- Machine lamp in the workspace
- Precision ground router table with seven T-slots
- Chip conveyor, belt type ensures efficient chip discharge
- Coolant unit with 860 litre coolant tank and chip flushing system
- Cleaning gun
- Portable, electronic handwheel
- RJ45 plug-in connection, USB connection and power connection 230 V
- Telescopic guide rail covers on all three axes
- Closed switch cabinet with integrated heat exchanger; ensures optimal temperature even in case of high ambient temperatures; prevents dirt particle penetration
- Oil separator
- Including two years SIEMENS warranty
- Information on „Warranty extension“ on page 37
- Information on „Maintenance contracts“ from page 175

PREMIUM



TECHNICAL DATA

		F 410HSC 		
Article no.	3511242			
	Belt drive	Inline spindle	Kessler built-in spindle	
Spindle option	-	3511290005**	3511290014**	
Machine data				
Electrical connection	400 V / 3 Ph ~ 50 Hz			
Total connected load	40 kVA	56 kVA	48 kVA	
Milling spindle				
Drive motor S1 operation	11 kW	20 kW	25 kW	
Drive motor torque S1	70 Nm	96 Nm	32 Nm	
Drive motor S6 30% operation	31.4 kW	50.3 kW	35 kW	
Torque drive motor S6 30% operation	200 Nm	240 Nm	39 Nm	
Spindle seat	SK 40 DIN 69871		HSK A-63 DIN 69893	
Cooling lubricant system				
Motor - coolant pumps, 3 pcs.	850 Watt each			
Tank capacity	860 litres			
End mill size				
Max. sensor head size	Ø 63 mm			
Max. shaft milling cutter size	Ø 32 mm			
Milling precision				
Repetition accuracy	± 0.005 mm			
Positioning accuracy	± 0.005 mm			
Tool changer				
Type	Double arm grab			
Number of tool slots	30 tools			
Max. tool diameter	Ø 80 mm			
Max. tool diameter (adjacent slots not occupied)	Ø 125 mm			
Tool length	300 mm			
Max. tool weight	8 kg			
Tool change time tool to tool	2 seconds			
Travel				
X axis	1 200 mm			
Y axis	730 mm			
Z axis	650 mm			
Axis feed drive				
Rapid motion X, Y, Z axis	30 000 mm/min.			
Motor torque				
X axis	18 Nm			
Y axis	27 Nm			
Z axis	36 Nm			
Speed range				
Speeds*	10 000 rpm	12 000 rpm	24 000 rpm	
Pneumatics				
Compressed air	6 bar			
Milling table				
Clearance spindle to table	100 - 750 mm			
Table length x width	1 400 x 710 mm			
T-Slot size/distance/no	18 mm / 7 / 100 mm			
Max. load bearing capacity	1 000 kg			
Dimensions				
Length (with chip conveyor) x width x height	3 600 (4 731 mm) x 2 322 x 3 024 mm			
Overall weight	8 800 kg			

Sinumerik 828D system software	SW 28x
CNC memory	8 MB
Set change time	1 ms
Look Ahead	150
Number of tools	512

* Please note that the maximum spindle speed must be reduced by approx. 20 % in continuous operation

** Must be ordered with the basic machine. Cannot be retrofitted

SINUMERIK 828D

The power house in the compact CNC control class

The device of choice for any machining technology

- Even at the highest machining speeds, the smart Advanced Surface (Standard) motion guidance and Top Surface (optional article no. 3584012) ensure optimal workpiece surfaces.
- Transfer CAD data to programming with ease at the CNC thanks to DXF Reader (optional article no. 3584014)
- 3D simulation on the PC ensures better control over and optimisation of the production process

INCLUDING

- Safety Integrated
- Residual material detection and machining
- ShopMill work step programming
- Managing network drives
- 3-D simulation
- Logging
- System software SW 28x

Control with control panel featuring PPU 290

- 15.6" colour display
- 16:9 format
- Capacitive display with Multi-Touch controller
- Intuitive Multi-Touch control
- Soft key selection via touch function
- Proximity sensor/clearance sensor for smart display control
- Front panel made of die-cast magnesium with scratchproof glass front
- No battery (permanent intermediate data storage thanks to NV-RAM technology)
- No fan
- No hard disk
- Can be operated while wearing gloves
- Front interfaces: USB 2.0, RJ45 Ethernet, IP65 also with protective flap open

Warranty extension

The warranty extension lets you protect your new machine against warranty damage for a further 12, 24 or 36 months after the two-year SIEMENS warranty expires. (can only be ordered within the two-year SIEMENS warranty)

12 months - Article no. 3589020

24 months - Article no. 3589021

36 months - Article no. 3589022



Siemens

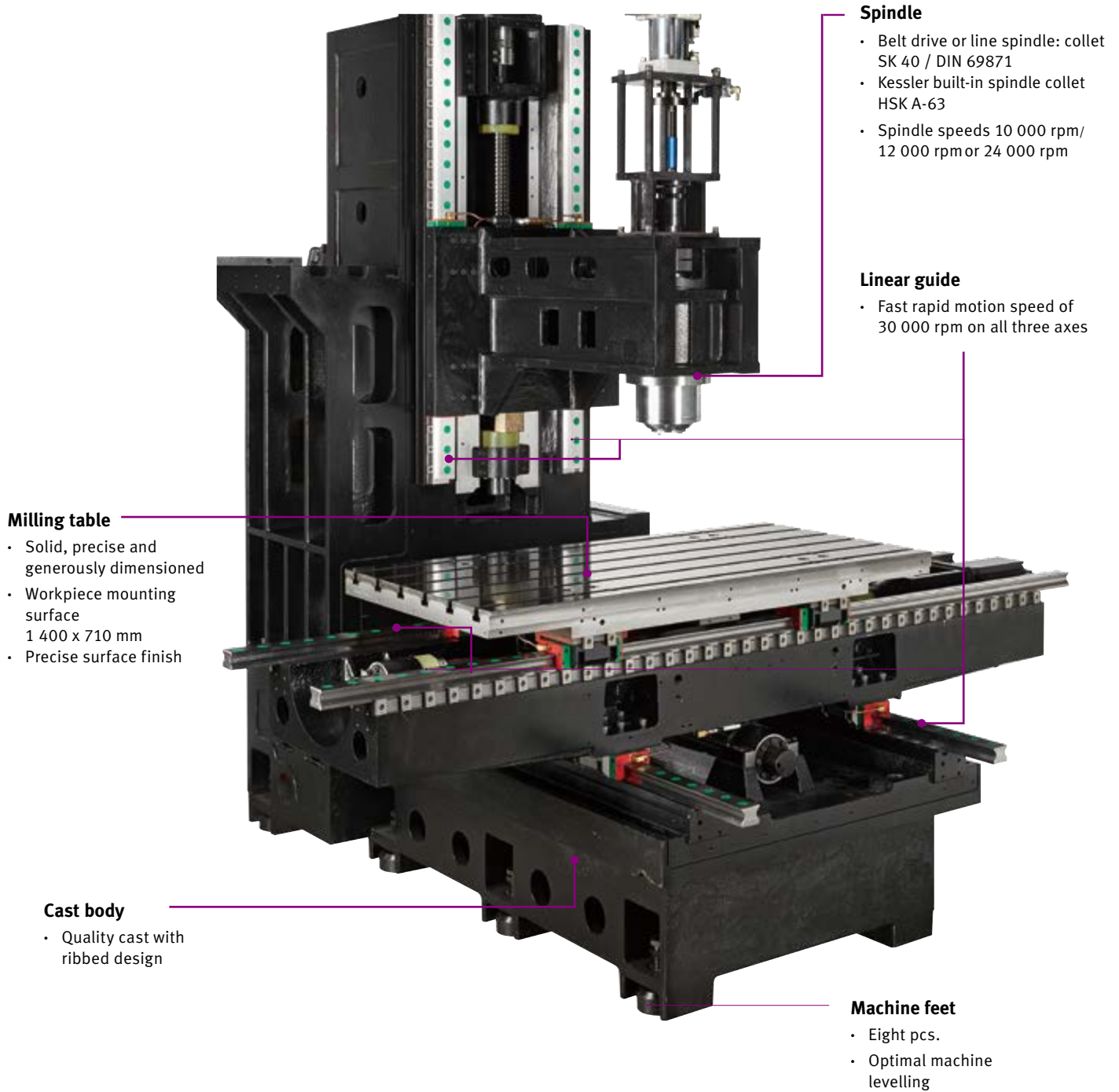
SAFETY INTEGRATED

Set up work with open doors

Functional safety also provides protection against high costs!

- Avoiding the direct consequential cost of injury to persons
- Avoiding the indirect consequential cost of injuries
- Improved productivity thanks to increased machine availability: less unplanned downtime and more trouble-free production
- Longer period of use for system
- Improvement in global competitiveness thanks to boosting the export capability of machines

OPTIMUM - OPTImill F 410HSC



Spindle

- Belt drive or line spindle: collet SK 40 / DIN 69871
- Kessler built-in spindle collet HSK A-63
- Spindle speeds 10 000 rpm/ 12 000 rpm or 24 000 rpm

Linear guide

- Fast rapid motion speed of 30 000 rpm on all three axes

Milling table

- Solid, precise and generously dimensioned
- Workpiece mounting surface 1 400 x 710 mm
- Precise surface finish

Cast body

- Quality cast with ribbed design

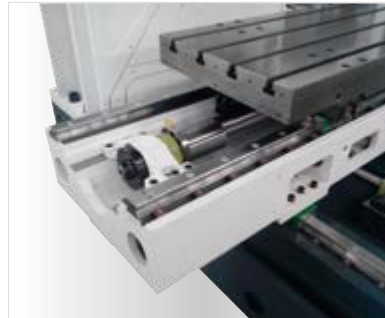
Machine feet

- Eight pcs.
- Optimal machine levelling



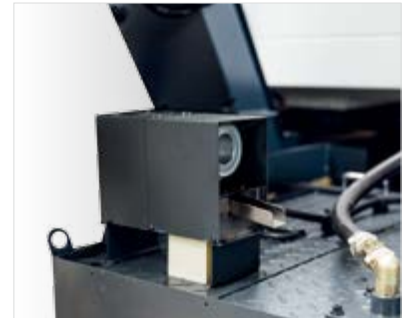
HEAT EXCHANGER

- ▶ Closed switch cabinet with smart cooling management
- ▶ Optimal temperature even in case of high ambient temperatures



BALL SCREWS

- ▶ Accuracy class C3
- ▶ For high precision and repetition accuracy
- ▶ Directly coupled servo ball screw drive



OIL SEPARATOR / OIL SKIMMER

- ▶ Separation of non emulsified foreign oils by skimming
- ▶ Separation of solids by settling in the collection tank (Fig. without collection tank)



TOOL CHANGER SYSTEM

- ▶ Double arm grab with 30 tool slots
- ▶ Max. tool length 300 mm
- ▶ Tool-to-tool change in 2 seconds



CHIP FLUSHING SYSTEM

- ▶ Powerful chip flushing system for cleaning the workspace and workpiece



LINEAR GUIDE

- ▶ Profile rails with recirculating roller



CHIP CONVEYOR

- ▶ Conveyor version
- ▶ For efficient chip discharge



COOLING LUBRICANT SYSTEM

- ▶ Three coolant pumps with 850 Watt each
- ▶ Tank capacity 860 litres



CENTRAL LUBRICATION SYSTEM

- ▶ Prevents wear, repair costs and unnecessary downtime to a major extent

FU 3

3 + 2 axes machining centre for high-performance complete machining

SIEMENS CONTROL 828D

- Siemens Sinumerik control 828D with 15.6 inch touch display
- Heavy duty version
- High productivity
- Tool changer, double arm grab with 24 tool slots
- Direct spindles (inline spindles)
- Also available with KESSLER built-in high-frequency spindles (MADE IN GERMANY) at 24 000 rpm
- Closed switch cabinet with integrated heat exchanger; ensures optimal temperature even in case of high ambient temperatures; prevents dirt particle penetration
- Automatic centralised lubrication
- Machine lamp in the workspace
- Chip conveyor, belt type ensures efficient chip discharge
- Chip carriage
- High-performance oil cooler for spindle cooling and ball screw spindle
- CTS 20 bar internal (we recommend an extractor)
- Coolant gun
- Portable, electronic handwheel
- Ethernet
- EMC Electromagnetic compatibility and safety module by Siemens
- RJ45 plug-in connection, USB connection and power connection 230 V
- Including two years SIEMENS warranty
- Information on „Warranty extension“ on page 29
- Information on „Maintenance contracts“ from page 175



Fig. FU 3 with optional accessories

TECHNICAL DATA

Model	FU 3	
Article no.	3511370	Kessler built-in spindle 351137006**
Machine data		
Electrical connection	400 V / 3 Ph ~ 50 Hz	
Total connected load	31 kVA	47 kVA
Milling spindle		
Drive motor S1 operation	15 kW	25 kW
Torque drive motor S1 operation	20 Nm	32 Nm
Drive motor S6 30% operation	22.5 kW	35 kW
Torque drive motor S6 30% operation	62 Nm	39 Nm
Spindle seat	SK 40 DIN 69871	HSK A-63 DIN 69893
Spindle centre to Z axis cover	595 mm	
Clearance spindle to table	100 - 500 mm	
Cooling lubricant system		
Tank capacity cooling lubricant tank	250 litres	
Milling precision		
Repetition accuracy	± 0.005 mm / 300 mm	
Positioning accuracy	± 0.005 mm	
Tool changer		
Type	Double arm grab	
Number of tool slots	24 slots	
Max. tool diameter	80 mm	
Max. tool diameter (adjacent slots free)	130 mm	
Tool length	245 mm	
Max. tool weight	8 kg	
Tool change time tool to tool	2 seconds	
Travel		
X axis	400 mm	
Y axis	560 mm	
Z axis	400 mm	
Axis feed drive		
Speed swivel axis A	max. 25 rpm	
Speed rotation axis C	max. 25 rpm	
Acceleration X, Y, Z axis	6 m/s ²	
Rapid motion X, Y, Z axis	48 000 mm/min.	
Speed range		
Speeds*	15 000 rpm	24 000 rpm
Pneumatics		
Compressed air	6 bar	
Inclining and rotating table		
Table diameter	320 mm	
Table height	1 160 mm	
Indexing A axis	60 seconds	
Indexing C axis	20 seconds	
Swivel range A axis	± 120° / -30°	
Rotation range C axis	360°	
T-Slot size/distance/no	12 mm	
Max. load bearing capacity	100 kg	
Dimensions		
Length x width x height	2 254 x 2 990 x 2 960 mm	
Length x width x height with chip conveyor	3 110 x 2 990 x 2 960 mm	
Overall weight	5 000 kg	

Sinumerik 828D system software	SW 28x
CNC memory	8 MB
Set change time	1 ms
Look Ahead	150
Number of tools	512

* Please note that the maximum spindle speed must be reduced by approx. 20 % in continuous operation

** Must be ordered with the basic machine. Cannot be retrofitted

SINUMERIK 828D

The power house in the compact CNC control class

The device of choice for any machining technology

- Even at the highest machining speeds, the smart Advanced Surface (Standard) motion guidance and Top Surface (optional article no. 3584012) ensure optimal workpiece surfaces.
- Transfer CAD data to programming with ease at the CNC thanks to DXF Reader (optional article no. 3584014)
- 3D simulation on the PC ensures better control over and optimisation of the production process

INCLUDING

- Safety Integrated
- Residual material detection and machining
- ShopMill work step programming
- Managing network drives
- 3-D simulation
- Logging
- PPU 290 with SW 28x system software

Control with control panel featuring PPU 290

- 15.6" colour display
- 16:9 format
- Capacitive display with Multi-Touch controller
- Intuitive Multi-Touch control
- Soft key selection via touch function
- Proximity sensor/clearance sensor for smart display control
- Front panel made of die-cast magnesium with scratchproof glass front
- No battery (permanent intermediate data storage thanks to NV-RAM technology)
- No fan
- No hard disk
- Can be operated while wearing gloves
- Front interfaces: USB 2.0, RJ45 Ethernet, IP65 also with protective flap open

Warranty extension

The warranty extension lets you protect your new machine against warranty damage for a further 12, 24 or 36 months after the two-year SIEMENS warranty expires. (can only be ordered within the two-year SIEMENS warranty)

12 months - Article no. 3589020

24 months - Article no. 3589021

36 months - Article no. 3589022



Siemens

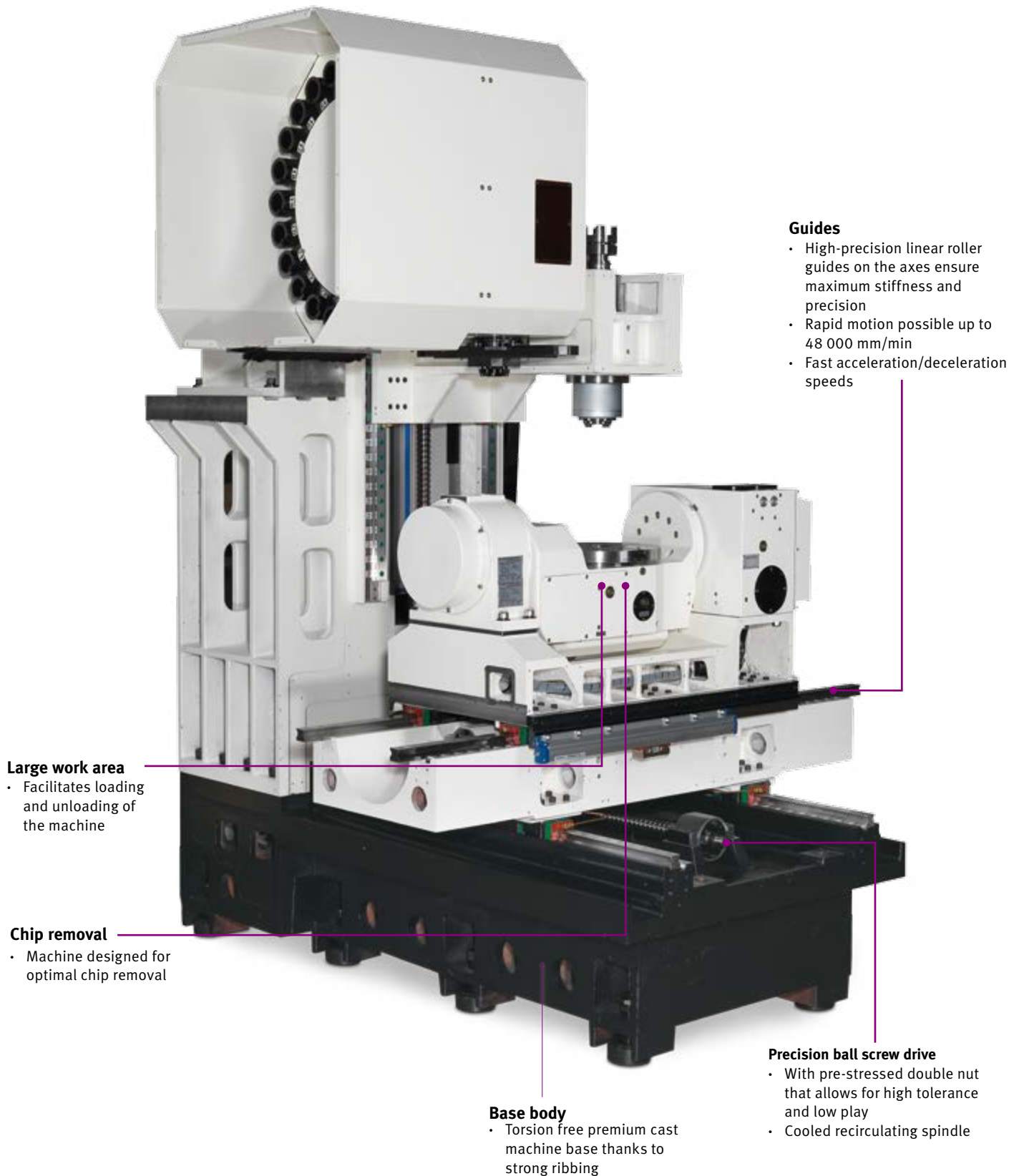
SAFETY INTEGRATED

Set up work with open doors

Functional safety also provides protection against high costs!

- Avoiding the direct consequential cost of injury to persons
- Avoiding the indirect consequential cost of injuries
- Improved productivity thanks to increased machine availability: less unplanned downtime and more trouble-free production
- Longer period of use for system
- Improvement in global competitiveness thanks to boosting the export capability of machines

OPTIMUM - OPTImill FU 3





SPINDLE

- Optionally
- ▶ Direct spindles (inline spindles) 15 000 rpm
 - ▶ High-frequency spindles (built-in spindles) 24 000 rpm



HANDWHEEL

- ▶ Portable; electronic
- ▶ Substantially facilitates running in of programs
- ▶ Emergency stop button
- ▶ Confirm button



TOOL CHANGER

- ▶ Double arm grab
- ▶ Drum magazine
- ▶ 24 tool slots
- ▶ Tool exchange time tool to tool: 2 seconds



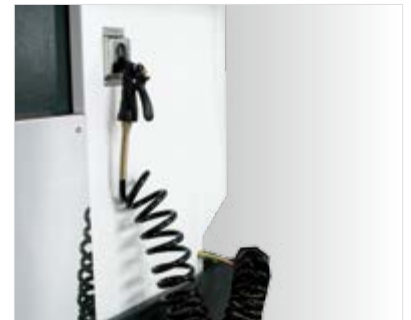
LARGE WORK AREA

- ▶ For amazing versatility of machine applications
- ▶ Clearance spindle to table 100 - 500 mm



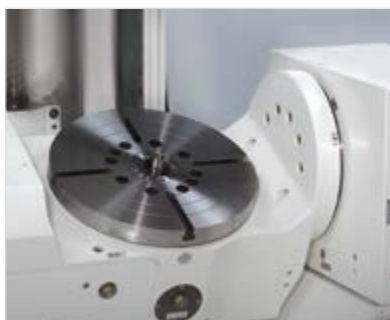
OIL SEPARATOR / OIL SKIMMER

- ▶ Separation of non emulsified foreign oils by skimming
- ▶ Separation of solids by settling in the collection tank



CLEANING GUN

- ▶ Easy cleaning of the workspace



INCLINING AND ROTATING TABLE

- ▶ Load-bearing capacity of up to 100 kg
- ▶ Diameter 320 mm



CHIP CONVEYOR

- ▶ Conveyor version
- ▶ For efficient chip discharge





CENTRAL LUBRICATION

- ▶ Prevents wear, repair costs and unnecessary downtime to a major extent


OPTIMUM - OPTImill FU 3

Special equipment

Tool measuring / workpiece measuring			
		Renishaw Tool/workpiece measuring	<ul style="list-style-type: none"> Information on „Renishaw“ on page 162
		Blum Tool/workpiece measuring	<ul style="list-style-type: none"> Information on „Blum“ on page 160

Miscellaneous								
3536109	1	Starter set SK 40 / DIN 69871	<ul style="list-style-type: none"> Information on the starter set „SK 40 / DIN 69871“ on page 145 					
351137001*	2	Coolant through spindle (CTS)	Power unit	Tank capacity	Pressure	Outlet filter	Pre filter pump	We recommend an extraction unit
			extern	165 litres	20 bar	25 µm	40 µm	
351137002*			extern	165 litres	70 bar	25 µm	40 µm	
351137012*	3	Air conditioner	<ul style="list-style-type: none"> Instead of standard equipment > heat exchanger 					
351137015	4	Heidenhain glass scales on X/Y/Z axis	<ul style="list-style-type: none"> Greater precision 					

Software			
3584014	6	DXF Reader for SIEMENS SINUMERIK controls	<ul style="list-style-type: none"> from version 4.7 For importing DXF files Hiding graphics layers Automatic contour tracking Arbitrary workpiece zero point per contour/drilling point Multiple contours/drilling points can be selected at the same time Generate and convert contours or drilling points for ShopMill Displays the created contours/drilling points in the geometry processor/ cycle support
3584012	7	Top surface for SIEMENS SINUMERIK control	<ul style="list-style-type: none"> The NC data from the CAM system are optimised online during processing The result is excellent surface quality while milling complex free-form surfaces. This is particularly beneficial for geometrically complex mould parts in automobile or aerospace applications or in power generation All new functions are system integrated and available with Sinumerik Operate

Hardware			
 351137016	8	SINUMERIK 840D SL with OP 015	<ul style="list-style-type: none"> NCU720.3 Collision avoidance Premium operating convenience: capacitive multitouch technology High resolution of 1366 x 768 pixels in wide-screen format for convenient operation and monitoring Rugged: No wear of mechanical components thanks to multitouch technology Scratch-proof glass front Modern, intelligent design Can be operated while wearing gloves



1

STARTER SET SK 40 / DIN 69871

- ▶ Milling head holder with 27 mm collet
- ▶ Chuck 1 - 13 mm
- ▶ Pull stud
- ▶ 2 each Weldon 6 mm and 20 mm
- ▶ 1 each Weldon 8 mm, 10 mm, 12 mm and 16 mm
- ▶ Adapter SK 40 to MT 3
- ▶ Spring collet holder ER 32
- ▶ Spring collet key ER 32
- ▶ Spring collet set ER 32
- ▶ Assembly and tool adjustment gauge
- ▶ Height-adjuster
- ▶ Taper squeegee



2

COOLANT THROUGH SPINDLE

- ▶ Guarantees optimal service life
- ▶ Optionally with internal or external unit



3

AIR CONDITIONER

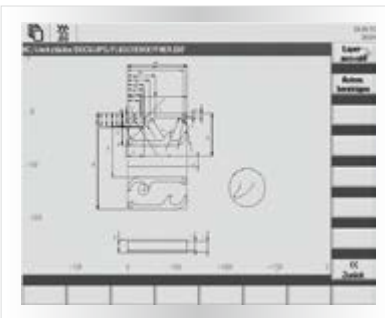
- ▶ Instead of heat exchanger



4

GLASS SCALES

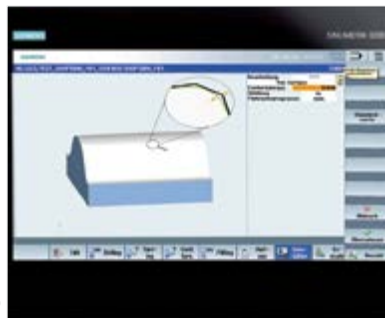
- ▶ X, Y and Z axis
- ▶ Greater precision



6

DXF READER

- ▶ DXF data can be converted to NC programs for drilling patterns and contours



7

TOP SURFACE

- ▶ Excellent surface quality and form precision
- ▶ Fast and precise machining thanks to new technology
- ▶ Complete machining fully integrated with Sinumerik Operate



8

SINUMERIK 840D SL WITH OP 015

- ▶ New generation control panel with new machine control options.
- ▶ State-of-the-art multitouch interface for even more user-friendly operation, monitoring and programming

FU 5

5 axis simultaneous machining centre for high-performance complete machining

SIEMENS CONTROL 840D SL

- Heavy duty version
- High productivity
- Double arm grab tool changer with 32 tool slots included in standard scope of delivery (optionally available with 48 or 60 tool slots)
- Heidenhain glass scales – additional measuring system ensures greater precision
- Chip carriage
- Precision linear guides
- High-torque servo drives on all five axes
- Fast rapid motion speed of 36 m/min.
- Telescopic guideway cover
- Precision ground, pre-stressed, high-performance ball screws
- Spindle borne on P5 precision bearings and permanently lubricated
- Coolant unit with chip flushing system and built-in coolant tank
- Cleaning gun
- CTS 20 bar internal tank (we recommend an extractor)
- Chip conveyor, belt type ensures efficient chip discharge
- Automatic centralised lubrication
- Portable, electronic handwheel
- RJ45 plug-in connection, USB connection and 230 V power connection
- Additional USB interface on control panel
- Water circulation cooling unit for rapid motion and ball screw spindle with ready-to-use coolant Prevents electrochemical corrosion and protects galvanised parts, aluminium, and ferrous and non-ferrous metals.
- Heat exchangers
- EMC Electromagnetic compatibility
- Two years' Siemens repair service contract included
- Information on „Extension Siemens repair service contracts (RSV)“ on page 20
- Information on „Maintenance contracts“ from page 175

2 variants available:

FU 5-600 HSC15

- Direct spindles (inline spindles) with direct connection to drive motor through a transmission mechanism.

FU 5-600 HSC18/24

- High-frequency (built-in) spindles running at 18 000 rpm spindle speed or Kessler (built-in spindle) at 24 000 rpm spindle speed
- With built-in drive motor that does not need a transmission mechanism and thus with low vibration and running noise levels even at high speeds.
- Includes anti-bacterial fluid in filter
- Includes coolant for the high-frequency spindle



Fig. FU 5 with optional
SCHUNK vice

TECHNICAL DATA

Models	FU 5-600 HSC 15	FU 5-600 HSC 18	FU 5-600 HSC 24
Article no.	3511382	3511384	3511386
Machine data			
Spindle	In-line spindle	High frequency spindle (Built-in spindle) by Kessler	
Electrical connection	400 V / 3 Ph ~50 Hz		
Total connected load	70 kVA	77 kVA	
Milling spindle			
Drive motor S1 operation	20 kW	25 kW	
Drive motor torque S1	96 Nm	32 Nm	
Drive motor S6 30% operation	50 kW	35 kW	
Torque drive motor S6 30% operation	240 Nm	39 Nm	
Spindle seat	SK 40 DIN 69871	HSK A-63 DIN 69893	
Milling precision			
Repetition accuracy	± 0.004 mm		
Positioning accuracy	± 0.008 mm		
Tool changer			
Type	Double arm grab		
Number of tool slots	32 slots		
Max. tool diameter	78 mm		
Max. tool diameter (adjacent slots free)	120 mm		
Tool length	300 mm		
Max. tool weight	7 kg		
Tool change time tool to tool	1.51 seconds		
Travel			
X axis	600 mm		
Y axis	600 mm		
Z axis	500 mm		
Axis feed drive			
Acceleration X, Y, Z axis	7 m/s ²		
Rapid motion X, Y, Z axis	36 000 mm/min.		
Speed range			
Speeds*	15 000 rpm	18 000 rpm	24 000 rpm
Pneumatics			
Compressed air	6 bar		
Cooling lubricant system			
Tank capacity cooling lubricant tank	380 litres		
Tank capacity of external CTS unit	165 litres		
Pump motor chip flushing/delivery rate	0.85 kW / 150 l/min		
Pump motor front/left chip flushing/delivery rate	1.08 kW / 150 l/min		
Pump motor cleaning gun/delivery rate	0.53 kW / 58 l/min		
Inclining and rotating table			
Table diameter	600 mm		
T-Slot size/distance/no	14 mm / 7 / 75 mm		
Max. load bearing capacity	600 kg		
Axis C			
Rotating axis	360°		
Hydraulic clamping torque	1 200 Nm (at 50 bar hydraulic operating pressure)		
Maximum rotational speed (worm gear)	max. 90 rpm		
Axis A			
Tilting axis	± 120°		
Hydraulic clamping torque of tilting axis	2 900 Nm (at 50 bar hydraulic operating pressure)		
Max. permissible torque (S1)	393 Nm		
Max. permissible torque (S6)	707 Nm		
Maximum tilting speed (torque motor)	max. 16.6 rpm		
Dimensions			
Length x width x height	3 015 x 4 440 x 3 000 mm		
Overall weight	9 150 kg		

Extension Siemens repair service contracts (RSV)

The Siemens Repair Service Contract (RSV) helps you protect your machine for a further 12, 24 or 36 months.

(can only be ordered within the two-year SIEMENS warranty)

12 months - Article no. 3589035

24 months - Article no. 3589036

36 months - Article no. 3589037

* Please note that the maximum spindle speed must be reduced by approx. 20 % in continuous operation

SINUMERIK 840D sl with OP 019 black Multitouch control panel

The right solution for any engineering challenge

- 18.5" diagonal industrial display
- Premium operating convenience: capacitive multitouch technology (up to 5 contact points at the same time)
- High resolution of 1 366 x 768 pixels in wide-screen format for convenient operation and monitoring
- Rugged: No wear of mechanical components thanks to multitouch technology
- Scratch-proof glass front
- Modern, intelligent design
- Can be operated while wearing gloves



Siemens
SAFETY INTEGRATED
Set up work with open doors

INCLUDING

- **Safety functions SINUMERIK Safety Integrated**
Avoiding the direct and indirect consequential cost of injuries
Improved productivity thanks to increased machine availability
less unplanned downtime and more trouble-free production
 - Longer period of use for system
 - Improvement in global competitiveness thanks to boosting the export capability of machines
- **Residual material detection and machining**
 - for contour niches and machining
 - After roughing, the program automatically detects and removes remaining residual material
- **ShopMill work step programming**
Control and programming software that supports convenient operation of the machine and easy programming of workpieces.
- **MDynamics 5-axis**
Perfect usability and fast adaptation to the workpiece, tool and program handling Optimal machining thanks to flexible programming and thus shortest possible programming times. This guarantees best-in-class technology know-how in all industries along with maximum

ease of use.

- **Managing network drives**
- **3-D simulation**

Complete 3D visualisation shows the entire machining process, including the machine space on the CNC display

- **Advanced surface**

For you as a user, this intelligent motion guidance means optimal surface quality and maximum machining speed at the same time

- **Spline interpolation**

Spline interpolation concatenates multiple curves whose transitions are tangential. The individual nodes are interpolated by means of splines; this means that the individual nodes are connected in a smooth, harmonious curve line.

- **Transmit and sleeve surface transformation**

- **Measuring cycles**

SINUMERIK measuring cycles support machines in the field of 5-axis machining with reproducible precision

- **Logging**

- **HMI user memory on CF card**

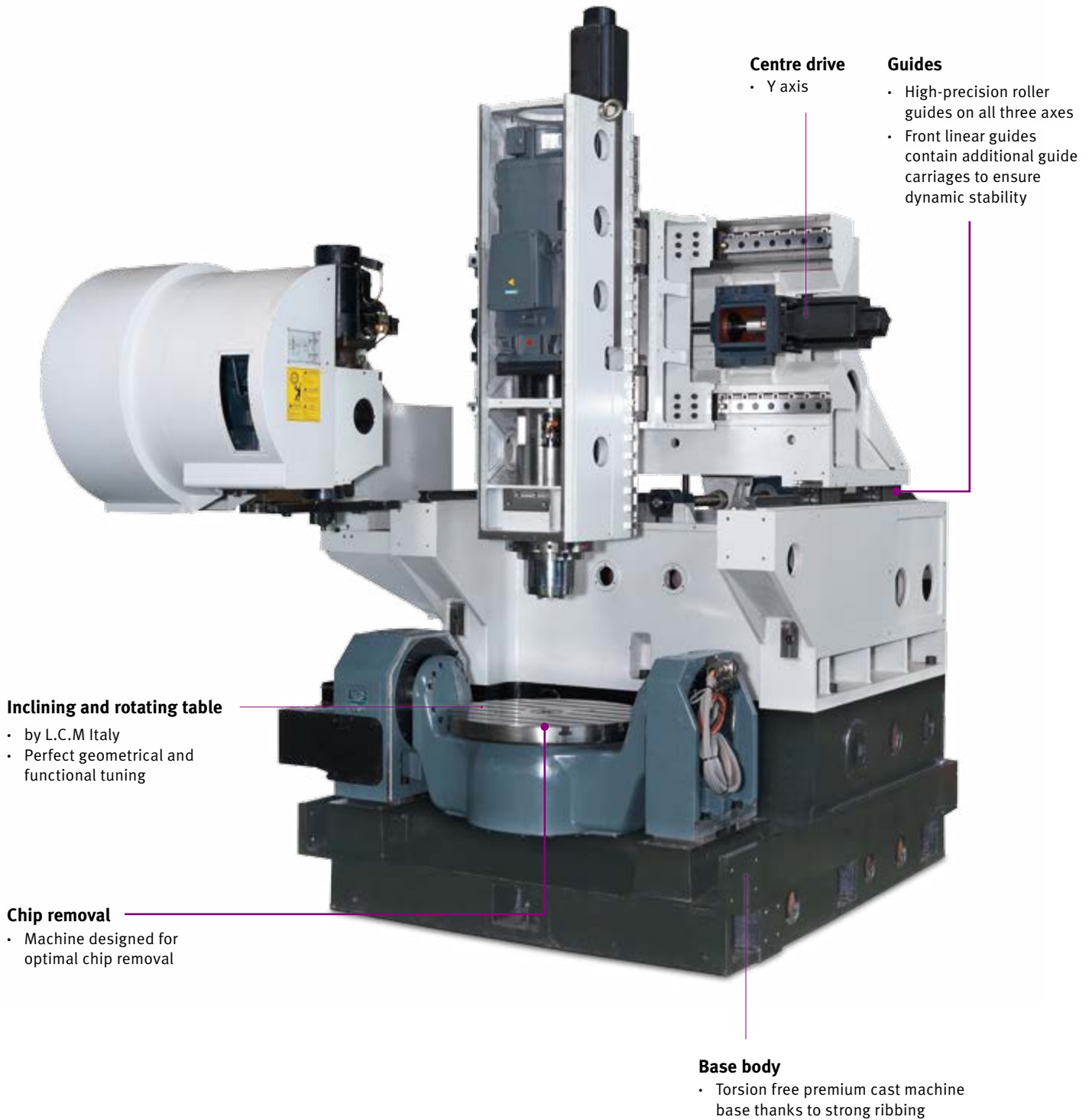
- **3D tool radius correction**

Allows the milling radius to be corrected in arbitrary reworking in the machine space and thus the use of reground tools for reworking and not just on planar surfaces.

- **Kinematics measuring cycle CYCLE996**

Supports measuring of the axis kinematics on machine tools with multiple round axes without the previous considerable time and cost overheads.

OPTIMUM - OPTImill FU 5





SPINDLE

Optionally

- ▶ Direct spindles (inline spindles) 15 000 rpm
- ▶ High-frequency spindles (built-in spindles) 18 000 rpm or 24 000 rpm



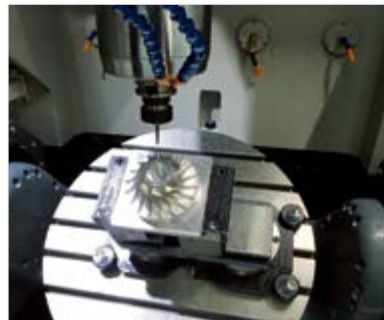
LARGE WORK AREA

- ▶ Easy loading and unloading of the machine
- ▶ Machine designed for optimal chip removal



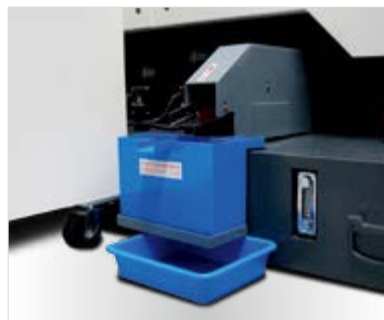
CONTROL SYSTEM

- ▶ New generation control panel with new machine control options.
- ▶ State-of-the-art multitouch interface for even more user-friendly operation, monitoring and programming



INCLINING AND ROTATING TABLE

- ▶ Max. rotational speed 90 rpm
- ▶ Max. tilt speed 16.6 rpm
- ▶ 3 hydraulic connection and 1 pneumatic connection (without valves)



OIL SEPARATOR / OIL SKIMMER

- ▶ Separation of non emulsified foreign oils by skimming
- ▶ Separation of solids by settling in the collection tank



CHIP CONVEYOR

- ▶ Conveyor version
- ▶ For efficient chip discharge



TOOL CHANGER

- ▶ Double arm grab
- ▶ Drum magazine
- ▶ 32 tool slots
- ▶ Optionally with 48 or 60 tool slots



GUIDES

- ▶ High-precision roller guides on all three axes
- ▶ Front linear guides contain additional guide carriages to ensure dynamic stability








WATER CIRCULATION UNIT

- ▶ Cooling of rapid motion spindles and ball screw spindles

OPTIMUM - OPTImill FU 5

Special equipment

Tool measuring / workpiece measuring		
 351138018*		BLUM TC52 measuring system <ul style="list-style-type: none"> • Universal measuring probe for shortest measuring times • Switching signal is generated by interrupting a miniature light barrier • Switching point repetition accuracy from 0.3 µm² at 2000 mm/min measuring speed • Wear-free and durably stable • Very compact probe with 40 mm diameter • Ex works
 351138019*		Renishaw OMP 60 <ul style="list-style-type: none"> • Compact, touch-actuated 3D probe. • Reliably modulated, optical signal transmission. • Excellent measuring performance reduces scrap and boost profitability • 360° transmission range • Ex works
 351138006*		 Blum Laser Control NT 5A <ul style="list-style-type: none"> • Proven, high-precision laser measuring system • Carrier systems offer best possible precision • Laser diodes and lenses of the highest quality • Ex works

Miscellaneous																		
3536109	1	Starter set SK 40 / DIN 69871 <ul style="list-style-type: none"> • Information on the starter set „SK 40 / DIN 69871“ on page 145 																
3536110	2	Starter set HSK A-63 <ul style="list-style-type: none"> • Information on the starter set „HSK A-63“ on page 146 																
351138003*	3	Coolant through spindle (CTS) <table border="1" data-bbox="821 873 1348 1110"> <thead> <tr> <th>Power unit</th> <th>Tank capacity</th> <th>Pressure</th> <th>Outlet filter</th> <th>Pre filter pump</th> <th rowspan="3">We recommend an extraction unit</th> </tr> </thead> <tbody> <tr> <td>extern</td> <td>165 litres</td> <td>20 bar</td> <td>25 µm</td> <td>40 µm</td> </tr> <tr> <td>extern</td> <td>165 litres</td> <td>70 bar</td> <td>25 µm</td> <td>40 µm</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Grundfos with oil separator, paper filter and cooling unit 	Power unit	Tank capacity	Pressure	Outlet filter	Pre filter pump	We recommend an extraction unit	extern	165 litres	20 bar	25 µm	40 µm	extern	165 litres	70 bar	25 µm	40 µm
Power unit			Tank capacity	Pressure	Outlet filter	Pre filter pump	We recommend an extraction unit											
extern			165 litres	20 bar	25 µm	40 µm												
extern	165 litres	70 bar	25 µm	40 µm														
351138004*																		
351138005*	4	Air conditioner <ul style="list-style-type: none"> • Instead of standard equipment › heat exchanger 																
351138002																		
351138016*	5	Automatic roof for machine work space <ul style="list-style-type: none"> • Pneumatic opening/closing • Top machine space cover • For oil mist extraction 																
351138017*		Solenoid valve set for router table <ul style="list-style-type: none"> • For controlling three hydraulic connections and one pneumatic connection for workpiece clamping 																

Tool changer		
351138009*		Double arm grab tool changer 48 tool slots <ul style="list-style-type: none"> • Instead of standard equipment › double arm grab tool changer with 32 tool slots
351138010*		Double arm grab tool changer 60 tool slots <ul style="list-style-type: none"> • Instead of standard equipment › double arm grab tool changer with 32 tool slots

Software		
3584014	6	DXF Reader for SIEMENS SINUMERIK controls <ul style="list-style-type: none"> • From version 4.7 • For importing DXF files • Hiding graphics layers • Automatic contour tracking • Arbitrary workpiece zero point per contour/drilling point • Multiple contours/drilling points can be selected at the same time • Generate and convert contours or drilling points for ShopMill • Displays the contours/drilling points created in the geometry processor
3584012	7	Top surface for SIEMENS SINUMERIK control <ul style="list-style-type: none"> • The NC data from the CAM system are optimised online during processing • The result is excellent surface quality while milling complex free-form surfaces. This is particularly beneficial for geometrically complex mould parts in automobile or aerospace applications or in power generation • All new functions are system integrated and available with Sinumerik Operate
351138014	8	Collision avoidance with SINUMERIK <ul style="list-style-type: none"> • Complex machining with risk of collision • Reliable protection against undesirable collisions



1

STARTER SET SK 40 / DIN 69871

- ▶ Milling head holder
- ▶ Chuck 1 - 13 mm
- ▶ Pull stud
- ▶ Weldon
- ▶ Adapter SK 40 to MT 3
- ▶ Spring collet holder
- ▶ Spring collet key
- ▶ Collet chuck set
- ▶ Assembly and tool adjustment gauge
- ▶ Height-adjuster
- ▶ Taper squeegee



2

STARTER SET HSK A-63

- ▶ Milling head holder with 27 mm collet
- ▶ Chuck 1 - 13 mm
- ▶ Weldon
- ▶ Adapter HSK63 to MT 3
- ▶ Spring collet holder
- ▶ Spring collet key
- ▶ Collet chuck set
- ▶ Swivelling mounting block
- ▶ Taper squeegee



3

COOLANT THROUGH SPINDLE

- ▶ Guarantees optimal service life
- ▶ Optionally with internal or external unit



4

AIR CONDITIONER

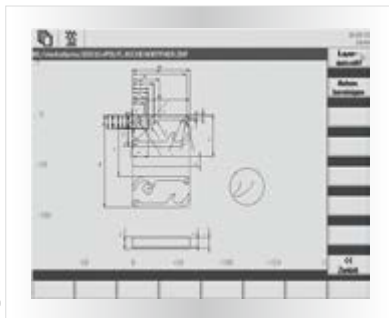
- ▶ Instead of heat exchanger



5

HOUSING COVER

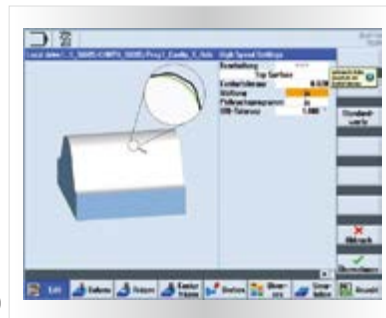
- ▶ Top machine cover
- ▶ Pneumatic opening/closing
- ▶ For oil mist extraction



6

DXF READER

- ▶ DXF data can be converted to NC programs for drilling patterns and contours.



7

TOP SURFACE

- ▶ Excellent surface quality and form precision
- ▶ Fast and precise machining thanks to new technology
- ▶ Complete machining fully integrated with Sinumerik Operate



8

COLLISION AVOIDANCE

- ▶ Complex machining of components with both static and moving parts without risk of collision

CNC MACHINE CENTER

立式加工中心 F500/F600 CNC



F600

优质、高效、高性价比

- 三轴直线导轨
- 三轴滚珠丝杆
- 机床自动润滑
- 内置工作灯 / 冷却装置

Convincing arguments: quality, efficiency and price

- Linear guiding in all three axis
- Ball screw in all three axis
- Automatical lubricating system
- Built-in working lamp/coolant system

可选附件 Optional accessories:



- 主轴中心出水
- 压力 20 帕
- 过滤精度为25μm



- Water out from spindle center
- Press 20 Bars
- Filtering precision is 25μm

型号	Model	F500	F600
产品编号	Code No.	1150000	1160000
机床电器	Electric Supply		
总功率	Total connection	24 KW	24 KW
主电机功率	Driving motor	12 KW	12 KW
冷却泵功率	Coolant pump	370 W	370 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	16/16/16 Nm	16/16/16 Nm
主轴	Spindle		
主轴锥度	Spindle taper	BT40	BT50
主轴转速	Spindle speed	8000 rpm	6000/8000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	700 mm	760 mm
最大面铣直径	Face milling dimension (Max)	Ø90 mm	Ø110 mm
最大立铣直径	End milling dimension (Max)	Ø50 mm	Ø55 mm
刀库	Magazine		
刀库容量	Capacity	24 tools	24 tools
最大刀具尺寸(满刀/邻空刀)	Tool diameter (Max)	Ø 78 mm(with adjacent tool) Ø120 mm	Ø 112 mm(with adjacent tool) Ø200 mm
最大刀具重量	Tool weight (Max)	8 kg	18 kg
换刀时间	Time-tool changing	2.5 Seconds	3.5 Seconds
工作台	Table		
工作台尺寸 (长×宽)	Table length×width	1300×600 mm	1400×700 mm
主轴端到工作台面距离	Distance spindle-table	120-770 mm	160-860 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	18 mm/100 mm/5	18 mm/110 mm/5
最大承载重量	Load(Max)	1100 kg	1200 kg
行程	Travel		
X轴	X axis	1100 mm	1200 mm
Y轴	Y axis	600 mm	700 mm
Z轴	Z axis	650 mm	700 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	36 m/min	18 m/min
精度	Accuracy		
定位精度	Positioning accuracy	±0.01 mm	±0.01 mm
重复定位精度	Repeat positioning accuracy	±0.005 mm	±0.005 mm
尺寸	Dimensions		
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	2850×2550×2700 mm	3680×2950×3510 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	3300×2680×3150 mm	4090×3290×3650 mm
净重/毛重	Net weight/Gross weight	7300/8000 kg	8500/9700 kg
水箱容积	Tank capacity	280 L	300 L

可选附件 Optional accessories:



- 台湾进口第四轴 (回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- OPS-30 红外通讯测头系统
- Optical Probe System



- 对刀仪
- Tool-setting gauge



- 排屑器
- Chip conveyor

CNC MACHINE CENTER

立式加工中心 F800 CNC



优质、高效、高性价比

- 三轴直线导轨
- 三轴滚珠丝杆
- 机床自动润滑
- 内置工作灯 / 冷却装置

Convincing arguments: quality, efficiency and price

- Linear guiding in all three axis
- Ball screw in all three axis
- Automatical lubricating system
- Built-in working lamp/coolant system

可选附件 Optional accessories:



- 主轴中心出水
- 压力 20 帕
- 过滤精度为25μm



- Water out from spindle center
- Press 20 Bars
- Filtering precision is 25μm

型号	Model	F800
产品编号	Code No.	1180000
机床电器	Electric Supply	
总功率	Total connection	30 KW
主电机功率	Driving motor	15 KW
冷却泵功率	Coolant pump	370 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	20/20/20 Nm
主轴	Spindle	
主轴锥度	Spindle taper	BT50
主轴转速	Spindle speed	6000/8000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	880 mm
最大面铣直径	Face milling dimension (Max)	Ø120 mm
最大立铣直径	End milling dimension (Max)	Ø60 mm
刀库	Magazine	
刀库容量	Capacity	24 tools
最大刀具尺寸(满刀/邻空刀)	Tool diameter (Max)	Ø 112 mm(with adjacent tool) Ø200 mm
最大刀具重量	Tool weight (Max)	18 kg
换刀时间	Time-tool changing	3.5 Seconds
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	1700×800 mm
主轴端到工作台面距离	Distance spindle-table	150-950 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	22 mm/160 mm/5
最大承载重量	Load(Max)	1600 kg
行程	Travel	
X轴	X axis	1500 mm
Y轴	Y axis	800 mm
Z轴	Z axis	800 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	18 m/min
精度	Accuracy	
定位精度	Positioning accuracy	±0.01 mm
重复定位精度	Repeat positioning accuracy	±0.008 mm
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	3770×3160×3315 mm
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	3950×3650×3550 mm
净重/毛重	Net weight/Gross weight	12800/14000 kg
水箱容积	Tank capacity	350 L

可选附件 Optional accessories:



- 台湾进口第四轴 (回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- OPS-30 红外通讯测头系统
- Optical Probe System



- 对刀仪
- Tool-setting gauge



- 排屑器
- Chip conveyor

CNC MACHINE CENTER

立式加工中心 F900 CNC



优质、高效、高性价比

- 三轴直线导轨
- 三轴滚珠丝杆
- 机床自动润滑
- 内置工作灯 / 冷却装置

Convincing arguments: quality, efficiency and price

- Linear guiding in all three axis
- Ball screw in all three axis
- Automatical lubricating system
- Built-in working lamp/coolant system

可选附件 Optional accessories:



- 主轴中心出水
- 压力 20 帕
- 过滤精度为25μm



- Water out from spindle center
- Press 20 Bars
- Filtering precision is 25μm

型号	Model	F900
产品编号	Code No.	1190000
机床电器	Electric Supply	
总功率	Total connection	30 KW
主电机功率	Driving motor	15 KW
冷却泵功率	Coolant pump	370 W
电机扭矩 (X轴、Y轴、Z轴)	Torque motor(X,Y,Z axis)	36/36/36 Nm
主轴	Spindle	
主轴锥度	Spindle taper	BT 50
主轴转速	Spindle speed	6000 rpm
主轴轴线至立柱表面距离	Distance spindle-column	960 mm
最大面铣直径	Face milling dimension (Max)	Ø120 mm
最大立铣直径	End milling dimension (Max)	Ø60 mm
刀库	Magazine	
刀库容量	Capacity	24 tools
最大刀具尺寸(满刀/邻空刀)	Tool diameter (Max)	Ø 112 mm(with adjacent tool) Ø200 mm
最大刀具重量	Tool weight (Max)	18 kg
换刀时间	Time-tool changing	5 Seconds
工作台	Table	
工作台尺寸 (长×宽)	Table length×width	2000x900 mm
主轴端到工作台面距离	Distance spindle-table	120-970 mm
T型槽槽宽/间距/数量	T-slot(size/distance/number)	18 mm/125 mm/7
最大承载重量	Load(Max)	1850 kg
行程	Travel	
X轴	X axis	1800 mm
Y轴	Y axis	850 mm
Z轴	Z axis	850 mm
快移速度 (X轴、Y轴、Z轴)	Rapid feed(X,Y,Z axis)	18 m/min
精度	Accuracy	
定位精度	Positioning accuracy	±0.01 mm
重复定位精度	Repeat positioning accuracy	±0.008 mm
尺寸	Dimensions	
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	
包装箱尺寸 (长×宽×高)	Packing size(LxWxH)	
净重/毛重	Net weight/Gross weight	13400/15500 kg
水箱容积	Tank capacity	350 L

可选附件 Optional accessories:



- 台湾进口第四轴 (回转工作台)
- The fourth axis imported from Taiwan (Rotary table)



- OPS-30 红外通讯测头系统
- Optical Probe System



- 对刀仪
- Tool-setting gauge



- 排屑器
- Chip conveyor

HORIZONTAL MACHINING CENTERS

卧式加工中心 HF 500/630/800 CNC



优质、高效、高性价比 Convincing arguments: quality, efficiency and price

- 底座采用流行倒“T”型布局，整体结构刚性高，全行程不产生颠覆力矩。
- 底座铸件用高精度五面龙门加工，只需一次装夹即可完成五面的铣削、钻孔、攻丝，减少了装夹误差，提高了加工精度。
- A prevalent inverted “T” shaped layout is in the base frame, which is rigidity of the integral structure and is not creative of any overturning during the full stroke.
- The base frame manufacture by five-sided machined high-precisely machining centre, finish most work in one chucking.
- A grouped 60° angular contact ball bearing is adopted in the lead screw, which is doubly supported and pre-tensioned, so as to increase the machining precision.
- High-frequency hardened slide rails or heavy-load high precision roller guide ways, which have an excellent property of shock absorption and bear heavy load cutting.
- 丝杠采用成组60°角接触球轴承，双支撑并进行预拉伸，确保传动精度。
- 采用高频淬火滑动轴承或重载高精度滚柱轴承，能够承受大负荷切削，具有良好的减震性。
- 采用台湾高精度主轴，标准转速6000rpm，并带有主轴气幕保护装置，确保主轴精度稳定，寿命长。
- 数控回转工作台、分度工作台、交换工作台可选。
- Taiwan precision spindle, 6,000rpm and with air film protection device, so as to ensure to keep the spindle precision and service long life.
- CNC rotary table、Indexing table、Exchange table for optional.

型号	MODEL	HF 500 CNC	HF 630 CNC	HF 800 CNC
产品编号	Item No	1550000	1563000	1580000
工作台尺寸(长x宽)	Worktable dimensions(LxW)	500x500 mm	630x630 mm	800x800 mm
工作台数量	Number of worktables	1	1	1
工作台分度	Worktable indexing	1°x360	1°x360	1°x360
T型槽尺寸(槽宽/间距/槽数)	T-slot	18 mm/100 mm/5	22 mm/125 mm/5	22 mm/160 mm/5
工作台最大载荷	Maximum load capacity of worktable	500 kg	1000 kg	1500 kg
工作台左右行程 (X轴)	X axis travel	700 mm	950 mm	1300 mm
工作台前后行程 (Z轴)	Z axis travel	580 mm	830 mm	900 mm
主轴箱上下行程 (Y轴)	Y axis travel	580 mm	750 mm	900 mm
主轴中心线到工作台面距离	Distance from center of spindle to worktable	120 ~ 700 mm	120 ~ 870 mm	100 ~ 1000 mm
主轴端面到工作台中心距离	Distance from spindle nose to center of worktable	120 ~ 780 mm	170 ~ 1000 mm	180 ~ 1080 mm
主轴锥度	Spindle taper	BT40	BT50	BT50
主轴最高转速	Maximum spindle speed	8000 rpm	6000 rpm	6000 rpm
快速移动速度 (X、Y、Z)	Rapid traveing(X、Y、Z)	24000 mm/min	24000 mm/min	24000 mm/min
转台最大速度	Maximum speed to table	5 r/min	10 r/min	10 r/min
刀库容量	Tool room capacity	30	40	40
选刀方式	Tool selection mode	random	random	random
最大刀具尺寸(直径x长度)	Maximum tool dimensions(diameter x length)	Φ77x320 (With adjacent tool) Φ130x320	Φ125x350 (With adjacent tool) Φ250x350	Φ125x350 (With adjacent tool) Φ250x350
最大刀具重量	Maximum tool weight	8 kg	25 kg	25 kg
换刀时间(刀对刀)	Tool change time(tool to tool)	2.5 s	5.5 s	5.5 s
机床重量	G.W.	12000 kg	14000 kg	18000 kg
定位精度	Positioning precision	0.01 mm (Full range)	0.012 mm (Full range)	0.012 mm (Full range)
重复定位精度	Repeatability positioning precision	0.006 mm (Full range)	0.008 mm (Full range)	0.008 mm (Full range)

标准附件:

- 刚性攻丝
- 30 把凸轮式刀库
- 全封闭防护罩
- 电子手轮
- 照明装置
- 双螺旋排屑器
- 自动轮滑系统
- 电箱恒温装置
- 主轴刀具冷却系统工具箱
- 手动气枪
- 主轴锥孔清洁剂
- 工具箱

Standard accessories:

- Rigid tapping
- 30pcs cam-type tool-changer
- Full-guarded housing
- Electric hand-wheel
- Lighting system
- Duplex chip conveyor
- Automatical lubricating system
- Constant temperature device in cabinet
- Tool box of coolant system for spindle tool
- Manual air-gun
- Cleaning device for spindle taper hole
- Tool-box

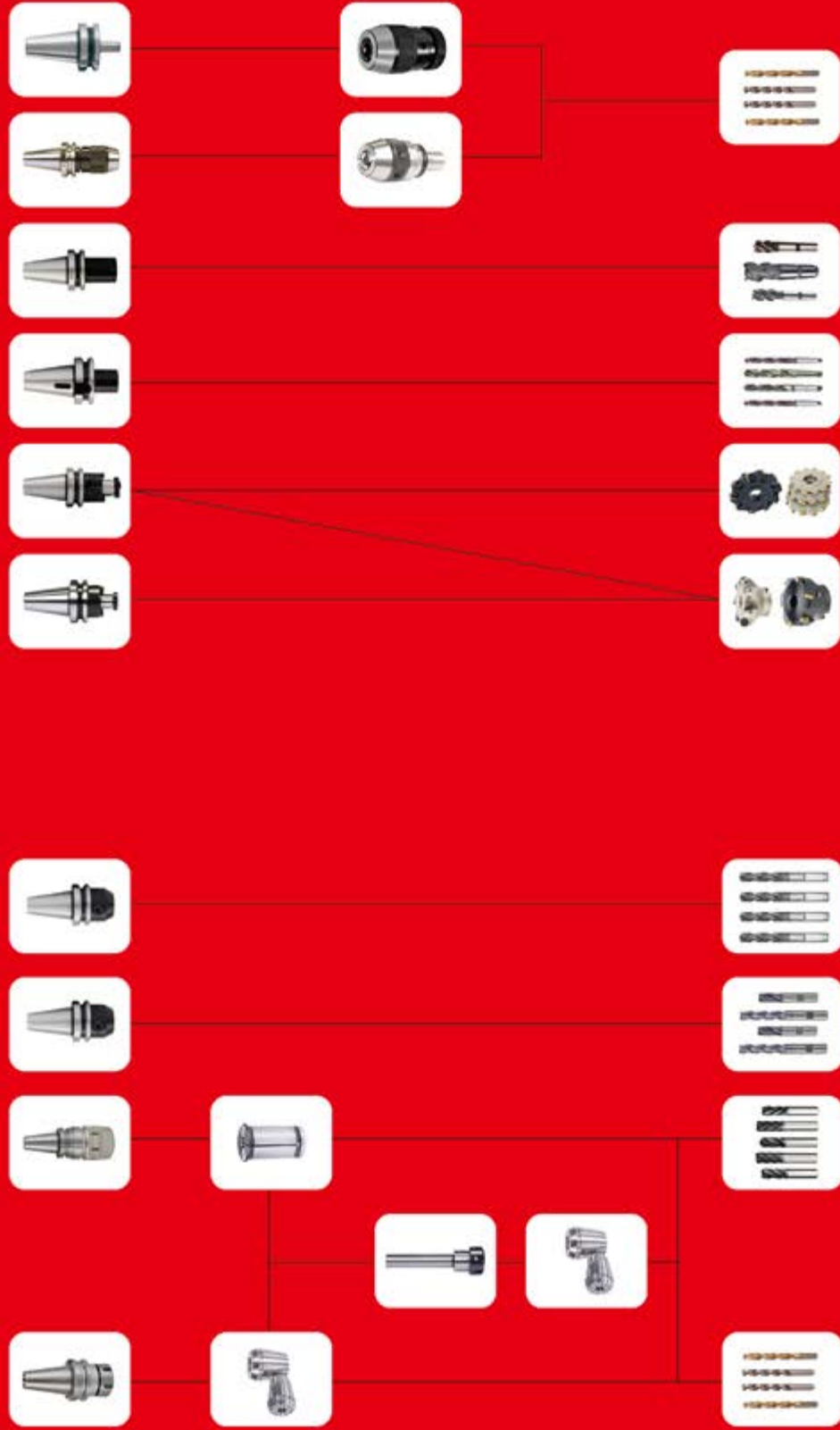
可选附件:

- 24 把凸轮式刀库
- 40 把凸轮式刀库
- 三轴光栅尺检测装置
- 工件测量系统
- 刀具测量系统
- 主轴内冷
- 数控回转工作台
- 链式排屑器
- 刀具长度设定器和寻边器
- 油水分离器
- 主轴水冷却装置
- 网络功能

Optional accessories:

- 24pcs cam-type tool-changer
- 40pcs cam-type tool-changer
- Detection device for 3-axis glass-scale
- Measuring system of working-piece
- Measuring system of tool
- Spindle inner-cooling
- CNC-rotary table
- Chain chip conveyor
- Tool length setter and edge-detector
- Oil & water separator
- Spindle water-cooling device
- Internet function

工具系统配置图
CNC TOOL SYSTEMS





BT 系列



ER 弹簧夹头刀柄
ER Collet Chuck DIN6499



GER 高速刀柄
High Speed GER Collet Chuck



SC 强力铣刀柄
Precision Milling Chuck



APU 钻头刀柄
APU Drill Holder



SLA 侧固式刀柄
End Mill Holder Weldon DIN6359/1835B



混合插入式刀柄
Combi Shell Mill Holder DIN6358



面铣刀柄 (公制)
FMB Face Mill Holder



有扁尾莫氏刀柄
Morse Taper Adapter with Tang DIN638



弹性攻丝刀柄
Quick Crane Tapping Chuck with Legen Compensation



热缩刀柄
Shrink Chuck



附件系列



BT 拉钉
BT Pull Stud



刀柄锁刀座
Tool Holder Locking Device



ER 扳手
ER Spanner



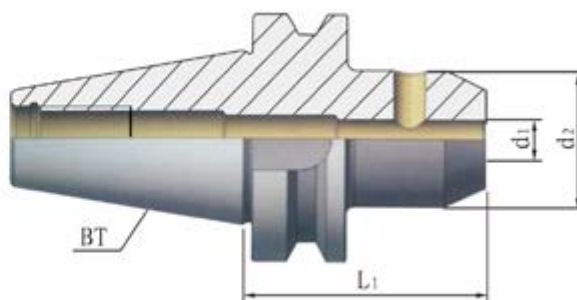
SKS 滚珠扳手
SKS Ball Spanner



刀具车
Tool Holder Mobile Cabinet

Side Lock End Mill Holder DIN6359/1835B(Weldon)

MAS-BT

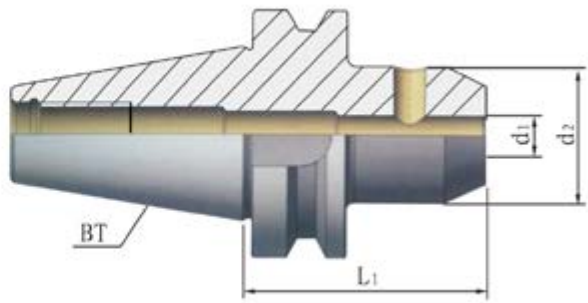


Order No.	Model	Balance/RPM	d1	d2	L1	Wt(kg)
1901001	BT30-SLA6-60	G6.3/15000	6	25	60	0.55
1901002	BT30-SLA8-60	G6.3/15000	8	28	60	0.60
1901003	BT30-SLA10-50	G6.3/15000	10	35	50	0.70
1901004	BT30-SLA10-60	G6.3/15000	10	35	60	0.70
1901005	BT30-SLA12-50	G6.3/15000	12	42	50	0.75
1901006	BT30-SLA12-60	G6.3/15000	12	42	60	0.75
1901007	BT30-SLA14-50	G6.3/15000	14	45	50	1.05
1901008	BT30-SLA16-63	G6.3/15000	16	48	63	1.10
1901009	BT30-SLA16-75	G6.3/15000	16	48	75	1.05
1901010	BT30-SLA20-75	G6.3/15000	20	52	75	1.10
1901011	BT30-SLA25-90	G6.3/15000	25	65	90	1.70
1901012	BT40-SLA6-50	G6.3/15000	6	25	50	1.10
1901013	BT40-SLA8-50	G6.3/15000	8	28	50	1.10
1901014	BT40-SLA10-63	G6.3/15000	10	35	63	1.25
1901015	BT40-SLA12-63	G6.3/15000	12	42	63	1.30
1901016	BT40-SLA14-63	G6.3/15000	14	45	63	1.35
1901017	BT40-SLA16-63	G6.3/15000	16	48	63	1.40
1901019	BT40-SLA20-63	G6.3/15000	20	52	63	1.40
1901020	BT40-SLA25-100	G6.3/15000	25	65	100	2.50
1901021	BT40-SLA32-100	G6.3/15000	32	72	100	2.75

Side Lock End Mill Holder DIN6359/1835B(Weldon)

MAS-BT

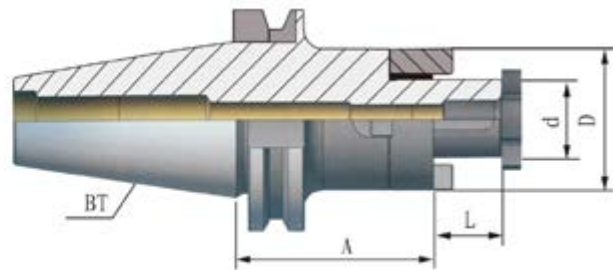
CNC



Order No.	Model	Balance/RPM	d1	d2	L1	Wt(kg)
1901022	BT50-SLA6-63	G6.3/15000	6	25	63	3.80
1901023	BT50-SLA8-63	G6.3/15000	8	28	63	3.80
1901024	BT50-SLA10-63	G6.3/15000	10	35	63	3.90
1901025	BT50-SLA12-80	G6.3/15000	12	42	80	4.00
1901026	BT50-SLA16-80	G6.3/15000	16	48	80	4.40
1901027	BT50-SLA20-80	G6.3/15000	20	52	80	4.40
1901028	BT50-SLA25-100	G6.3/15000	25	65	100	5.10
1901029	BT50-SLA32-105	G6.3/15000	32	72	105	5.20
1901030	BT50-SLA40-115	G6.3/15000	40	90	115	6.60
1901031	BT50-SLA42-120	G6.3/15000	42	90	120	6.70

Combi Shell Mill Holder DIN6358

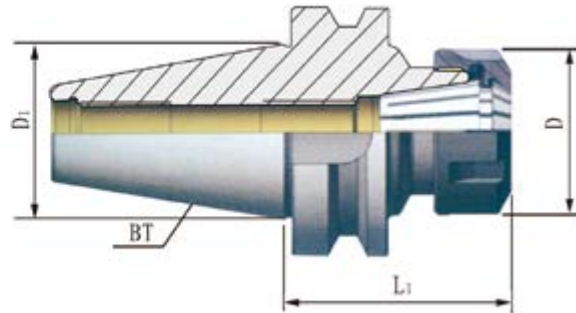
MAS-BT



Order No.	Model	Balance/RPM	d	D	L	A
1901032	BT30-SEMC16-45	G6.3/15000	12	32	17	45
1901033	BT30-SEMC22-47	G6.3/15000	22	40	19	47
1901034	BT30-SEMC27-49	G6.3/15000	27	48	21	49
1901035	BT40-SEMC16-55	G6.3/15000	16	32	17	55
1901036	BT40-SEMC16-100	G6.3/15000	16	32	17	100
1901037	BT40-SEMC22-55	G6.3/15000	22	40	19	55
1901038	BT40-SEMC22-100	G6.3/15000	22	40	19	100
1901039	BT40-SEMC27-55	G6.3/15000	27	48	21	55
1901040	BT40-SEMC27-100	G6.3/15000	27	48	21	100
1901041	BT40-SEMC32-60	G6.3/15000	32	58	24	60
1901042	BT40-SEMC32-100	G6.3/15000	32	58	24	100
1901043	BT40-SEMC40-60	G6.3/15000	40	70	27	60
1901044	BT40-SEMC40-100	G6.3/15000	40	70	27	100
1901045	BT50-SEMC16-70	G6.3/15000	16	32	17	70
1901046	BT50-SEMC22-70	G6.3/15000	22	40	19	70
1901047	BT50-SEMC27-70	G6.3/15000	27	48	21	70
1901048	BT50-SEMC32-70	G6.3/15000	32	58	24	70
1901049	BT50-SEMC40-70	G6.3/15000	40	70	27	70

ER Collet Chuck DIN6499

MAS-BT

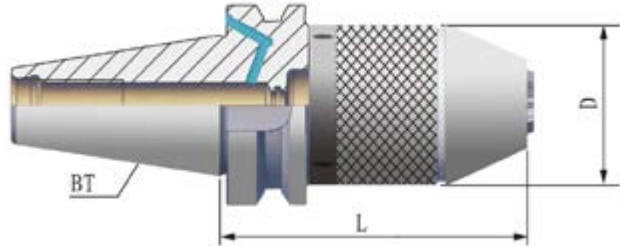


CNC

Order No.	Model	Balance/RPM	D	D1	L1	Clamping Range	Wt(kg)
1901050	BT30-ER16-70	G6.3/15000	28	31.75	70	0.5-10	0.5
1901051	BT30-ER20-70	G6.3/15000	35	31.75	70	0.5-16	0.55
1901052	BT30-ER25-70	G6.3/15000	42	31.75	70	0.5-16	0.58
1901053	BT30-ER32-70	G6.3/15000	50	31.75	70	1-20	0.85
1901054	BT30-ER40-80	G6.3/15000	63	31.75	80	2-26	1.10
1901055	BT40-ER16-60	G6.3/15000	28	44.45	60	0.5-10	1.1
1901056	BT40-ER16-70	G6.3/15000	32	44.45	70	0.5-10	1.14
1901057	BT40-ER20-70	G6.3/15000	35	44.45	70	0.5-13	1.16
1901058	BT40-ER20-100	G6.3/15000	35	44.45	100	0.5-13	1.38
1901059	BT40-ER20-130	G6.3/15000	35	44.45	130	0.5-13	1.76
1901060	BT40-ER25-70	G6.3/15000	42	44.45	70	0.5-16	1.22
1901061	BT40-ER25-100	G6.3/15000	42	44.45	100	0.5-16	1.52
1901062	BT40-ER25-130	G6.3/15000	42	44.45	130	0.5-16	1.90
1901063	BT40-ER25-160	G6.3/15000	42	44.45	160	0.5-16	2.10
1901064	BT40-ER32-70	G6.3/15000	50	44.45	70	1-20	1.30
1901065	BT40-ER32-100	G6.3/15000	50	44.45	100	1-20	1.72
1901066	BT40-ER32-130	G6.3/15000	50	44.45	130	1-20	2.05
1901067	BT40-ER32-160	G6.3/15000	50	44.45	160	1-20	2.58
1901068	BT40-ER40-80	G6.3/15000	63	44.45	80	2-26	1.45
1901069	BT40-ER40-100	G6.3/15000	63	44.45	100	2-26	2.01
1901070	BT40-ER40-160	G6.3/15000	63	44.45	160	2-26	3.29
1901071	BT50-ER16-70	G6.3/15000	28	69.85	70	0.5-10	3.64
1901072	BT50-ER20-70	G6.3/15000	35	69.85	70	0.5-13	3.67
1901073	BT50-ER20-100	G6.3/15000	35	69.85	100	0.5-13	3.84
1901074	BT50-ER25-70	G6.3/15000	42	69.85	70	0.5-16	3.70
1901075	BT50-ER25-100	G6.3/15000	42	69.85	100	0.5-16	4.54
1901076	BT50-ER32-70	G6.3/15000	50	69.85	70	1-20	3.73
1901077	BT50-ER32-100	G6.3/15000	50	69.85	100	1-20	5.20
1901078	BT50-ER32-160	G6.3/15000	50	69.85	160	1-20	4.97
1901079	BT50-ER32-200	G6.3/15000	50	69.85	200	1-20	5.48
1901080	BT50-ER40-80	G6.3/15000	63	69.85	80	2-26	3.76
1901081	BT50-ER40-100	G6.3/15000	63	69.85	100	2-26	4.44
1901082	BT50-ER40-160	G6.3/15000	63	69.85	160	2-26	5.77
1901083	BT50-ER40-200	G6.3/15000	63	69.85	200	2-26	6.66

APU Drill Chuck Holder

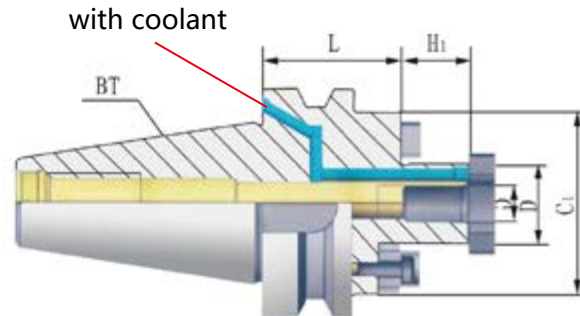
MAS-BT



Order No.	Model	Balance/RPM	D	L		Clamping Range
				Min	Max	
1912002	BT30-APU13-100	G6.3/15000	51.5	97	104.5	1-13
1912003	BT30-APU16-110	G6.3/15000	58	116	109	1-16
1912005	BT40-APU13-105	G6.3/15000	51.5	98	104.5	1-13
1912007	BT40-APU16-110	G6.3/15000	58	116	109	3-16
1912010	BT50-APU13-120	G6.3/15000	51.5	109	120	1-13
1912012	BT50-APU16-130	G6.3/15000	58	116	130	3-16

FMB Face Mill Holder DIN6357

MAS-BT

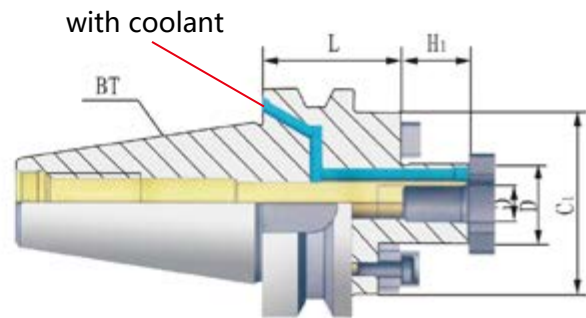


CNC

Order No.	Model	Balance/RPM	D	L	C1	H1	G
1901156	BT30-FMB16-45	G6.3/15000	16	45	56	18	M8
1901085	BT30-FMB22-45	G6.3/15000	22	45	56	18	M10
1901086	BT30-FMB22-60	G6.3/15000	22	60	48	19	M10
1901087	BT30-FMB27-45	G6.3/15000	27	45	60	21	M12
1901088	BT30-FMB27-60	G6.3/15000	27	60	60	21	M12
1901089	BT40-FMB16-40	G6.3/15000	16	40	48	19	M8
1901090	BT40-FMB22-40	G6.3/15000	22	40	60	21	M10
1901092	BT40-FMB22-60	G6.3/15000	22	60	48	19	M10
1901093	BT40-FMB22-90	G6.3/15000	22	90	48	18	M10
1901094	BT40-FMB22-100	G6.3/15000	22	100	48	19	M12
1901095	BT40-FMB22-150	G6.3/15000	22	150	48	19	M12
1901096	BT40-FMB27-40	G6.3/15000	22	40	60	21	M12
1901098	BT40-FMB27-60	G6.3/15000	27	60	60	20	M12
1901099	BT40-FMB27-90	G6.3/15000	27	90	60	20	M12
1901100	BT40-FMB27-100	G6.3/15000	27	100	60	21	M12
1901101	BT40-FMB27-150	G6.3/15000	27	150	60	21	M12
1901102	BT40-FMB32-45	G6.3/15000	32	45	63	21	M16
1901104	BT40-FMB32-100	G6.3/15000	32	100	78	24	M16
1901105	BT40-FMB32-150	G6.3/15000	32	150	78	24	M16
1901106	BT40-FMB40-45	G6.3/15000	40	45	68	23	M16
1901108	BT40-FMB40-75	G6.3/15000	40	75	89	27	M20
1901109	BT40-FMB40-100	G6.3/15000	40	100	89	27	M20

FMB Face Mill Holder DIN6357

MAS-BT

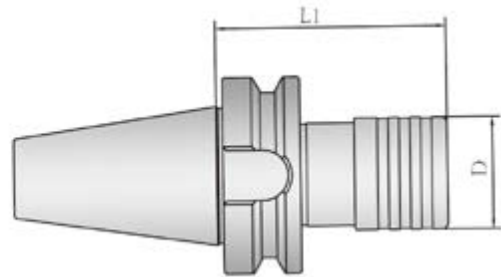


Order No.	Model	Balance/RPM	D	L	C1	H1	G
1901110	BT50-FMB22-45	G6.3/15000	22	45	48	18	M10
1901112	BT50-FMB22-75	G6.3/15000	22	75	48	18	M10
1901113	BT50-FMB22-100	G6.3/15000	22	100	48	19	M10
1901114	BT50-FMB22-150	G6.3/15000	22	150	48	19	M10
1901115	BT50-FMB27-45	G6.3/15000	27	45	65	20	M12
1901116	BT50-FMB27-75	G6.3/15000	27	75	65	20	M12
1901117	BT50-FMB27-90	G6.3/15000	27	90	65	20	M12
1901118	BT50-FMB27-100	G6.3/15000	27	100	60	21	M12
1901119	BT50-FMB27-150	G6.3/15000	27	150	60	21	M12
1901120	BT50-FMB32-45	G6.3/15000	32	45	73	21	M16
1901122	BT50-FMB32-75	G6.3/15000	32	75	73	21	M16
1901123	BT50-FMB32-100	G6.3/15000	32	100	78	24	M16
1901124	BT50-FMB32-150	G6.3/15000	32	150	78	24	M16
1901125	BT50-FMB32-200	G6.3/15000	32	200	78	24	M16
1901126	BT50-FMB40-45	G6.3/15000	40	45	85	23	M16
1901127	BT50-FMB40-75	G6.3/15000	40	75	85	23	M16
1901128	BT50-FMB40-105	G6.3/15000	40	105	85	23	M16

Quick Change Tapping Chuck with Length Compensation

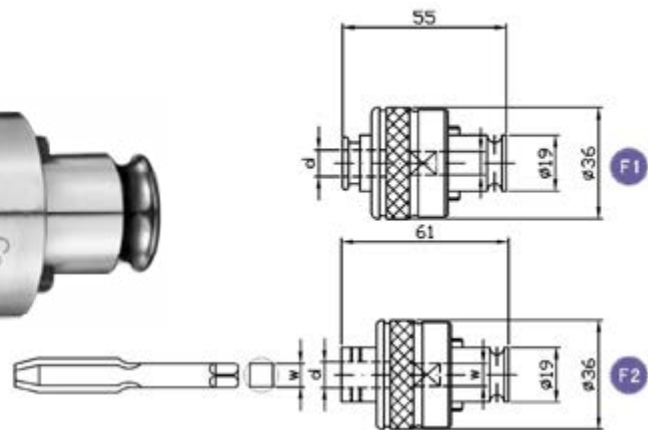
MAS-BT

CNC



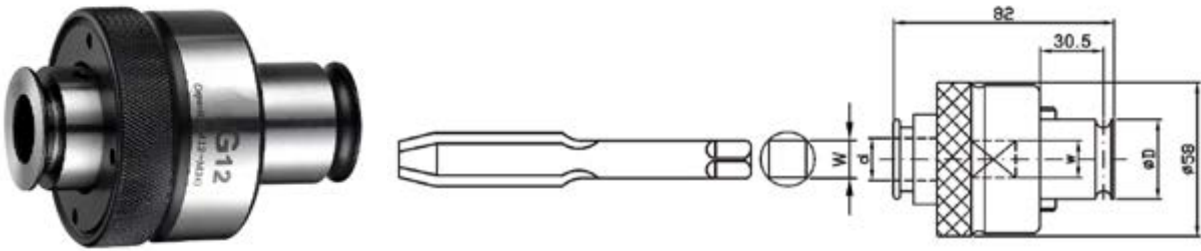
Order No.	Model	Balance/RPM	Tapping Range	Stretch	Shrink	D	L1
1961001	BT30-TC312-70	G6.3/15000	M3-M12	7.5	7.5	36	70
1961002	BT40-TC312-70	G6.3/15000	M3-M12	7.5	7.5	36	70
1961003	BT40-TC820-95	G6.3/15000	M12-M24	10	10	56	95
1961004	BT40-TC1433-142	G6.3/15000	M24-M42	17.5	17.5	78	142
1961005	BT50-TC312-85	G6.3/15000	M3-M12	7.5	7.5	36	85
1961006	BT50-TC820-105	G6.3/15000	M12-M24	10	10	56	105
1961007	BT50-TC1433-145	G6.3/15000	M24-M42	17.5	17.5	78	145

Tapping collet G3(ISO)



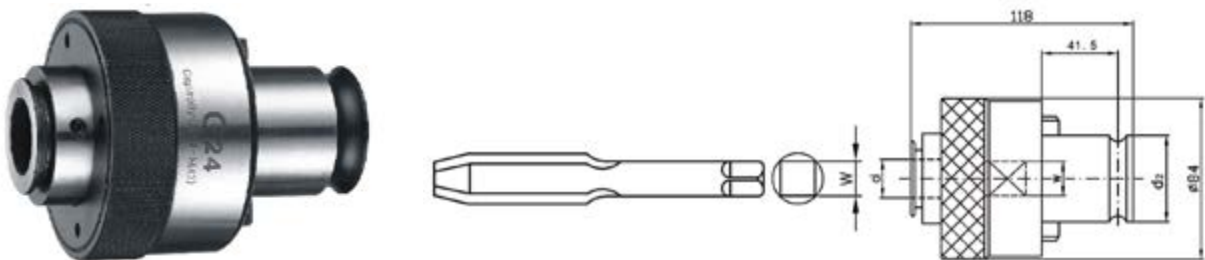
Order No.	Model	Specification	d	w	Dimensim
1961008/1961055	G3/G3-X	M3	3.15	2.5	F1
1961009/1961056		M4	4	3.15	
1961010/1961057		M5	5	4	
1961011/1961058		M6-M8	6.3	5	
1961012/1961059		M10	8	6.3	
1961013/1961060		M12	9	7.1	
1961014/1961061		M14	11.2	9	
1961015/1961062	M16	12.5	10		

Tapping collet G12



Order No.	Model	Specification	d	w	D(Metric)	D(Inch)
1961016	G12	M6-8	6	5	30	31
1961017		M10	8	6.3	30	31
1961018		M12	9	7.1	30	31
1961019		M14	11.2	9	30	31
1961020		M16	12.5	10	30	31
1961021		M18-20	14	11.2	30	31
1961022		M22	16	12.5	30	31
1961023		M24	18	14	30	31
1961024		M30	20	16	30	31

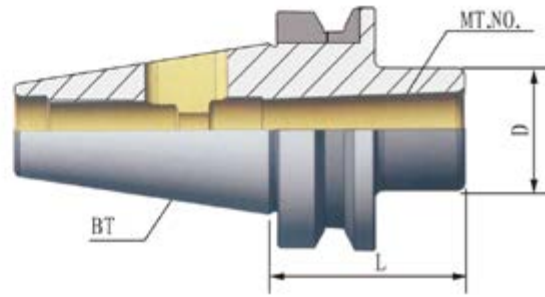
Tapping collet G24



Order No.	Model	Specification	d	w	d2(Metric)	d2(Inch)
1961025	G24	M24	18	14	45	48
1961026		M27-30	20	16		
1961027		M33	22.4	18		
1961028		M36	25	20		
1961029		M39-42	28	22.4		
1961030		M45-48	31.5	25		

MTA Morse Taper Adapter DIN6383

MAS-BT

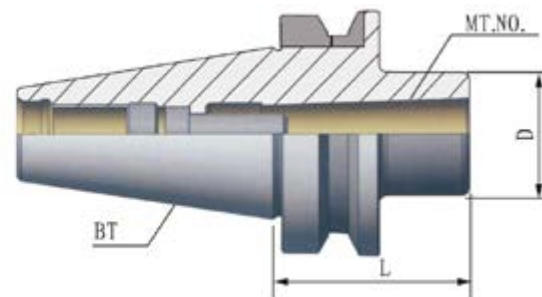


CNC

Order No.	Model	Balance/RPM	MT.No.	L	D	Wt(kg)
1913257	BT30-MTA1-45	G6.3/15000	1	45	25	0.43
1913258	BT30-MTA2-60	G6.3/15000	2	60	32	0.5
1913259	BT40-MTA1-45	G6.3/15000	1	45	25	1.02
1913260	BT40-MTA2-60	G6.3/15000	2	60	32	1.11
1913261	BT40-MTA3-75	G6.3/15000	3	75	40	1.15
1913262	BT40-MTA4-90	G6.3/15000	4	90	48	1.43
1913263	BT50-MTA1-45	G6.3/15000	1	45	25	3.6
1913264	BT50-MTA2-50	G6.3/15000	2	50	32	3.63
1913265	BT50-MTA3-65	G6.3/15000	3	65	40	3.7
1913266	BT50-MTA3-120	G6.3/15000	3	120	40	4.4
1913267	BT50-MTA4-85	G6.3/15000	4	85	48	3.75
1913268	BT50-MTA5-105	G6.3/15000	5	105	63	5

MTB Morse Taper Adapter (with Drawbar) DIN6364

MAS-BT

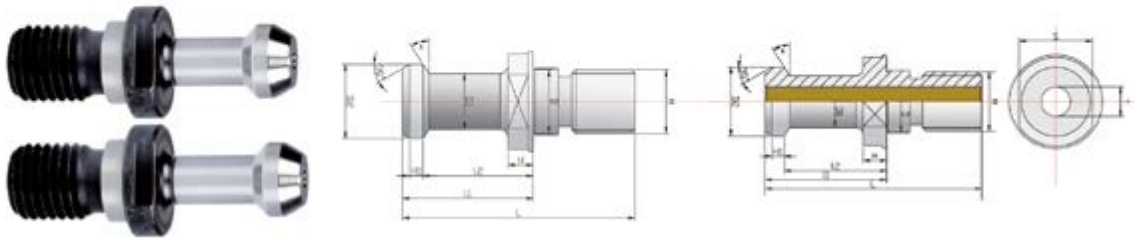


Order No.	Model	Balance/RPM	MT.No.	L	D	Wt(kg)
1913227	BT30-MTB1-45	G6.3/15000	1	45	25	0.55
1913228	BT30-MTB2-60	G6.3/15000	2	60	32	0.6
1913229	BT30-MTB2-75	G6.3/15000	3	75	42	0.55
1913230	BT40-MTB1-45	G6.3/15000	1	45	25	1.05
1913232	BT40-MTB2-45	G6.3/15000	2	45	32	1.85
1913234	BT40-MTB3-70	G6.3/15000	3	70	40	1.9
1913237	BT40-MTB4-95	G6.3/15000	4	95	48	2.02
1913238	BT50-MTB1-45	G6.3/15000	1	45	25	4.1
1913239	BT50-MTB2-45	G6.3/15000	2	45	32	3.9
1913241	BT50-MTB3-60	G6.3/15000	3	60	40	3.9
1913242	BT50-MTB4-75	G6.3/15000	4	75	50	4.2
1913244	BT50-MTB5-120	G6.3/15000	5	120	70	4.3

BT Pull Stud

BT 拉钉

MAS 403-1982



Model	D	D1	D2	M	L	L1	L2	H	H1	∅
BT30	12.5	7	11	M12	43	23	18	5	2.5	30° 45° 60° 90°
BT40	17	10	15	M16	60	35	28	6	3	
BT50	25	17	23	M24	85	45	35	10	5	

Tool Holder Locking Device

刀柄锁刀座



Taper of Tool Holder	Qutsize(mm)	Wt(kg)
BT30	205x98.5x128	3.7
BT40	205x98.5x128	3.8
BT50	275x150x198	11.4
DIN69871.30	205x98.5x128	3.7
DIN69871.40	205x98.5x128	3.8
DIN69871.50	275x150x198	11.4
CAT30	205x98.8x128	3.7
CAT40	205x98.5x128	3.8
CAT50	275x150x198	11.4

ER Spanner

ER 扳手

Mini



Model	B	L	Clamping Nut
ER8-M	7.5	70	ER8-M
ER11-M	11	90	ER11-M
ER16-M	15	110	ER16-M
ER20-M	19.5	120	ER20-M
ER25-M	25	130	ER25-M

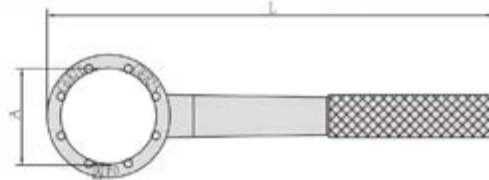
UM



Model	B	L	Clamping Nut
ER16-UM	26	180	ER16-UM
ER20-UM	30	190	ER20-UM
ER25-UM	37	210	ER25-UM
ER32-UM	46.5	250	ER32-UM
ER40-UM	58	290	ER40-UM
ER50-UM	74	350	ER50-UM

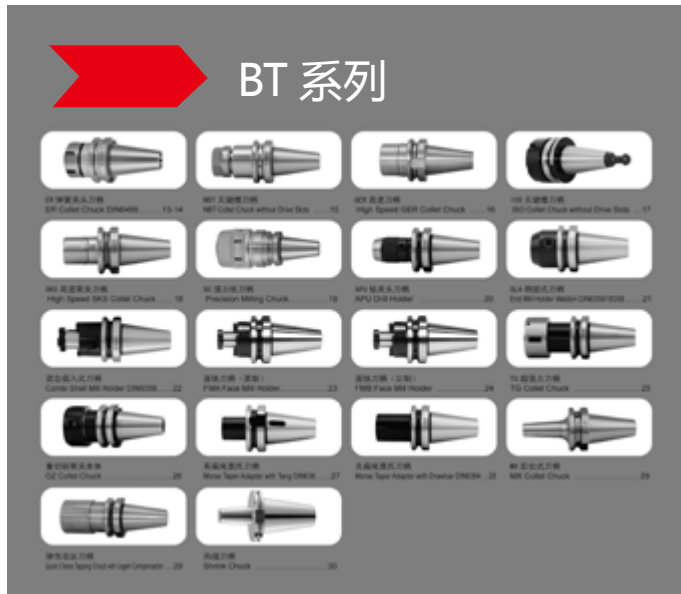
SKS Ball Spanner

SKS 滚珠扳手



Model	A	L	Wt(kg)
SKS06	19.5	120	0.24
SKS10	27.1	135	0.30
SKS16	40	180	0.70
SKS25	55	300	0.38
ER25-M	25	130	ER25-M

TOOL HOLDER MOBILE CABINET



NW40

RD-7033MA

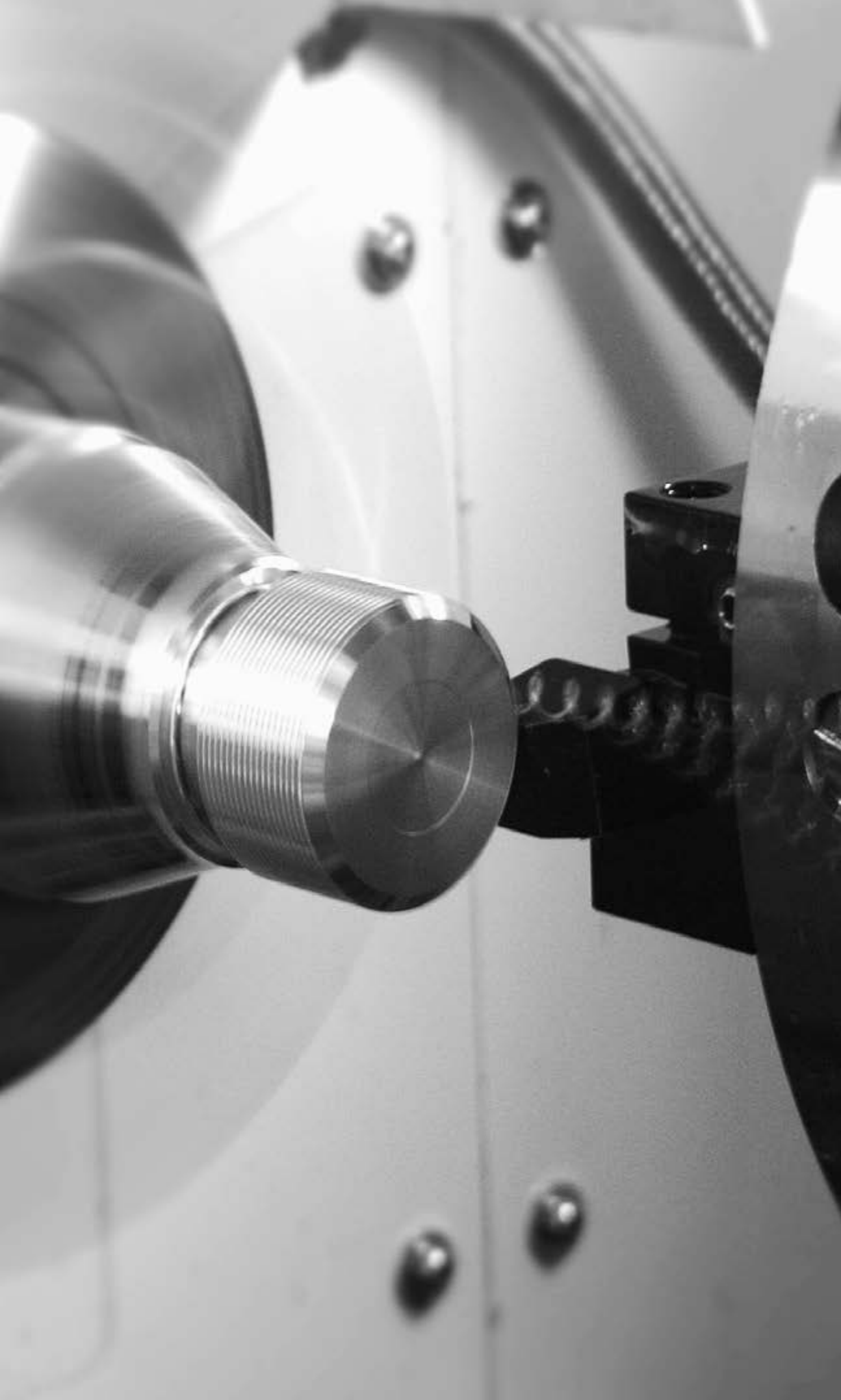
BT40/25/1

Model	NW40	RD-7033MA	BT40/25/1
Tool holder	43 pcs BT40	43 pcs BT40	35 pcs BT40
Packing size	810x640x330mm	600x600x1000mm	600x600x1000mm
N.W./G.W.	40/50 kg	40/50 kg	40/50 kg

刀库 Magazine

机床型号	机床编码	刀库形式	刀库容量	最大刀具重量	刀具最大尺寸		换刀时间	刀库型号
Machine type	Item No.	Magazine type	Capacity	Max load	Max diameter of tool		Tool change time	Part No.
F4	1104200	斗笠式 Turnable type	8T	6KG	满刀状态为 (with adjacent tool) Ø70mm	邻空刀状态为 (without adjacent tool) Ø110mm	6S	1914042
F80	1108000	斗笠式 Turnable type	10T	6KG	满刀状态为 (with adjacent tool) Ø104mm	邻空刀状态为 (without adjacent tool) Ø160mm	6S	1914080
F105	1110500	斗笠式 Turnable type	12T	6KG	满刀状态为 (with adjacent tool) Ø104mm	邻空刀状态为 (without adjacent tool) Ø160mm	6S	1914105
F150	1115000	圆盘式 Disc type	16T	8KG	满刀状态为 (with adjacent tool) Ø78mm	邻空刀状态为 (without adjacent tool) Ø120mm	2.5S	1914150
F210	1121000	圆盘式 Disc type	16T	8KG	满刀状态为 (with adjacent tool) Ø78mm	邻空刀状态为 (without adjacent tool) Ø120mm	2.5S	1914210
F300	1130000	圆盘式 Disc type	24T	8KG	满刀状态为 (with adjacent tool) Ø78mm	邻空刀状态为 (without adjacent tool) Ø120mm	2.5S	1914300
F500	1150000	圆盘式 Disc type	24T	8KG	满刀状态为 (with adjacent tool) Ø78mm	邻空刀状态为 (without adjacent tool) Ø200mm	2.5S	1914500
F600	1160000	圆盘式 Disc type	24T	18KG	满刀状态为 (with adjacent tool) Ø112mm	邻空刀状态为 (without adjacent tool) Ø200mm	3.5S	1914600
F800	1180000	圆盘式 Disc type	24T	18KG	满刀状态为 (with adjacent tool) Ø112mm	邻空刀状态为 (without adjacent tool) Ø200mm	3.5S	1914800

刀架 Tool post						
机床型号	机床编码	刀架形式	刀架工位数	刀具最大截面	镗刀直径	刀架型号
Machine type	Item No.	Type	Numbers of tool position	Section of tool(Max)	Boring tool diameter	Part No.
L28	1302800	electric	4	12×12mm	/	1953028
L28HS	1302900	servo	8	12×12mm	16mm	1953029
L33HS	1303400	electric	6/8	16×16mm	16mm	1953034
L34HS	1303500	servo	8	16×16mm	16mm	1953035
L40	1304000	electric	8	20×20mm	30mm	1953040
L50	1305000	electric	6/8	25×25mm	35mm	1953050
L400	1340000	electric	4	20×20mm	/	1953400
L44	1304400	hydraulic	8	20×20mm	25mm	1953044
L560	1356000	electric	4/6	25×25mm	/	1953560
L660	1366000	electric	6/8	32×25mm	/	1953660
S400E	1540000	hydraulic	8	25×25mm	35mm	1953400
S600E	1560000	hydraulic	8/10	25×25mm	35mm	1953600



CNC Lathes

CNC LATHE MACHINE

数控车床 L28/L28S CNC



小型车身数控车床，适合小批量生产以及培训所用。

Small-size CNC lathe, perfect for small series and training purpose

优质、高效、高性价比

- 机床导轨经过高频淬火 (HRC42-52)
- 冷却系统
- 自动润滑系统
- 二轴滚珠丝杆
- 伺服驱动
- 4 工位电动刀架
- 门带安全防护开关

Convincing arguments: quality, efficiency and price

- Bed guideways inductively hardened (HRC42-52)
- Coolant system
- Automatical lubricating system
- Ball screw in two axis
- Servo-drive
- 4-step electric turret
- Door equipped with a safety switch

标准附件:

- 三爪卡盘
- 死顶尖 MT2
- 各种扳手

Standard accessories:

- 3-jaw chuck
- Dead center MT2
- Various wrench

可选附件:

- 组合车刀
- 活顶尖 MT2

Optional accessories:

- Index turning tools
- Live center MT2

型号	Model	L28	L28S
产品编号	Code No.	1302800	1303000
机床电器	Electrical connection		
总功率	Total connection	3.5 KW	3.5 KW
主电机功率	Main motor power	2.2 KW	2.2 KW 400 V~50 Hz
冷却泵功率	Coolant pump power	40 W	40 W
加工范围	Capacity		
床身上最大回转直径	Swing over bed	Ø300 mm	Ø300 mm
拖板上最大回转直径	Swing over cross slide	Ø200 mm	Ø200 mm
两顶尖距离	Center width	600 mm	600 mm
中心高	Center height	140 mm	140 mm
主轴	Spindle		
主轴鼻端	Spindle nose	外锥 1:4	外锥 1:4
主轴内孔锥度	Spindle taper	MT4	MT4
主轴通孔直径	Spindle bore	Ø26 mm	Ø26 mm
主轴转速	Spindle speed range	30-4000 rpm	30-4000 rpm
卡盘	Lathe chuck	Ø125 mm	Ø125 mm
刀架	Tool changer		
刀架形式	Type	electric	electric
刀架工位数	Numbers of tool position	4	4
刀具最大截面	Section of tool (Max)	12×12 mm	12×12 mm
行程	Travel		
X轴	X axis	180 mm	180 mm
Z轴	Z axis	465 mm	465 mm
X轴快移速度	X axis rapid speed	6000 mm/min	3000 mm/min
Z轴快移速度	Z axis rapid speed	8000 mm/min	2500 mm/min
精度	Accuracy		
定位精度	Position accuracy	X:±0.05 mm,Z:±0.03 mm	X:±0.05 mm,Z:±0.03 mm
重复定位精度	Repeat position accuracy	X:±0.02 mm,Z:±0.02 mm	X:±0.02 mm,Z:±0.02 mm
尾座	Tailstock		
尾架锥度	Tailstock taper	MT2	MT2
尾架套筒直径	Tailstock sleeve diameter	Ø30 mm	Ø30 mm
尾架套筒行程	Tailstock sleeve travel	80 mm	80 mm
尺寸	Dimensions		
外形尺寸(长×宽×高)	Overall dimension(L×W×H)	1590×705×1515 mm	1590×705×1515 mm
包装尺寸(长×宽×高)	Packing size(L×W×H)	1830×945×1845 mm	1830×945×1845 mm
净重/毛重	Net weight/Gross weight	555/657 kg	800/900 kg
水箱容积	Tank capacity	25 L	25 L

CNC LATHE MACHINE

数控车床 L28HS CNC



优质、高效、高性价比

- 高速主轴单元
- 伺服主轴
- 伺服驱动
- 线轨
- 2 轴滚珠丝杆
- 自动润滑系统
- 冷却系统
- LED 工作灯

Convincing arguments: quality, efficiency and price

- High-speed spindle unit
- Servo-spindle
- Servo-drive
- Linear guide
- Ball screw in two axis
- Automatical lubricating system
- Coolant system
- LED lamp

标准附件:

- 扳手
- 变径套
- 普通顶尖
- 三爪卡盘

Standard accessories:

- Wrench
- Reduction sleeve
- Alloy center
- 3-jaw chuck

型号	Model	L28HS
产品编号	Code No.	1302900
机床电器	Electrical connection	
总功率	Total connection	3.5 KW
主电机功率	Main motor power	2.2 KW
冷却泵功率	Coolant pump power	95 W
加工范围	Capacity	
床身上最大回转直径	Swing over bed	ø300 mm
拖板上最大回转直径	Swing over cross slide	ø200 mm
两顶尖距离	Center width	600 mm
中心高	Center height	160 mm
主轴	Spindle	
主轴鼻端	Spindle nose	A2-3
主轴内孔锥度	Spindle taper	5C
主轴通孔直径	Spindle bore	ø30 mm
主轴转速	Spindle speed range	40-4000 rpm
卡盘	Lathe chuck	Ø125 mm
刀架	Tool changer	
刀架形式	Type	electric
刀架工位数	Numbers of tool position	6
刀具最大截面	Section of tool (Max)	16×16 mm
行程	Travel	
X轴	X axis	125 mm
Z轴	Z axis	465 mm
X轴快移速度	X axis rapid speed	6000 mm/min
Z轴快移速度	Z axis rapid speed	8000 mm/min
精度	Accuracy	
定位精度	Position accuracy	±0.03 mm
重复定位精度	Repeat position accuracy	±0.02 mm
尾座	Tailstock	
尾架锥度	Tailstock taper	MT2
尾架套筒直径	Tailstock sleeve diameter	ø30 mm
尾架套筒行程	Tailstock sleeve travel	80 mm
尺寸	Dimensions	
外形尺寸(长x宽x高)	Overall dimension(LxWxH)	1655x1265x1910 mm
包装尺寸(长x宽x高)	Packing size(LxWxH)	1855x1659x1931 mm
净重/毛重	Net weight/Gross weight	900/1050 kg
水箱容积	Tank capacity	25 L

细节展示 Details



- 普通刀架
- Normal turret

CNC LATHE MACHINE

数控车床 L33HS CNC



优质、高效、高性价比

- 机床导轨经过高频淬火 (HRC42-52)
- 高速主轴单元 (L33HS)
- 冷却系统
- 自动润滑系统
- 二轴滚珠丝杆
- 伺服驱动
- 6 工位电动刀架
- 门带安全防护开关

Convincing arguments: quality, efficiency and price

- Bed guideways inductively hardened (HRC42-52)
- High-speed spindle unit (L33HS)
- Coolant system
- Automatical lubricating system
- Ball screw in two axis
- Servo-drive
- 6-step electric turret
- Door equipped with a safety switch

标准附件:

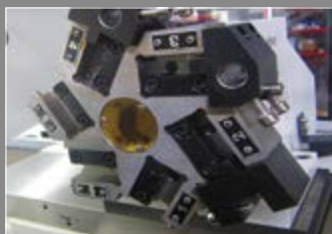
- 扳手
- 变径套
- 普通顶尖
- 三爪卡盘

Standard accessories:

- Wrench
- Reduction sleeve
- Alloy center
- 3-jaw chuck

型号	Model	L33HS
产品编号	Code No.	1303400
机床电器	Electrical connection	
总功率	Total connection	5 KW
主电机功率	Main motor power	3.7 KW
冷却泵功率	Coolant pump power	95 W
加工范围	Capacity	
床身上最大回转直径	Swing over bed	Ø330 mm
拖板上最大回转直径	Swing over cross slide	Ø152 mm
两顶尖距离	Center width	630 mm
中心高	Center height	165 mm
主轴	Spindle	
主轴鼻端	Spindle nose	A2-4
主轴内孔锥度	Spindle taper	1:20
主轴通孔直径	Spindle bore	Ø38 mm
主轴转速	Spindle speed range	30-4000 rpm
卡盘	Lathe chuck	Ø160 mm
刀架	Tool changer	
刀架形式	Type	electric
刀架工位数	Numbers of tool position	6
刀具最大截面	Section of tool (Max)	16×16 mm
行程	Travel	
X轴	X axis	165 mm
Z轴	Z axis	600 mm
X轴快移速度	X axis rapid speed	6000 mm/min
Z轴快移速度	Z axis rapid speed	8000 mm/min
精度	Accuracy	
定位精度	Position accuracy	±0.025 mm
重复定位精度	Repeat position accuracy	±0.01 mm
尾座	Tailstock	
尾架锥度	Tailstock taper	MT3
尾架套筒直径	Tailstock sleeve diameter	Ø45 mm
尾架套筒行程	Tailstock sleeve travel	120 mm
尺寸	Dimensions	
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	1900×1185×2126 mm
包装尺寸 (长x宽x高)	Packing size(LxWxH)	2060×1390×1815 mm
净重/毛重	Net weight/Gross weight	1250/1400 kg
水箱容积	Tank capacity	30 L

细节展示 Details



- 普通刀架
- Normal turret

CNC LATHE MACHINE

数控车床 L34HS CNC



优质、高效、高性价比

- 高速主轴单元
- 伺服主轴
- 伺服驱动
- 2轴滚珠丝杆
- 自动润滑系统
- 冷却系统
- LED工作灯

Convincing arguments: quality, efficiency and price

- High-speed spindle unit
- Servo-spindle
- Servo-drive
- Ball screw in two axis
- Automatical lubricating system
- Coolant system
- LED lamp

标准附件:

- 扳手
- 变径套
- 普通顶尖
- 三爪卡盘

Standard accessories:

- Wrench
- Reduction sleeve
- Alloy center
- 3-jaw chuck

型号	Model	L34HS
产品编号	Code No.	1303500
机床电器	Electrical connection	
总功率	Total connection	6.5 KW
主电机功率	Main motor power	3.7 KW
冷却泵功率	Coolant pump power	95 W
加工范围	Capacity	
床身上最大回转直径	Swing over bed	∅340 mm
拖板上最大回转直径	Swing over cross slide	∅152 mm
两顶尖距离	Center width	630 mm
中心高	Center height	170 mm
主轴	Spindle	
主轴鼻端	Spindle nose	A2-4
主轴内孔锥度	Spindle taper	1:20
主轴通孔直径	Spindle bore	∅38 mm
主轴转速	Spindle speed range	30-3500 rpm
卡盘	Lathe chuck	∅160 mm
刀架	Tool changer	
刀架形式	Type	electric
刀架工位数	Numbers of tool position	6
刀具最大截面	Section of tool (Max)	16×16 mm
行程	Travel	
X轴	X axis	185 mm
Z轴	Z axis	540 mm
X轴快移速度	X axis rapid speed	6000 mm/min
Z轴快移速度	Z axis rapid speed	8000 mm/min
精度	Accuracy	
定位精度	Position accuracy	±0.025 mm
重复定位精度	Repeat position accuracy	±0.01 mm
尾座	Tailstock	
尾架锥度	Tailstock taper	MT3
尾架套筒直径	Tailstock sleeve diameter	∅45 mm
尾架套筒行程	Tailstock sleeve travel	120 mm
尺寸	Dimensions	
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	1950x1430x1713 mm
包装尺寸 (长x宽x高)	Packing size(LxWxH)	2070x1650x2050 mm
净重/毛重	Net weight/Gross weight	1300/1500 kg
水箱容积	Tank capacity	30 L

细节展示 Details



- 普通刀架
- Normal turret

- 刀夹
- 2 个圆刀夹 ∅16mm
- 2 个方刀夹 16x16mm

CNC LATHE MACHINE

数控车床 L 40/50 CNC



优质、高效、高性价比

- 主轴采用高速、高精度 NSK 成组角接触球轴承支承，采用高速锂基脂润滑，温升低，免维护
- 主轴电机用高过载及高速专用主轴变频电机，输出扭矩特性好
- 采用全防护结构，防止切屑及冷却液的溅出

Convincing arguments: quality, efficiency and price

- Spindle high-speed, high-precision angular contact ball bearings into a set of support, high-speed lithium grease lubrication, lower temperature and maintenance-free
- Spindle motor with high overload and high-speed dedicated frequency spindle motor, the characteristics of output torque is good
- With full protective structure to prevent chips and coolant spill

标准附件:

- 润滑系统
- 冷却系统
- LED 工作灯
- 减震垫铁
- 工具一套
- 二圆一方刀夹

Standard accessories:

- Lubricating system
- Coolant system
- LED lamp
- Damping cushion
- 1 set of tools
- Tool-holder

可选附件:

- 对刀仪 (Renishaw)
- 液压卡盘，液压尾架

Optional accessories:

- Tool setting gauge
- Hydraulic chuck and hydraulic tail-stock

型号	Model	L40	L50
产品编号	Code No.	1304000	1305000
机床电器	Electrical connection		
总功率	Total connection	11 KW	11 KW / 15 KW
主电机功率	Main motor power	7.5 KW	9 KW
冷却泵功率	Coolant pump power	370 W	370 W
加工范围	Capacity		
床身上最大回转直径	Swing over bed	Ø400 mm	Ø500 mm
拖板上最大回转直径	Swing over cross slide	Ø240 mm	Ø250 mm
两顶尖距离	Center width	850 mm	850 mm
中心高	Center height	200 mm	250 mm
主轴	Spindle		
主轴鼻端	Spindle nose	A2-6	A2-8
主轴内孔锥度	Spindle taper	MT6	MT6
主轴通孔直径	Spindle bore	Ø66 mm(Ø51 mm)	Ø65 mm(Ø55 mm)
主轴转速	Spindle speed range	30-2500 rpm	30-3000 rpm
卡盘	Lathe chuck	Ø200 mm	Ø250 mm
刀架	Tool changer		
刀架形式	Type	electric	electric
刀架工位数	Numbers of tool position	6/8	6/8
刀具最大截面	Section of tool (Max)	20×20 mm	25×25 mm
行程	Travel		
X轴	X axis	240 mm	330 mm
Z轴	Z axis	750 mm	1000 mm
X轴快移速度	X axis rapid speed	6000 mm/min	5000 mm/min
Z轴快移速度	Z axis rapid speed	8000 mm/min	8000 mm/min
精度	Accuracy		
定位精度	Position accuracy	±0.025 mm	±0.025 mm
重复定位精度	Repeat position accuracy	±0.01 mm	±0.01 mm
尾座	Tailstock		
尾架锥度	Tailstock taper	MT4	MT4
尾架套筒直径	Tailstock sleeve diameter	Ø55 mm	Ø75 mm
尾架套筒行程	Tailstock sleeve travel	120 mm	150 mm
尺寸	Dimensions		
外形尺寸 (长×宽×高)	Overall dimension(LxWxH)	2540×1420×1750 mm	3320×1600×1830 mm
包装尺寸 (长×宽×高)	Packing size(LxWxH)	2760×1630×1953 mm	3520×1800×2030 mm
净重/毛重	Net weight/Gross weight	2400/2550 kg	3500/3750 kg
水箱容积	Tank capacity	110 L	200 L

细节展示 Details



- 普通刀架
- Normal turret

CNC LATHE MACHINE

数控车床 L400 CNC



优质、高效、高性价比

- 床身床脚采用整体铸件，刚性好
- 床身宽 400mm
- 中间排屑
- 主轴三支撑
- 滑轨、线轨供选
- 气动弹簧夹头、排刀供选
- 多种数控系统供选

标准配置:

- 变频主轴电机 5.5KW
- 二轴滑动导轨
- 四工位立式电动刀架
- 自动润滑、冷却系统
- 西门子 802C 数控系统
- 西门子 802S 数控伺服 V60 驱动

Convincing arguments: quality, efficiency and price

- Stand and base use full casting, good rigidity
- Bed way 400mm width
- Chip convey in the middle of bed
- 3 support in spindle
- Box, linear way for optional
- Pneumatic spring collet, gang tool for optional
- Multi-numerical control system for optional

Standard configuration

- Inverter spindle motor 5.5KW
- 2-axis slide guide
- 4-step vertical electric turret
- Auto lubrication and coolant system
- Siemens 802C numerical control system
- Siemens 802S numerical control servo V60 drive

可选附件:

- 变频主轴电机 7.5KW
- 主轴最大扭矩 95Nm
- 机床电气总容量 13.5Kva
- X轴滑动导轨、Z轴滚动导轨
- 六工位卧式电动刀架
- 排刀
- 西门子 802DSL 数控系统
- 中空液压卡盘
- 中实液压卡盘
- 气动卡盘

Optional accessories:

- Inverter spindle motor 7.5KW
- Max spindle torque 95Nm
- Power capacity 13.5Kva
- X-axis slide guide and Z-axis rolling guide
- 6-step horizontal electric turret
- Row tool
- Siemens 802DSL numerical control system
- Hydraulic chuck with through hole
- Hydraulic chuck without through hole
- Pneumatic chuck

型号	Model	L400 CNC
产品编号	Code No.	1340000
加工范围	CAPACITY	
床身上最大工件回转直径	Swing over bed	∅450 mm
拖板上最大工件回转直径	Swing over cross slide	∅220 mm
最大工件加工长度	Length of workpiece	600 mm
两顶尖中心距	Admits between	650 mm
主轴	SPINDLE	
主轴端部	Spindle nose	D1-6
主轴通孔直径	Spindle bore	∅52 mm
主轴内孔锥度	Taper of spindle bore	MT6
主轴转速范围	Range of spindle speed	200-2200 rpm
进给	FEEDS	
X轴行程	X-travel	250 mm
Z轴行程	Z-travel	685 mm
X轴快移速度(滑轨)	X rapid speed(Box way)	3000 mm/min
X轴快移速度(线轨)	X rapid speed(Linear way)	10000 mm/min
Z轴快移速度(滑轨)	Z rapid speed(Box way)	8000 mm/min
Z轴快移速度(线轨)	Z rapid speed(Lindear way)	12000 mm/min
最小设定单位	Min. Input	0.001 mm
重复定位精度(滑轨)	repositioning accuracy(Box way)	±0.006 mm
重复定位精度(线轨)	repositioning accuracy(Lindear way)	±0.004 mm
刀架工位数	Nos. of tool position	4
刀具最大截面	Max.section of tool	20X20 mm
尾座	TAILSTOCK	
尾座套筒直径	Quill diameter	∅60 mm
尾座套筒行程	Quill travel	160 mm
尾座套筒内孔锥度	Quill taper	MT4
电机	MOTOR	
主电机功率	Main motor power	5.5 KW
外形尺寸及重量	DIMENSION AND WEIGHT	
外形尺寸(长x宽x高)	Overall dimension(LxWxH)	2100X1200X2000 mm
包装箱尺寸(长x宽x高)	Packing size(LxWxH)	2200X1320X2220 mm
净重/毛重	NW/GW	1500/1600 kg

细节展示 Details



- 电气箱
- Electric-cabinet



- 普通刀架
- Normal turret

CNC LATHE MACHINE

数控车床 L44 CNC



优质、高效与高性价比

- SIEMENS 828Basic T 数控系统
- SIEMENS 主轴与伺服电机
- 安全 PLC 及门开关
- 带冷却系统
- 自动润滑系统
- 液压卡盘，液压尾座
- 液压刀架
- X、Z 轴电子手轮

Convincing arguments: quality, efficiency and price

- Siemens 828Basic T numerical control system
- Siemens spindle and servo motor
- Safety PLC and door-switch
- With coolant system
- Automatical lubricating system
- Hydraulic chuck and hydraulic tail-stock
- Hydraulic turret
- X and Z-axis electric hand-wheel

型号	Type	L 44 CNC
产品编号	Item No	1304400
电气容量	Electrical connection	
总电机功率	Total connection	18.5 kW 400 V ~50 Hz
主轴电机功率	Power of the spindle motor	8 kW (S1 mode 7 kW)
冷却泵功率	Coolant pump	270 W
水箱容积	Tank capacity	99 L
液压系统	Hydraulic system	
电机功率	Motor power	750 W
油箱容积	Tank capacity	50 L
加工范围	Machine data	
主轴中心高	Centre height	223 mm
主轴中心宽度	Centre width	850 mm
拖板上最大工件回转直径	Turning Ø over cross slide	Ø240 mm
床身上最大工件回转直径	Turning Ø over lathe bed	Ø446 mm
马鞍上最大工件回转直径	Turning Ø in the bed bridge	Ø520 mm
主轴	Spindle	
主轴转速	Spindle speed	3000 rpm
主轴锥度	Spindle taper	MT 6
主轴孔径	Spindle hole	Ø 52 mm
液压车床夹头	Hydraulic lathe chuck	Ø 160 mm
三爪卡盘规格	Jaw chuck passage	Ø 40 mm
主轴端部	Spindle seat	Camlock ASA 2-5"
换刀	Tool changer	
液压类型	Hydraulic type	VDI 30
刀库数量	Number of tools	8
夹持刀具宽度×高度	Seat height, seat width max.	20 x 20 mm
夹持刀具最大直径	Seat diameter max.	Ø25 mm
精度	Accuracy	
重复定位精度	Repeating accuracy	0.005 mm
定位精度	Positioning accuracy	± 0.005 mm
X轴	X axis	
行程	Travel	250 mm
进给速度	Feed speed	15000 mm/min
滚珠丝杆螺距	Ball screw	25 mm × P5 mm × C3
Z轴	Z axis	
行程	Travel	760 mm
进给速度	Feed speed	15000 mm/min
滚珠丝杆螺距	Ball screw	40 mm × P5 mm × C3
尾座	Tailstock	
尾座套筒内孔锥度	Tailstock seat	MT 4
尾座套筒尺寸	Tailstock - sleeve diameter	52 mm
尾座套筒行程	Tailstock - sleeve travel	165 mm
体积	Dimensions	
外形尺寸	Length x Width x Height (open)	2230x1580x1795 mm
总重量	Total weight	2100 kg

细节展示 Details



- 热交换器
- 避免电气和数控元器件过热产生故障
- Heat exchanger
- To avoid faulty because of electric and numeral control components over-heat



- 液压VDI30刀架
- Hydraulic VDI30 turret

L 440 / L 460

The **OPTIMUM PREMIUM** high performance CNC cycle lathes.

SIEMENS SINUMERIK 828D BASIC

- ▶ High-precision machine with the latest SIEMENS control and SIEMENS servo drives
- ▶ Compact spindle stock design
- ▶ High-speed spindle 4 500 rpm with high-precision and generously dimensioned taper roller bearings
- ▶ Shifting between the two gears occurs pneumatically via a compressed air cylinder
- ▶ Spindle stock design guarantees minimal noise development
- ▶ Wide machine bed with double-square guide rails, also for roughing work
- ▶ Bed rails tempered and polished
- ▶ Generously dimensioned tailstock and easily positionable with quick clamping mechanism
- ▶ Two separately movable sliding doors with integrated view windows at front
- ▶ Microswitch prevents starting the machine if the door is not fully closed
- ▶ RJ45 plug-in connection, USB connection and 230 V power connection
- ▶ Mobile control panel
- ▶ Two electronic hand wheels for manual control of the X and Z axis
- ▶ Automatic spindle stock lubrication
- ▶ Automatic lubrication of longitudinal and transverse slides
- ▶ Halogen work lamp
- ▶ Closed switch cabinet with integrated heat exchanger ensures an optimal temperature even in case of high ambient temperatures, and prevents dirt particle penetration
- ▶ Hard and soft block jaws
- ▶ Tailstock end cover
- ▶ Six machine feet
- ▶ Heat exchanger
- ▶ EMC Electromagnetic compatibility
- ▶ Including two years of SIEMENS warranty
- ▶ Information on „Warranty extension“ on page 113
- ▶ Information on „Maintenance contracts“ on page 175

PREMIUM



TECHNICAL DATA

Model	L 440	L 460
Article no.	3514410	3514420
Machine data		
Electrical connection	400 V / 3 Ph ~ 50 Hz	
Total connected load	25 kVA	
Spindle		
Drive motor S1 operation	11 kW	
Torque drive motor S1 operation	70 Nm	
Drive motor S6 30% operation	23 kW	
Torque drive motor S6 30% operation	148 Nm	
Spindle seat	DIN ISO 702-1 No. 6	
Spindle bore	Ø 65 mm*	
Chuck passage	Ø 52 mm	
Hydraulic lathe chuck	Ø 200 mm	
Cooling lubricant system		
Coolant pump motor	375 W	
Tank capacity	170 litres	
Hydraulic system		
Motor - hydraulic pump	750 W	
Tank capacity	50 litres	
Machine data		
Centre height	235 mm	
Centre width	1 000 mm	1 500 mm
Swing over cross slide	Ø 240 mm	
Swing diameter over machine bed	Ø 475 mm	
Swing in the bed bridge	Ø 710 mm	
Speed range		
Speeds 1st gear / 2nd gear	100 - 950 rpm / 900 - 4 500 rpm	
Torque stage 1/stage 2	525 Nm / 382 Nm	
Tool turret		
Hydraulic type	LS 160 VDI 40	
Number of tool slots	8 tools	
Max. chuck height, width square	25 x 25 mm	
Max. chuck diameter drilling rod	Ø 32 mm	
Option: Baruffaldi tool turret	(Article no.: 351441012)	(Article no.: 351442012)
Number of tool slots	8 tools	
Type (hydraulic)	Baruffaldi VDI40 - TBMA- 160 with tool drive	
Max. permissible speed at tool coupling	max. 4 500 rpm	
Tool output	5 kW (S3 - 40% duty cycle 10 min.)	
Max. tool torque	20 Nm	
Precision		
Repetition accuracy	± 0.005 mm	
Positioning accuracy	± 0.005 mm	
Travel		
X axis	260 mm	
Z axis	1 150 mm	1 680 mm
Feed speed		
X axis/Y axis	15 000 mm/min	
Motor torque		
X axis	6 Nm	
Z axis	16 Nm	
Tailstock		
Tailstock chuck	MT 4	
Tailstock quill diameter	Ø 65 mm	
Tailstock - quill stroke	150 mm	
Dimensions		
Length x width x height	3 030 x 1 952 x 2 025 mm	3 530 x 1 952 x 2 025 mm
Overall weight	3 000 kg	3 450 kg

Sinumerik 828D system software	PPU 240 SW 24	PPU 290 SW 26
CNC memory	3 MB	5 MB
Set change time	3 ms	2 ms
Look Ahead	50	100
Number of tools	128	256

* depending on installed lathe chuck

SINUMERIK 828D Basic High-tech for the compact class

The device of choice for any machining technology

- State-of-the-art processor technology and software architecture form the basis for 80-bit NANOP precision (80-bit floating point precision)
- Premium, robust operator manels made of die-cast magnesium with IP65 degree of protection
- Maintenance-free front control panel (no fan, battery, hard disk or similar)
- ShopTurn: shortest programming time for creating one-off parts and small batches

Control system

- 10.4" colour display
- 4:3 format
- User-friendly SINUMERIK Operate software
- Front interfaces: USB 2.0, RJ45 Ethernet, Compact Flash (CF) Card
- The 8 horizontal and 8 vertical soft keys take the user to all control windows with just a few key presses
- Rugged and robust



INCLUDING

- Safety Integrated
- Residual material detection and machining
- Shopturn work step programming
- Managing network drives
- 3-D simulation
- Logging

Warranty extension

The warranty extension lets you protect your new machine against warranty damage for a further 12, 24 or 36 months after the two-year SIEMENS warranty expires. (can only be ordered within the two-year SIEMENS warranty)

12 months - Article no. 3589020

24 months - Article no. 3589021

36 months - Article no. 3589022

Siemens

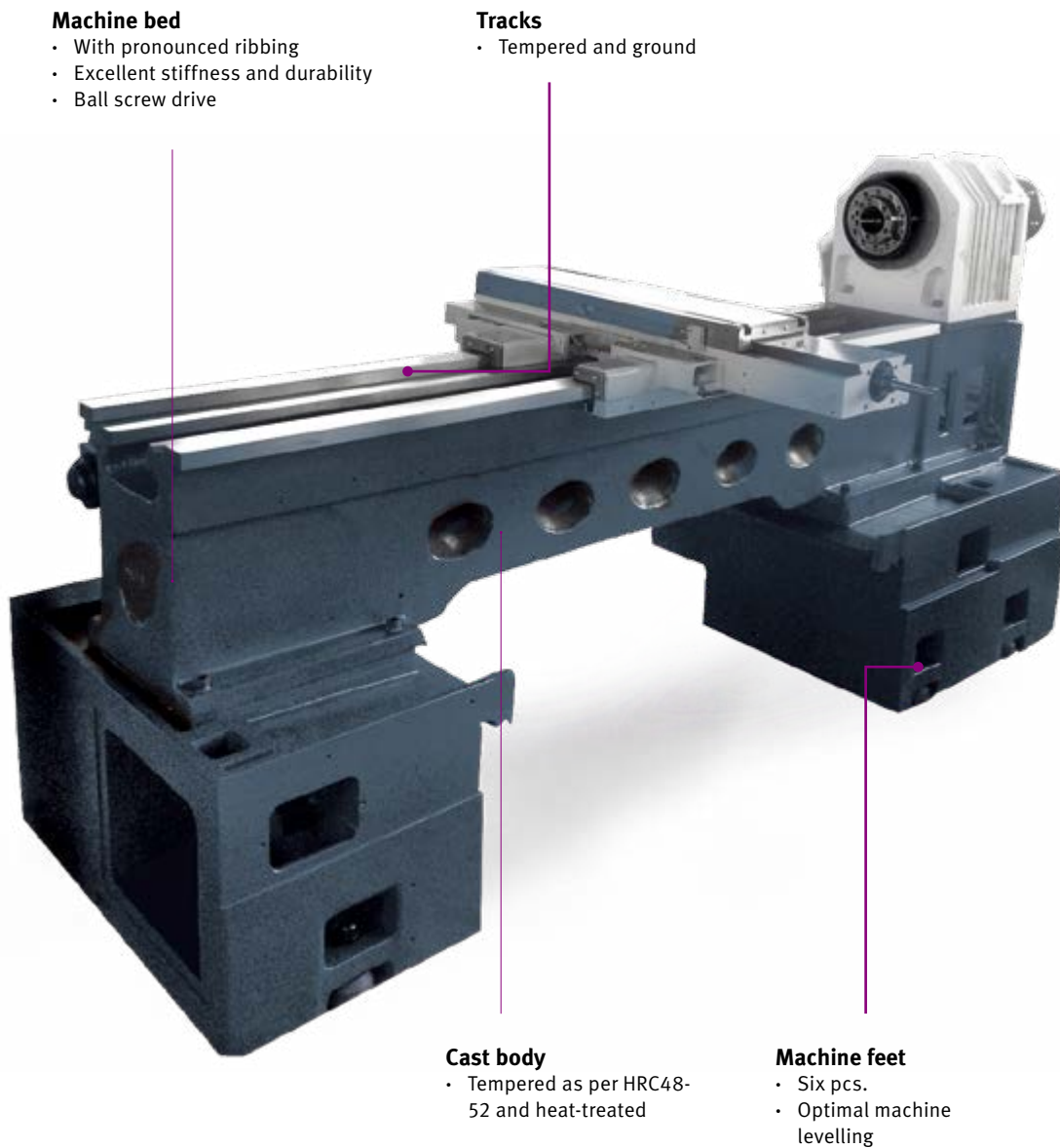
SAFETY INTEGRATED

Set up work with open doors

Functional safety also provides protection against high costs!

- Avoiding the direct consequential cost of injury to persons
- Avoiding the indirect consequential cost of injuries
- Improved productivity thanks to increased machine availability: less unplanned downtime and more trouble-free production
- Longer period of use for system
- Improvement in global competitiveness thanks to boosting the export capability of machines

OPTIMUM - OPTiturn L 440 / L 460





MACHINE BED

- ▶ Particularly wide design
- ▶ Ball screw drive for excellent repetition accuracy



SPINDLE STOCK

- ▶ Precision borne
- ▶ Rugged design
- ▶ Smooth action even at high spindle speeds



HEAT EXCHANGER

- ▶ Closed switch cabinet with smart cooling management ensures an optimal temperature even in case of high ambient temperatures



SPEED CHANGER

- ▶ Pneumatic
- ▶ Automatic
- ▶ The shaft runs in sintered bronze thus guaranteeing excellent precision



AUTOM. LUBRICATION SYSTEM

- ▶ Automatic spindle stock lubrication
- ▶ Automatic lubrication of longitudinal and transverse slides



TOOL TURRET

- ▶ Eight tool slots
- ▶ Hydraulic VDI40 tool turret
- ▶ Max. chuck height 25 mm
- ▶ Max. chuck diameter 32 mm



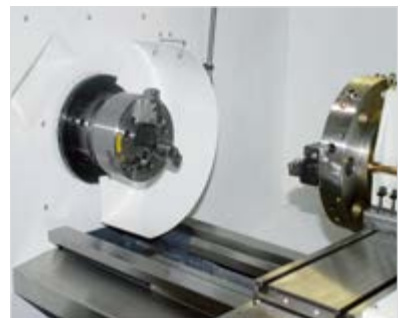
TAILSTOCK

- ▶ Generously dimensioned
- ▶ Slide with ball screw and pre-stressed nut



HYDRAULIC POWER UNIT

- ▶ For clamping jaws, lathe chuck and tool turret
- ▶ Motor output 750 W
- ▶ Tank capacity 50 litres
- ▶ Clamping pressure/operating pressure 2 500 - 2 942 kPa



THREE-JAW CHUCK

- ▶ Hydraulic three-jaw lathe chuck Ø 200 mm
- ▶ Passageway Ø 52 mm
- ▶ Easy workpiece clamping

OPTIMUM - OPTiturn L 440 / L 460

L440	L460			
Tool turret and C axis (Please note: travel can change)				
351441012	351442012	1	Tool turret Baruffaldi TBMA160 VDI40	<ul style="list-style-type: none"> 8 tool slots, hydraulic Instead of standard equipment > tool turret LS160
351441017	351442017		C axis brake system	<ul style="list-style-type: none"> only with tool turret Baruffaldi TBMA 160 VDI40 (3514410 12/351442012)
Tailstock				
351441019	351442019	2	Machine preparation	<ul style="list-style-type: none"> Hydraulic tailstock spindle
351441021	351442021		Hydraulic tailstock spindle	
351441023	351442023		Pneumatic lifting device for the tailstock	<ul style="list-style-type: none"> Pneumatic air cushion, reduces friction thus facilitating tailstock movement
351441022	351442022		Device for travelling tailstock	<ul style="list-style-type: none"> Tailstock and support are linked for motion
Bar feeder				
351441037	351442037	3	Bar feeder interface	<ul style="list-style-type: none"> Preparation
351441033	351442033		Bar feeder Pro V 65E 1.2 metres	<ul style="list-style-type: none"> Including bar feeder interface (351441037/351442037)
351441034	351442034		Bar feeder Pro V 65LE 1.5 metres	<ul style="list-style-type: none"> Including bar feeder interface (351441037/351442037)
351441038	351442038		Bar feeder Pro Conqueror 3 metres	<ul style="list-style-type: none"> Including bar feeder interface (351441037/351442037)
Miscellaneous				
351441001	351442001	4	Internal tool cooling	<ul style="list-style-type: none"> External unit (we recommend an extraction unit)
351441007	351442007	5	Oil separator	<ul style="list-style-type: none"> With rotary disc, removes oil from the coolant
351441013	351442013	6	High performance coolant pump	<ul style="list-style-type: none"> 5 bar
351441014	351442014		Air conditioner	<ul style="list-style-type: none"> Instead of standard equipment > heat exchanger
351441016	351442016	7	Tool holder set	<ul style="list-style-type: none"> for the LS160 tool turret included in standard equipment - Only for standard changer, not VDI
351441020	351442020		Portable electronic handwheel	<ul style="list-style-type: none"> Instead of standard equipment > electronic handwheel (cannot be combined with joystick 351441002 / 351442002)
351441002	351442002		Joystick	<ul style="list-style-type: none"> cannot be combined with electronic handwheel 351441(2)0 20
351441003	351442003		Fixed steady	<ul style="list-style-type: none"> Passageway \varnothing 20 - \varnothing 200 mm
351441004	351442004		Travelling steady	<ul style="list-style-type: none"> Passageway \varnothing 20 - \varnothing 100 mm
351441005	351442005		Chip conveyor	<ul style="list-style-type: none"> L 440: 1.0 metre - L 460: 1.5 metres
351441006			Chip carriage	<ul style="list-style-type: none"> Rollable, folding, L x W x H: 994 x 510 x 838 mm
3582081		Renishaw measuring arm HPPA	<ul style="list-style-type: none"> More information on „Renishaw“ from page 164 	
Software 9				
3584014		Software DXF Viewer/Reader	<ul style="list-style-type: none"> from version 4.7 	
Hardware 8				
351442080		Siemens control PPU 290	<ul style="list-style-type: none"> 15.6" colour display- 16:9 format, Software SW 26 	
Lathe chuck				
351441008	351442008		Three-jaw lathe chuck	<ul style="list-style-type: none"> manual \varnothing 200 mm
351441011	351442011		Four-jaw lathe chuck	<ul style="list-style-type: none"> manual \varnothing 250 mm
351441028	351442028		Three-jaw lathe chuck hydraulic \varnothing 250 mm	<ul style="list-style-type: none"> instead of standard equipment > three-jaw lathe chuck hydraulic \varnothing 200 mm
351441031	351442031		Four-jaw lathe chuck hydraulic \varnothing 250 mm	<ul style="list-style-type: none"> instead of standard equipment > three-jaw lathe chuck hydraulic \varnothing 200 mm
3519707			Soft top jaw	<ul style="list-style-type: none"> for the factory standard > three-jaw lathe chuck hydraulic \varnothing 200 mm
3519727			Hard insert jaws	<ul style="list-style-type: none"> for the factory standard > three-jaw lathe chuck hydraulic \varnothing 200 mm
3519708			Soft top jaw	<ul style="list-style-type: none"> for the three-jaw lathe chuck hydraulic \varnothing 250 mm (351441028) for the four-jaw lathe chuck hydraulic \varnothing 250 mm (351441031)
3519728			Hard insert jaws	<ul style="list-style-type: none"> for the three-jaw lathe chuck hydraulic \varnothing 250 mm (351441028) for the four-jaw lathe chuck hydraulic \varnothing 250 mm (351441031)

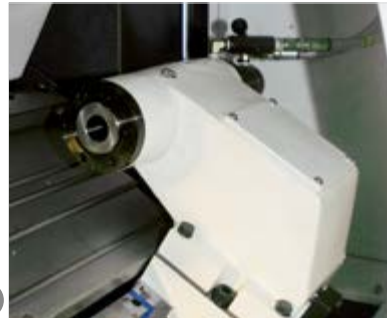


1

TOOL TURRET

Optionally

- ▶ VDI 30 or VDI 40
- ▶ With or without driven tools
- ▶ Driven speed Tools 6 000 rpm
- ▶ 12 tools
- ▶ Collet h x w square max. 25 x 25 mm



2

TAILSTOCK

- ▶ Fully automatic, easily configurable tailstock ensures tailstock motion with improved repetition accuracy and precision



3

BAR FEEDER

- ▶ Pro V 65E: Bar length 1 200 mm, loading weight 250 kg
- ▶ Pro V 65LE: Bar length 1 500 mm, loading weight 280 kg
- ▶ Conqueror: Bar length 3 020 mm, loading weight 400 kg



4

INTERNAL TOOL COOLING

- ▶ External power unit
- ▶ Tank capacity 165 litres
- ▶ Pressure 20 bar



5

OIL SEPARATOR

- ▶ Separates third party oil from coolant emulsion
- ▶ The third-party oil in the coolant shortens the tool service life



6

AIR CONDITIONER

- ▶ Instead of heat exchanger



7

Steady rests

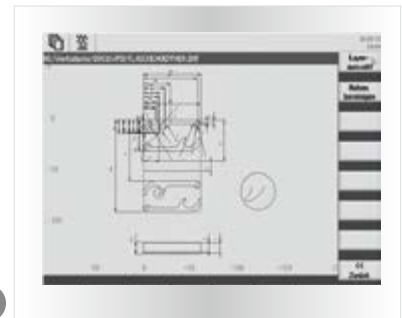
- ▶ Fixed and travelling steadies available



8

CONTROL PPU 290

- ▶ Capacitive display with Multi-Touch controller
- ▶ Intuitive Multi-Touch control
- ▶ Soft key selection via touch function
- ▶ Software SW 26



9

DXF READER

- ▶ DXF data can be converted to NC programs for drilling patterns and contours

CNC LATHE MACHINE

数控车床 L560/L660 CNC



▪ L 560 CNC



▪ L 660 CNC

优质、高效、高性价比

- 齿轮换挡，变频调速，主轴变速范围广，低速扭矩大
- 整体床脚，刚性高，精度稳定

Convincing arguments: quality, efficiency and price

- Range of gear wheel shift, variable frequency control and speed change is wide, torque in low-speed is big
- Whole stand, high rigidity, stable precision

标准配置:

- 西门子 808D 控制系统
- $\Phi 250$ 三爪卡盘
- 6 工位卧式电动刀架
- 自动润滑系统
- 双拉门

Standard configuration

- Siemens 808D numerical control system
- $\Phi 250$ 3-jaw chuck
- 6-step horizontal electric turret
- Automatic lubricating system
- Dual-sliding door

标准附件:

- 油枪
- 变径套及顶尖
- 扳手
- 八工位卧式电动刀架

Standard accessories:

- Oil-gun
- Reduction sleeve and live center
- Wrench
- 8-step horizontal electric turret

可选附件:

- 中空液压卡盘 $\phi 250\text{mm}$
- 套装数控可转位组合车刀
- GSK988T 数控系统
- Fanuc Oi mate 数控系统
- CE 标准

Optional accessories:

- Hydraulic chuck with inside empty
- CNC rotaty turning tool
- GSK988T numeral control system
- Fanuc oi mate numeral control system
- CE standard

型号	Model	L560 CNC x 1000/1500	L660 CNC x 1500/2000
产品编号	Code No.	1356000/1356100	1366000/1366100
加工范围	CAPACITY		
床身上最大工件回转直径	Swing over bed	∅560 mm	∅660 mm
拖板上最大工件回转直径	Swing over cross slide	∅355 mm	∅440 mm
两顶尖中心距	Admits between	1000 mm/1450 mm	1500 mm
主轴	SPINDLE		
主轴端部	Spindle nose	D1-8	D1-8
主轴通孔直径	Spindle bore	∅80 mm	∅105 mm
主轴内孔锥度	Taper of spindle bore	MT7	∅113(1:20)
主轴转速范围	Range of spindle speed	32-2000 rpm	15-1500 rpm
进给	FEEDS		
X轴行程	X-travel	315 mm	370 mm
Z轴行程	Z-travel	1340 mm	1460 mm
X轴快移速度	X rapid speed	3000 mm/min	7500 mm/min
Z轴快移速度	Z rapid speed	6000 mm/min	9000 mm/min
最小设定单位	Min. Input	0.001 mm	0.001 mm
X向定位精度	X positioning accuracy	±0.01 mm	±0.015 mm
Z向定位精度	Z positioning accuracy	±0.015 mm	±0.02 mm
X向重复定位精度	X repositioning accuracy	±0.006 mm	±0.006 mm
Z向重复定位精度	Z repositioning accuracy	±0.01 mm	±0.01 mm
刀架工位数	Nos. of tool position	6	6 or 8
刀具最大截面	Max.section of tool	25X25 mm	32X32 mm
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	∅75 mm	∅90 mm
尾座套筒行程	Quill travel	∅180 mm	∅235 mm
尾座套筒内孔锥度	Quill taper	MT5	MT5
电机	MOTOR		
主电机功率	Main motor power	7.5 KW	7.5 KW
冷却泵功率	Coolant pump power	0.09 KW	0.09 KW
外形尺寸及重量	DIMENSION AND WEIGHT		
外形尺寸(长x宽x高)	Overall dimension(LxWxH)	3100x1220x1930 mm	3120x1900x1870 mm
包装箱尺寸(长x宽x高)	Packing size(LxWxH)	3400x1400x2240 mm	3300x2300x2200 mm
净重/毛重	NW/GW	2350/2750 kg	2100/3600 kg

细节展示 Details



- 尾架
- Tail-stock



- 冷却水箱
- Coolant tank

CNC LATHE MACHINE

数控车床 S400E/S600E CNC

(Slant bedway 斜床身)



优质、高效、高性价比

- 高强度树脂砂铸件，床身稳定可靠
- 欧盟级安全标准
- 进口线轨、滚珠丝杆、精密螺母，高精度主轴轴承
- 配动力刀塔，实现车铣复合式加工
- 配西门子 828D 系统及全套西门子驱动电机，实现高精度、高性能
- 机床配自动润滑系统、自动排屑机构等
- 可选配自动送料机等辅助设备，实现机床的自动化，无人值守
- 机床选配功能丰富，可满足不同客户的要求

Convincing arguments: quality, efficiency and price

- Strong resin sand casting with lathe bed more stable and reliable
- Conform to European Safety Standards
- Imported linear-guide, ball-screw, precision-nut and high-precision spindle bearing
- Equipped with power-turret which can realize the turning & milling composite machining
- Siemens 828D numerical control system and full-set of Siemens driver-motor which can realize high-precision and high-performance
- Automatic lubricating system and automatic chip conveyor etc
- For optional have auxiliary equipment (such as automatic feeder machine) which can realize machine automation and unattended operation
- For optional have rich function which can satisfy the requirement of various customers

细节展示 Details



- 液压尾座
- Hydraulic tail-stock



- Renishaw 刀具测量探头(可选)
- Tool measuring sensor (Optional)



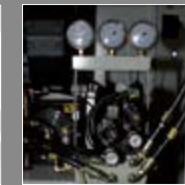
- 排屑机及小车(可选)
- Chip conveyor and cart (Optional)



- S400E
- 液压刀架
- 动力刀架(可选)
- Hydraulic turret
- Electric turret (Optional)



S600E



- 液压站
- Hydraulic station



- 自动润滑泵
- 折叠式
- Auto-lubrication pump
- Folding-type

型号	Type	S400E CNC	S600E CNC
产品编号	Code No.	1540000	1560000
床身上最大回转直径	Swing over bed	Ø450 mm	Ø500 mm
拖板上最大回转直径	swing over cross slide	Ø220 mm	Ø250 mm
行程	Travel		
X轴	X axis	230 mm	250 mm
Z轴	Z axis	530 mm	850 mm
主轴	Spindle		
主轴通孔直径	Spindle hole diameter	Ø51 mm (可选optional Ø79 mm)	Ø51 mm (可选optional Ø79 mm)
主轴转速	Spindle speed	4500 rpm (可选optional 3000 rpm)	4500 rpm (可选optional 3000 rpm)
电机功率	Motor Power	7.5 KW (可选optional 12/15 KW)	12 KW
轴向进给率	Axes feed rate		
X轴快速进给率	X axis Rapid feed	12 m/min	12 m/min
Z轴快速进给率	Z axis Rapid feed	10 m/min	10 m/min
精度	Accuracy		
定位精度	Positioning accuracy	±0.025 mm	±0.025 mm
重复精度	Repeatability accuracy	±0.01 mm	±0.01 mm
切削能力	Capacity		
刀具最大截面	Max. section of tool	25x25 mm	25x25 mm
最大切削直径	Max. turning diameter(with turret)	Ø400 mm	Ø420 mm
最大切削长度	Max. turning length(with turret)	430 mm	750/1000 mm
床身斜度 (角度)	Slant bed degree	45°	45°
尾座	Tailstock		
套筒行程	Quill travel	100 mm	100 mm
套筒直径	Quill diameter	Ø72 mm	Ø72 mm
套筒锥度	Quill inside taper	MT4	MT4
冷却	Coolant		
电机	Pump motor	650 W	650 W
水箱容量	Tank capacity	200 L	250 L
外形尺寸及重量	Dimensions and weight		
外形尺寸	Dimension	3650x1410x1760 mm	3970x1600x1860 mm
包装尺寸	Packing size	2816x2240x1998 mm	3140x2430x2100 mm
净重/毛重	Net weight/Gross weight	3500/4100 kg	4000/4500 kg



标准附件

- 25mm 圆刀夹两个
- 25x25mm 方刀夹一个

Standard accessories

- tool holder for round tool 25 mm
- tool holder for square tool 25 x 25 mm

CNC LATHE MACHINE

数控车床 S400PS/S600PS CNC

(Slant bedway 斜床身)



LS-120SP (S400PS 配 LS-120SP)

VDI $\varnothing 20,12$ tools center Dia. $\varnothing 240$ mm
Turret center height 63 mm
VDI $\varnothing 20,12$ 刀, 刀具中心 $\varnothing 240$ mm
刀塔中心高 63 mm

SERVO TURRET:

- Mitsubishi Servomotor:HG-KR43JK;Gear ratio 1-48
- Hydraulic power source:P=30kg/cm²;
Hydraulic cylinder clamping force 1640kg

POWERED TOOL HOLDER:

- Tool shank specifications:DIN5480 W11 \times 0.8 and zero detent system
- Max. tool speed:5000 rpm.
- Spindle motor specification:Mitsubishi SJ-PF2.2-01 1.5/2.2 KW
Fanuc $\alpha 1.5$ 1.1/2.2 KW
- Tool and motor transmission gear ratio 1:1

伺服刀塔部分:

- 三菱伺服马达:HG-KR43JK;齿比1-48
- 油压动力源:P=30kg/cm²;油缸夹持力1640kg

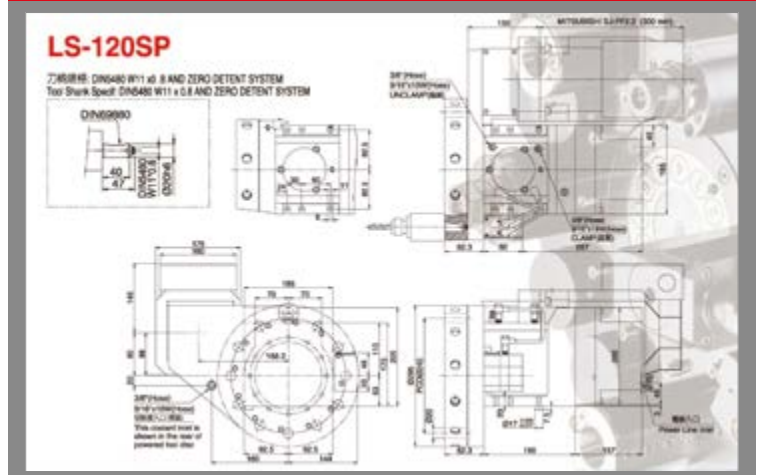
动力刀盘部分:

- 刀柄规格 :DIN5480 W11 \times 0.8 and zero detent system
- 刀具最高转速:5000 rpm.
- 主轴马达规格:Mitsubishi SJ-PF2.2-01 1.5/2.2 KW
Fanuc $\alpha 1.5$ 1.1/2.2 KW
- 刀具与马达传动齿比1:1



LS-120SP

Dimensions



型号	Type	S400PS CNC	S600PS CNC
产品编号	Code No.	1540100	1560100
床身上最大回转直径	Swing over bed	Ø450 mm	Ø500 mm
拖板上最大回转直径	swing over cross slide	Ø220 mm	Ø250 mm
行程	Travel		
X轴	X axis	230 mm	250 mm
Z轴	Z axis	530 mm	850 mm
主轴	Spindle		
主轴通孔直径	Spindle hole diameter	Ø51 mm (可选optional Ø79 mm)	Ø51 mm (可选optional Ø79 mm)
主轴转速	Spindle speed	4500 rpm (可选optional 3000 rpm)	4500 rpm (可选optional 3000 rpm)
电机功率	Motor Power	9 KW	12 KW
轴向进给率	Axes feed rate		
X轴快速进给率	X axis Rapid feed	12 m/min	12 m/min
Z轴快速进给率	Z axis Rapid feed	10 m/min	10 m/min
精度	Accuracy		
定位精度	Positioning accuracy	±0.025 mm	±0.025 mm
重复精度	Repeatability accuracy	±0.01 mm	±0.01 mm
切削能力	Capacity		
刀具最大截面	Max. section of tool	25x25 mm	25x25 mm
最大切削直径	Max. turning diameter(with turret)	Ø400 mm	Ø400 mm
最大切削长度	Max. turning length(with turret)	430 mm	750 mm
床身斜度 (角度)	Slant bed degree	45°	45°
尾座	Tailstock		
套筒行程	Quill travel	100 mm	100 mm
套筒直径	Quill diameter	Ø72 mm	Ø72 mm
套筒锥度	Quill inside taper	MT4	MT4
冷却	Coolant		
电机	Pump motor	650 W	650 W
水箱容量	Tank capacity	200 L	250 L
外形尺寸及重量	Dimensions and weight		
外形尺寸	Dimension	3650x1410x1760 mm	3970x1600x1860 mm
包装尺寸	Packing size	2816x2240x1998 mm	3140x2430x2100 mm
净重/毛重	Net weight/Gross weight	3600/4100 kg	4100/4600 kg

LS-160SP (S600PS 配 LS-160SP)

VDI Ø30,12 tools center Dia.Ø270 mm
Turret center height 80 mm
VDI Ø30,12 刀, 刀具中心 Ø270 mm
刀塔中心高 80 mm

SERVO TURRET:

- Mitsubishi Servomotor:HG-SP102JK;Gear ratio 1/24
- Hydraulic power source:P=30kg/cm²;
- Hydraulic cylinder clamping force 2500kg

POWERED TOOL HOLDER:

- Tool shank specifications:DIN5480 W16×0.8 and zero detent system
- Max. tool speed:5000 rpm.
- Spindle motor specification:Mitsubishi SJ-PF3.7-01 2.2/3.7 KW
Fanuc α 2 2.2/3.7 KW
Siemens 1FT6084-8AK71/4.1 KW
- Tool and motor transmission gear ratio 1:1

伺服刀塔部分:

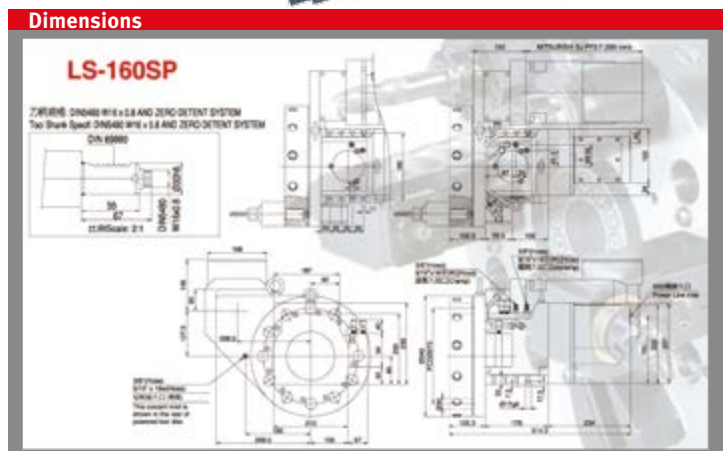
- 三菱伺服马达:HG-SR102JK;齿比1/24
- 油压动力源:P=30kg/cm²;油缸夹持力2500kg

动力刀盘部分:

- 刀柄规格 :DIN5480 W16×0.8 and zero detent system
- 刀具最高转速:5000 rpm.
- 主轴马达规格:Mitsubishi SJ-PF3.7-01 2.2/3.7 KW
Fanuc α 2 2.2/3.7 KW
Siemens 1FT6084-8AK71/4.1 KW
- 刀具与马达传动齿比1:1



LS-160SP



S 500 / S 500L S 750K / S 750

OPTIMUM PREMIUM CNC lathes impress with high speeds, precision and efficiency and with additional equipment such as chip conveyors and a C axis

SIEMENS SINUMERIK 828D

- ▶ Rugged and heavy "Cartridge" spindle system with one two-row cylinder roller bearing each at the front and back, and a double-side taper bearing in the centre
- ▶ Long service life of all bearings thanks to permanent lubrication
- ▶ All axes with SIEMENS servomotors
- ▶ All axes directly driven to eliminate torsion backlash or for greater precision in thread tapping and contour machining
- ▶ Doubly pre-stressed ball screw spindles with low helix slope to increase feed force
- ▶ Fast turret head switching - releasing and rotation occur practically at the same time
- ▶ Turret head switching occurs non-stop bi-directionally
- ▶ Programmable tailstock where the spindle sleeve is activated with the pedal or in the program
- ▶ Tailstock body can be positioned with a drive rod
- ▶ Portable electronic handwheel
- ▶ Hydraulic tool turret by Sauter with driven tools
- ▶ Automatic door opening with monitoring
- ▶ Coolant system
- ▶ Heat exchanger
- ▶ Bar feeder interface
- ▶ Chip conveyor and chip trolley
- ▶ Automatic Renishaw tool measuring arm for tool measuring
- ▶ Programmable part catcher
- ▶ Including two years of SIEMENS warranty
- ▶ Information on „Warranty extension“ on page 89
- ▶ Information on „Maintenance contracts“ on page 175

PREMIUM



TECHNICAL DATA

Model	S 500	S 500L	S 750K	S 750
Article no.	3515150	3515152	3515172	3515170
Machine data				
Electrical connection	400 V / 3 Ph ~ 50 Hz			
Total connected load	50 kVA		62.5 kVA	
Spindle				
Drive motor S1 operation	17 kW		30 kW	
Torque drive motor S1 operation	162 Nm		186 Nm	
Drive motor S6 30% operation	25.5 kW		45 kW	
Torque drive motor S6 30% operation	463 Nm		1 064 Nm	
Spindle seat	DIN ISO 702-1 No. 6		DIN ISO 702-1 No. 8	
Spindle bore	Ø 66 mm*		Ø 88 mm*	
Chuck passage	Ø 52 mm		Ø 77 mm	
Hydraulic lathe chuck	Ø 200 mm		Ø 250 mm	
Cooling lubricant system				
Coolant pump output	750 W			
Tank capacity	185 litres			
Hydraulic system				
Output of hydraulic pump	1.5 kW			
Tank capacity	70 litres			
Machine data				
Centre height	600 mm			
Max. turning diameter	Ø 485 mm			
Max. turning length* with tool turret	750 mm	1 250 mm	750 mm	1 250 mm
Swing over cross slide	Ø 450 mm			
Swing diameter over machine bed	Ø 600 mm			
Angled bed	45°			
Speed range				
Spindle speeds	10 - 4 500 rpm		10 - 3 000 rpm	
Tool turret				
Hydraulic type	Sauter VDI 40 with tool drive			
Number of tool slots	12 tools			
Max. permissible speed at tool coupling	max. 4 500 rpm			
Tool output	4.82 kW			
Max. tool torque	20 Nm			
Max. chuck height, width square	25 x 25 mm			
Max. chuck diameter drilling rod	Ø 32 mm			
Precision				
Repetition accuracy	± 0.005 mm			
Positioning accuracy	± 0.005 mm			
Travel				
X axis	305 mm			
Z axis	750 mm	1 250 mm	750 mm	1 250 mm
Y axis (optional)	+/- 50 mm			
Feed speed				
X axis/Y axis	24 000 mm/min			
Motor torque				
X axis	11 Nm			
Z axis	27 Nm			
Tailstock				
Tailstock chuck	MT 5			
Travel	650 mm	1 150 mm	650 mm	1 150 mm
Tailstock quill diameter	90 mm			
Tailstock - quill stroke hydraulic	120 mm			
Dimensions				
Length with/without chip conveyor	3 015 mm	4 114 mm	3 515 mm	4 614 mm
width x height	1 856 x 2 016 mm		1 856 x 2 016 mm	
Overall weight	5 600 kg	6 400 kg	5 700 kg	6 500 kg

Sinumerik 828D system software	SW 26x
CNC memory	5 MB
Set change time	2 ms
Look Ahead	100
Number of tools	256

* depending on installed lathe chuck

SINUMERIK 828D

High-tech for the compact class

The device of choice for any machining technology

- State-of-the-art processor technology and software architecture form the basis for 80-bit NANOP precision (80-bit floating point precision)
- Premium, robust operator manels made of die-cast magnesium with IP65 degree of protection
- Maintenance-free front control panel (no fan, battery, hard disk or similar)
- ShopTurn: shortest programming time for creating one-off parts and small batches

Control system

- 10.4" colour display
- 4:3 format
- User-friendly SINUMERIK Operate software
- Front interfaces: USB 2.0, RJ45 Ethernet, Compact Flash (CF) Card
- The 8 horizontal and 8 vertical soft keys take the user to all control windows with just a few key presses
- Rugged and robust

INCLUDING

- Safety Integrated
- Residual material detection and machining
- Shopturn work step programming
- Managing network drives
- 3-D simulation
- Logging

Warranty extension

The warranty extension lets you protect your new machine against warranty damage for a further 12, 24 or 36 months after the two-year SIEMENS warranty expires. (can only be ordered within the two-year SIEMENS warranty)

12 months - Article no. 3589020

24 months - Article no. 3589021

36 months - Article no. 3589022



Siemens

SAFETY INTEGRATED

Set up work with open doors

Functional safety also provides protection against high costs!

- Avoiding the direct consequential cost of injury to persons
- Avoiding the indirect consequential cost of injuries
- Improved productivity thanks to increased machine availability: less unplanned downtime and more trouble-free production
- Longer period of use for system
- Improvement in global competitiveness thanks to boosting the export capability of machines

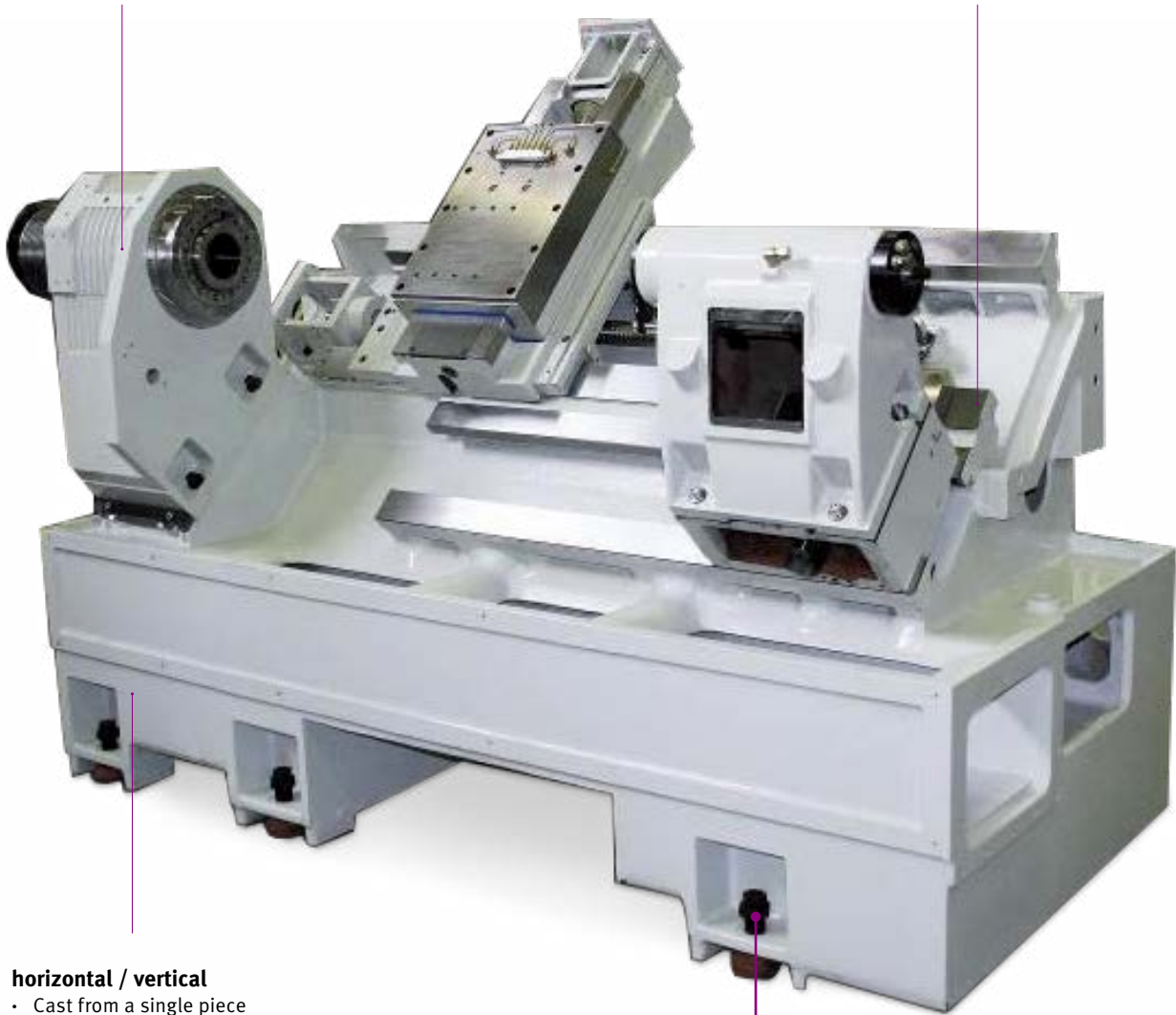
OPTIMUM - OPTIturn S 500 / S 500L / S 750 / S 750K

Spindle stock

- Cast meehanite
- Cooling ribs on outside dissipate heat more effectively

Guide

- Excellent stiffness and stability



horizontal / vertical

- Cast from a single piece
- Pronounced ribbing
- 45-degree slope
- Excellent stiffness and durability
- Cast meehanite with hardness HB 170 ~ 180

Machine feet

- Six pcs.
- Optimal machine levelling



LASER MEASURING

- ▶ Guaranteed repetition and positioning accuracy



C AXIS

- ▶ Excellent part precision and fast tool changes
- ▶ Swivel range, high torque and maximum stability



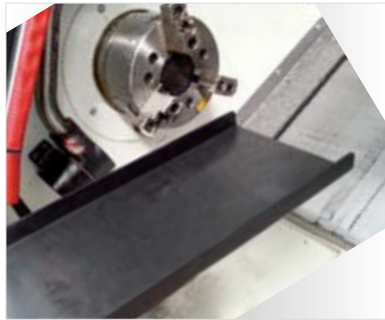
TAILSTOCK

- ▶ Programmable
- ▶ Heavy duty version
- ▶ Excellent stiffness
- ▶ Can be optionally operated via a program or the foot pedal



TOOL WITH INTERNAL COOLING

- ▶ Pressure: 20 bar
- ▶ Filter precision 25µm



PART GRIPPER DEVICE

- ▶ Automatic



BAR FEEDER

- ▶ Preparation
- ▶ Connection for bar feeder



AUTOMATIC RENISHAW MEASURING ARM

- ▶ Far less time spent on setting up tools and workpieces
- ▶ Less scrap due to setup errors
- ▶ Break detection



CHIP CONVEYOR - TROLLEY

- ▶ Conveyor version



FOOT PEDAL

- ▶ For releasing and clamping the lathe chuck
- ▶ Optional tailstock sleeve extends/ retracts hydraulically

OPTIMUM - OPTItturn S 500 / S 500L / S 750 / S 750K

Special equipment

S 500 S 500L	S 750 S 750K	Tool turret and Y axis (Please note: travel can change)		
351515018	351517018	1	Y axis including Sauter tool turret With drive	<ul style="list-style-type: none"> Stroke +/- 50 mm instead of standard equipment > hydraulic tool turret
Bar feeder				
351515003	351517003	2	Bar feeder Pro V 65E	1.5 metres. More information: „Short bar loader“ on page 158
351515012	351517012		Bar feeder Pro Conqueror	3 metres. More information: „Short bar loader“ on page 158
Tool holder				
351515006	351517006	3	Axially driven tool holder	<ul style="list-style-type: none"> Spring collet ER 32
351515007	351517007	4	Radially driven tool holder	<ul style="list-style-type: none"> Spring collet ER 32
351515008	351517008	5	Radially driven tool holder on rear side	<ul style="list-style-type: none"> Spring collet ER 32
Steady rests				
351515010	351517010	6	Fixed steady	<ul style="list-style-type: none"> Passageway Ø 20 - Ø 200 mm
Miscellaneous				
351515009	351517009	7	Air conditioner	<ul style="list-style-type: none"> Instead of standard equipment > heat exchanger
351515001	351517001		Oil separator	<ul style="list-style-type: none"> With rotary disc, removes oil from the coolant Capacity: 1 litre per hour
Software				
3584014		9	Software DXF Viewer/Reader	<ul style="list-style-type: none"> from version 4.7 For importing DXF files Hiding graphics layers Automatic contour tracking Arbitrary workpiece zero point per contour/drilling point
Hardware				
351515030		8	Siemens control PPU 290	<ul style="list-style-type: none"> 15.6" colour display- 16:9 format, Software SW 26
Lathe chuck				
-	351517013		Four-jaw lathe chuck hydraulic Ø 200 mm	<ul style="list-style-type: none"> instead of standard equipment- three-jaw lathe chuck hydraulic Ø 250 mm
-	351517015		Four-jaw lathe chuck hydraulic Ø 300 mm	<ul style="list-style-type: none"> instead of standard equipment > three-jaw lathe chuck hydraulic Ø 250 mm
351515013	-		Four-jaw lathe chuck hydraulic Ø 200 mm	<ul style="list-style-type: none"> instead of standard equipment > three-jaw lathe chuck hydraulic Ø 200 mm
351515016	-		Three-jaw lathe chuck hydraulic Ø 250 mm	<ul style="list-style-type: none"> instead of standard equipment > three-jaw lathe chuck hydraulic Ø 200 mm
351515017	-		Four-jaw lathe chuck hydraulic Ø 250 mm	<ul style="list-style-type: none"> instead of standard equipment > three-jaw lathe chuck hydraulic Ø 200 mm
3519707			Soft top jaw	<ul style="list-style-type: none"> for the four-jaw lathe chuck hydraulic Ø 200 mm (351517013)
3519727			Hard insert jaws	<ul style="list-style-type: none"> for the four-jaw lathe chuck hydraulic Ø 200 mm (351517013)
3519708			Soft top jaw	<ul style="list-style-type: none"> for the factory standard > three-jaw lathe chuck hydraulic Ø 250 mm for the four-jaw lathe chuck hydraulic Ø 250 mm (351517015)
3519728			Hard insert jaws	<ul style="list-style-type: none"> for the factory standard > three-jaw lathe chuck hydraulic Ø 250 mm for the four-jaw lathe chuck hydraulic Ø 250 mm (351517015)



1

Y AXIS

- ▶ Including Sauter tool turret
- ▶ With drive



2

BAR FEEDER

- ▶ Pro V 65E: Bar length 1200 mm, spindle height 920 - 1300 mm, loading weight 250 kg
- ▶ Conqueror: Bar length 3 020 mm, spindle height 850 - 1 300 mm, loading weight 400 kg



3

AXIALLY DRIVEN TOOL HOLDER

- ▶ High-precision bevel gears with excellent running characteristics
- ▶ Precision anti-friction bearings
- ▶ Excellent basic precision



4

RADIALLY DRIVEN TOOL HOLDER

- ▶ Radially offset drilling and milling head
- ▶ External coolant supply
- ▶ Excellent basic precision



5

RADIALLY DRIVEN TOOL HOLDER ON REAR SIDE

- ▶ Rear side radially offset drilling and milling head
- ▶ External coolant supply
- ▶ Excellent basic precision



6

Steady

- ▶ Fixed steady with a passageway of 20 - 200 mm



7

AIR CONDITIONER

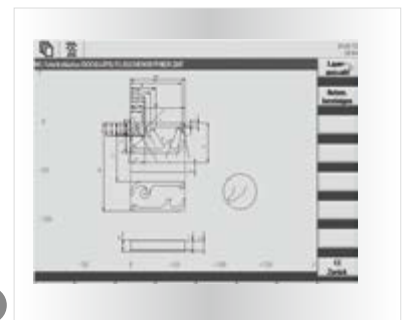
- ▶ Instead of heat exchanger



8

CONTROL PPU 290

- ▶ Capacitive display with Multi-Touch controller
- ▶ Intuitive Multi-Touch control
- ▶ Soft key selection via touch function
- ▶ Software SW 26



9

DXF READER

- ▶ DXF data can be converted to NC programs for drilling patterns and contours

CNC LATHE MACHINE

数控车床 SK61128/148/168/198/208



SK61198

标准附件:

- FANUC 0I -TD / GSK / SIEMENS
- 冷却系统
- 标准工作灯
- 四工位电动刀架
- 重型四爪卡盘 (螺钉、扳手)
- 主轴顶尖 莫氏 6#
- 刀架板子
- 中心架
- 重叠式双拉门半防护罩
- 自动润滑系统
- 强力风扇
- 电动尾座
- 顶尖套

Standard accessories:

- FANUC 0I-TD/GSK/SIEMENS
- Coolant system
- Standard working lamp
- 4-step electric turret
- Heavy-type 4-jaw chuck (screw, wrench)
- Spindle taper Morse tape 6#
- Turret plate
- Steady rest
- Overlapping dual-sliding door semi-protective housing
- Automatical lubricating system
- Powerful fan
- Electric tail-stock
- Center sleeve

可选附件:

- 液压尾座 + 液压卡盘
- 六工位电动刀架
- 八工位电动刀架
- 跟刀架

Optional accessories:

- Hydraulic tail-stock and hydraulic chuck
- 6-step electric turret
- 8-step electric turret
- Follow-rest

注意: 中心架, 跟刀架带与不带, 带多大等信息都需要具体询问!

Note: Pls contact us for further information about with or without steady rest and follow rest as well as the size of them !

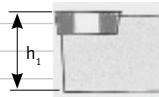
型号	MODEL	SK61128	SK61148	SK61168	SK61198	SK61208
产品编号	Code No.	1312200	1314200	1316200	1319200	1320200
床身上最大回转直径	Max swing over bed	Ø1280 mm	Ø1480 mm	Ø1680 mm	Ø1980 mm	Ø2080 mm
横拖板最大回转直径	Max swing over cross slide	Ø840 mm	Ø1040 mm	Ø1240 mm	Ø1540 mm	Ø1640 mm
顶尖距	Center distance	2-16M	2-16M	2-16M	2-16M	2-16M
主轴孔径	Spindle hole	Ø130 mm	Ø130 mm	Ø130 mm	Ø130 mm	Ø130 mm
床身宽度	Bed width	1100 mm	1100 mm	1100 mm	1100 mm	1100 mm
尾座套筒直径	Diameter of tailstock sleeve	Ø260 mm				
刀架位移最大距离	Max distance of moving tool-post					
纵向	Longitude	两顶尖距 Admits between -600 mm				
横向	Transverse	800 mm	800 mm	800 mm	800 mm	800 mm
主轴转速范围 (级数)	Spindle speeds(Number)	3.15-315 r/min or 2.5-250(21) r/min or 2-200 r/min 5-20 15-60 25-100 65-250				
主电机功率	Main motor power	30 kw				
快速移动速度	Speed of high-speed movement					
纵向	Longitude	4000 mm/min				
横向	Transverse	3000 mm/min				
刀架装刀数 (自动换刀)	Tool numbers on tool-post	4 (6、8 可选 optional)				
定位精度	Positioning accuracy					
纵向	Longitude	0.05 mm	0.05 mm	0.05 mm	0.05 mm	0.05 mm
横向	Transverse	0.03 mm	0.03 mm	0.03 mm	0.03 mm	0.03 mm
机床重复定位精度	Repeatability					
纵向	Longitude	±0.025 mm	±0.025 mm	±0.025 mm	±0.025 mm	±0.025 mm
横向	Transverse	±0.012 mm	±0.012 mm	±0.012 mm	±0.012 mm	±0.012 mm
刀架重复定位精度	Repeatability accuracy of tool-post	±0.005 mm	±0.005 mm	±0.005 mm	±0.005 mm	±0.005 mm
净重 (KG)	NET WEIGHT					
SK61168×4000mm	SK61168×4000mm	22000 kg	22000 kg	22000 kg	22000 kg	22000 kg
外形尺寸 (长×宽×高)	FLOOR SPACE(L×W×H)					
SK61168×4000mm	SK61168×4000mm	7300×3000×2500 mm				

Accessory parts for turning	Item No	S600CNC	S400E	L600CNC	L560CNC	L44CNC	L400CNC	L50CNC	L40CNC	L34HS CNC	L33HS CNC	L28HS CNC	L28 CNC
Lathe tool HM 8 mm	3441662												
Lathe tool HM 10 mm	3441664												
Lathe tool HM 12 mm	3441666											•	•
Lathe tool HM 12 mm	3441212											•	•
Lathe tool HM 16 mm	3441668									•	•		
Lathe tool HM 16 mm	3441216									•	•		
Lathe tool HM 16 mm	3441610									•	•		
Lathe tool HM 20 mm	3441670					•	•		•				
Lathe tool HM 20 mm	3441617					•	•		•				
Lathe tool HM 25 mm	3441672	•	•		•			•					
Lathe tool HM 25 mm	3441623	•	•		•			•					
Lathe tool HM 32 mm	3441674			•									
Internal turning tool kit 10 mm	3441640												•
Internal turning tool kit 12 mm	3441641											•	

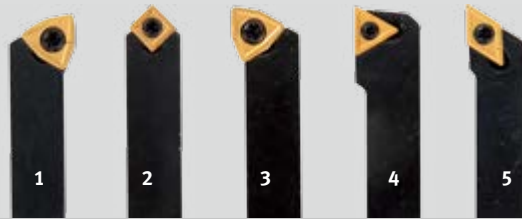


Lathe tool kit HM 8 mm

Lathe tool kit HM 8 mm	344 1662
<ul style="list-style-type: none"> • 5 pieces • With HM inserts • TiN-coated • Aluminium case 	



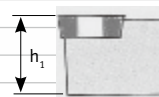
No.	ISO			h1
1	SWGC	L0808	D05	8 mm
2	SSDC	N0808	D06	8 mm
3	SWGC	R0808	D05	8 mm
4	STGC	R0808	D09	8 mm
5	SDJC	R0808	D07	8 mm



HM- spare inserts (5 pcs.)							
No.	ISO	D1	D2	B1	S1	Re	Item No.
1/3	WCMT050308	7,94	3,2	80°	3,18	0,8	344 1759
2	SCMT060204	6,35	2,8	90°	2,38	0,4	344 1761
4	TCMT090204	5,56	2,5	60°	2,38	0,4	344 1760
5	DCMT070204	6,35	2,8	55°	2,38	0,4	344 1758

Lathe tool kit HM 10 mm

Lathe tool kit HM 10 mm	344 1664
<ul style="list-style-type: none"> • 5 pieces • With HM inserts • TiN-coated • Aluminium case 	



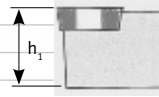
No.	ISO			h1
6	SWGC	L1010	E05	10 mm
7	SSDC	N1010	E06	10 mm
8	SWGC	R1010	E05	10 mm
9	STGC	R1010	E09	10 mm
10	SDJC	R1010	E07	10 mm



HM- spare inserts (5 pcs.)							
No.	ISO	D1	D2	B1	S1	Re	Item No.
6/8	WCMT050308	7,94	3,2	80°	3,18	0,8	344 1759
7	SCMT060204	6,35	2,8	90°	2,38	0,4	344 1761
9	TCMT090204	5,56	2,5	60°	2,38	0,4	344 1760
10	DCMT070204	6,35	2,8	55°	2,38	0,4	344 1758

Lathe tool kit HM 12 mm

Lathe tool kit HM 12 mm	344 1666
<ul style="list-style-type: none"> • 5 pieces • With HM inserts • TiN-coated • Aluminium case 	

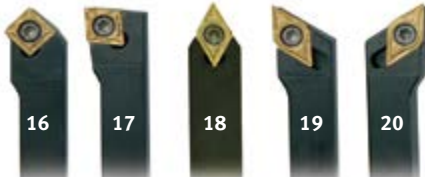


No.	ISO			h1
11	SWGC	L1212	H 05	12 mm
12	SSDC	N1212	H 09	12 mm
13	SWGC	R1212	H 05	12 mm
14	STGC	R1212	H 11	12 mm
15	SDJC	R1212	H 07	12 mm



HM- spare inserts (5 pcs.)							
No.	ISO	D1	D2	B1	S1	Re	Item No.
11/13	WCMT050308	7,94	3,2	80°	3,18	0,8	344 1759
12	SCMT09T304	6,35	2,8	90°	2,38	0,4	344 1763
14	TCMT110204	6,35	2,8	60°	2,38	0,4	344 1762
15	DCMT070204	6,35	2,8	55°	2,38	0,4	344 1758

Lathe tool kit HM 12 mm



Lathe tool kit HM 12mm 344 1212

- 5 pieces
- With HM inserts
- TiN-coated

No.	ISO			h1
16	SSSC	R1212	J09	12 mm
17	SCLC	R1212	J09	12 mm
18	SDNC	N1212	J11	12 mm
19	SDJC	R1212	J11	12 mm
20	SDJC	L1212	J11	12 mm

HM- spare inserts (5 pcs.)

No.	ISO	D1	D2	B1	S1	Re	Item No.
16	SCMT09T304	9.525	4.4	90°	3.97	0.4	344 1280
17	CCMT09T304	9.525	4.4	80°	3,97	0.4	344 1282
18-20	DCMT11T304	9.525	4.4	55°	3,97	0.4	344 1281

Single lathe tool 12 mm

16	SSSC R1212J09	344 1220	74,00
17	SCLC R1212J09	344 1221	74,00
18	SDNC N1212J11	344 1222	74,00
19	SDJC R1212J11	344 1223	74,00
20	SDJC L1212J11	344 1224	74,00

Lathe tool kit HM 16 mm

Lathe tool kit HM 16 mm 344 1668

- 5 pieces
- With HM inserts
- TiN-coated
- Aluminium case

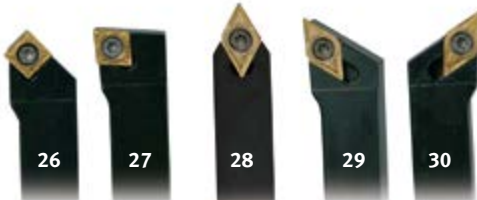
No.	ISO			h1
21	PWLN	R1616	H06	16 mm
22	PWLN	L1616	H06	16 mm
23	PSDNN	1616	H09	16 mm
24	CKJN	R1616	H16	16 mm
25	MDJN	R1616	H11	16 mm



HM- spare inserts (5 pcs.)

No.	ISO	D1	D2	B1	S1	Re	L1	Item No.
23	SNMG090304	9,252	3,81	90°	3,18	0,4		344 1755
24	KNUX160405R	9,252		55°	4,76	0,5	16,15	344 1754
25	DNMG110408	9,525	3,81	55°	4,76	0,8		344 1750

Lathe tool kit HM 16 mm



Lathe tool kit HM16 mm 344 1216

- 5 pieces
- With HM inserts
- TiN-coated

No.	ISO			h1
26	SSSC	R1616	J09	16 mm
27	SCLC	R1616	J09	16 mm
28	SDNC	N1616	J11	16 mm
29	SDJC	R1616	J11	16 mm
30	SDJC	L1616	J11	16 mm

HM- spare inserts (5 pcs.)

No.	ISO	D1	D2	B1	S1	Re	Item No.
26	SCMT09T304	9.525	4.4	90°	3.97	0.4	344 1280
27	CCMT09T304	9.525	4.4	80°	3,97	0.4	344 1282
28-30	DCMT11T304	9.525	4.4	55°	3,97	0.4	344 1281

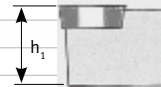
Single lathe tool 16 mm

26	SSSC R1616J09	344 1230	74,00
27	SCLC R1616J09	344 1231	74,00
28	SDNC N1616J11	344 1232	74,00
29	SDJC R1616J11	344 1233	74,00
30	SDJC L1616J11	344 1234	74,00

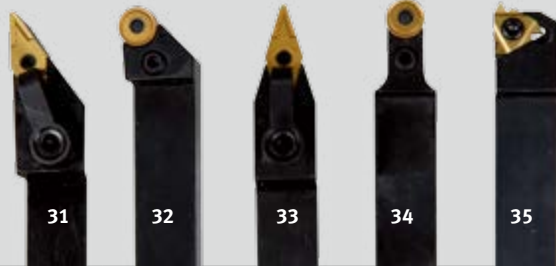
Lathe tool kit **HM 16 mm**

Lathe tool kit HM 16 mm 344 1610


- 5 pieces
- With HM insets
- TiN-coated
- Aluminium case



No.	ISO			h1
31	MVJNR	1616	H16	16 mm
32	MVVNN	1616	H16	16 mm
33	PRANN	1616	H10	16 mm
34	PRGNR	1616	H10	16 mm
35	SER	1616	H16	16 mm



HM- spare inserts




No.	ISO	D1	D2	B1	S1	Re	Item No.
31/33	VNMG160408	9,525	3,81	35°	4,76	0,8	344 1701
32/34	RNMM1003MO	10	3,6	-	3,97		344 1702
35	16ER AG60	16	3,95	60°	3,65		344 1703

Lathe tool kit **HM 20 mm**

Lathe tool kit HM 20 mm 344 1670

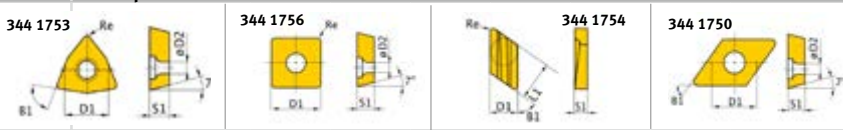
- 5 pieces
- With HM insets
- TiN-coated
- Aluminium case



No.	ISO			h1
36	PWLN	R2020	K08	20 mm
37	PWLN	L2020	K08	20 mm
38	PSDN	N2020	K12	20 mm
39	CKJN	R2020	K16	20 mm
40	MDJN	R2020	K11	20 mm



HM- spare inserts

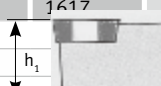


No.	ISO	D1	D2	B1	S1	Re	L1	Item No.
36/37	WNMG080408	9,252	3,81	80°	4,76	0,8		344 1752
38	SNMG120408	12,7	5,16	90°	4,76	0,8		344 1756
39	KNUX160405R	9,252		55°	4,76	0,5	16,15	344 1754
40	DNMG110408	9,525	3,81	55°	4,76	0,8		344 1750

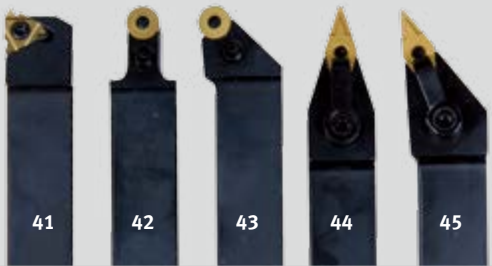
Lathe tool kit **HM 20 mm**

Lathe tool kit HM 20 mm 344 1617


- 5 pieces
- With HM insets
- TiN-coated
- Aluminium case



No.	ISO			h1
41	SER	2020	K16	20 mm
42	PRGNR	2020	K10	20 mm
43	PRANN	2020	K10	20 mm
44	MVVNN	2020	K16	20 mm
45	MVJNR	2020	K16	20 mm



HM- spare inserts

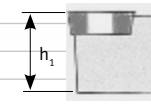


No.	ISO	D1	D2	B1	S1	Re	Item No.
41	16ER AG60	16	3,95	60°	3,65		344 1703
42/43	RNMM1003MO	10	3,6	-	3,97		344 1702
44/45	VNMG160408	9,525	3,81	35°	4,76	0,8	344 1701


Lathe tool kit **HM 25 mm**

Lathe tool kit HM 25 mm 344 1623

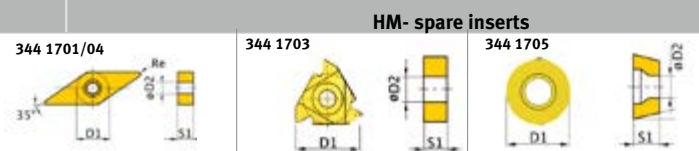
- 5 pieces
- With HM insets
- TiN-coated
- Aluminium case



No.	ISO			h1
46	MVVN	N2525	M16	25 mm
47	SE	R2525	M16	25 mm
48	PRGN	R2525	M12	25 mm
49	PRAN	N2525	M16	25 mm
50	MVJN	R2525	M16	25 mm



HM- spare inserts




No.	ISO	D1	D2	B1	S1	Re	Item No.
46/50	VNMG160408	9.525	3,81	35°	4,76	0,8	344 1701
47	16ER AG60	16	3,95	60°	3,65		344 1703
48	RNMG1204MO	12	4,75	R	5,1	-	344 1705
49	RNMG1605MO	16	5,4	R	6,3	-	344 1704

Lathe tool kit **HM 25 mm**

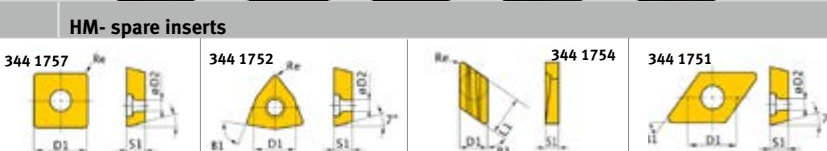
Lathe tool kit HM 25 mm 344 1672

- 5 pieces
- With HM insets
- TiN-coated
- Aluminium case

No.	ISO			h1
51	PWLN	L2525	M08	25 mm
52	PSDN	N2525	M15	25 mm
53	PWLN	R2525	M08	25 mm
54	CKJNR	R2525	M16	25 mm
55	MDJN	R2525	M15	25 mm



HM- spare inserts

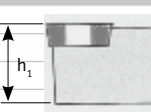


No.	ISO	D1	D2	B1	S1	Re	L1	Item No.
51/53	WNMG080408	9,252	3,81	80°	4,76	0,8		344 1752
52	SCMG150608	15.875	6.35	90°	6.35	0,8		344 1757
54	KNUX160405R	9,252		55°	4,76	0,5	16,15	344 1754
55	DNMG150408	12,7	5,16	55°	4,76	0,8		344 1751


Lathe tool kit **HM 32 mm**

Lathe tool kit HM 32 mm 344 1674

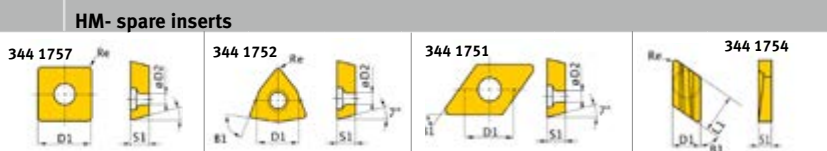
- 5 pieces
- With HM insets
- TiN-coated
- Aluminium case



No.	ISO			h1
56	PWLN	L3232	P08	32 mm
57	PSDN	N3232	P15	32 mm
58	PWLN	R3232	P08	32 mm
59	CKJN	R3232	P16	32 mm
60	MDJN	R3232	P15	32 mm



HM- spare inserts



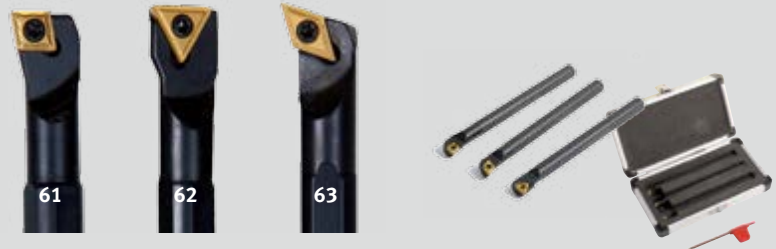
No.	ISO	D1	D2	B1	S1	Re	L1	Item No.
56/58	WNMG080408	9,252	3,81	80°	4,76	0,8		344 1752
57	SCMG150608	15.875	6.35	90°	6.35	0,8		344 1757
59	KNUX160405R	9,252		55°	4,76	0,5	16,15	344 1754
60	DNMG150408	12,7	5,16	55°	4,76	0,8		344 1751

Internal turning tool set 10 mm 344 1640

- 3 pieces
- With HM insets
- TiN-coated
- Aluminium case

No.	ISO		
61	S10K	SCFCR	06
62	S10K	SDQCR	07
63	S10K	STFCR	11

Internal turning tool

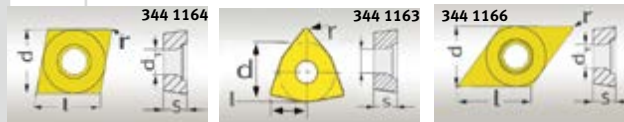


Internal turning tool set 12 mm 344 1641

- 3 pieces
- With HM insets
- TiN-coated
- Aluminium case

No.	ISO		
61	S12M	SCFCR	06
62	S12M	SDQCR	07
63	S12M	STFCR	11

HM- spare inserts



für No.	ISO		l	s	r	d	d1	Item No.
61	CCMT060204	C/80°	6,35	2,60	0,40	6,35	2,70	344 1164
62	TCMT110204	T/60°	10,84	2,53	0,40	9,1	2,70	344 1163
63	DCMT070204	D/55°	7,30	2,53	0,40	6,35	2,70	344 1166



Internal turning tool -Satz 344 1650

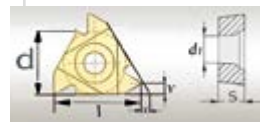
- 5 pieces (8/10/12/16/20 mm)
- With HM insets
- TiN-coated
- Aluminium case

No.	ISO			d
64	S10K	SIR 0008	H08	8 mm
65	S10K	SIR 0010	K11	10 mm
66	S10K	SIR 0012	M11	12 mm
67	S10K	SIR 0016	P16	16 mm
68	S10K	SIR 0020	S16	20 mm

Internal turning tool



HM- spare inserts



	ISO		l	s	d	d1	Max.	Item No.
64	08IR A60	60° IR	8	2,22	4,76	2,5	M10	344 1725
65/66	11IR A60	60° IR	11	3,22	6,35	3,0	M12	344 1726
67/68	16IR A60	60° IR	16	3,65	9,5	3,95	M16	344 1727

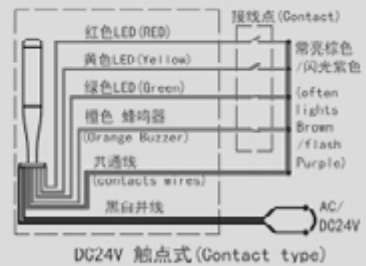
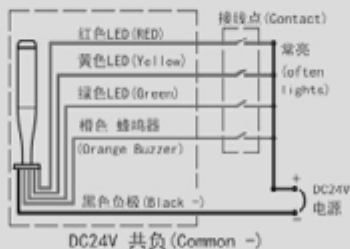
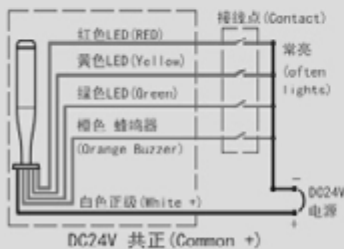
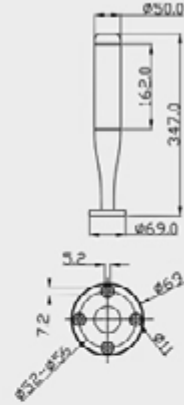
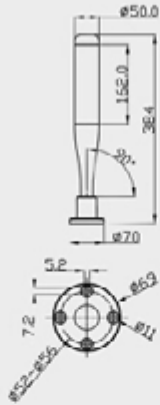
LED LAMP M8000



- LED 光源直接发出有色指示光，时尚、清澈、醒目。
- 外观采用柔美曲线设计，纯金属质感，做工精细；中部清澈透明，直线排列的灯珠美观大方，让行业内人士眼前一亮，从而大幅度提升设备的价值感。
- 采用进口 PC 透明管料，号称防弹胶，耐腐蚀，耐高温，不易变黄。
- 采用名牌高品质 LED 光源，长寿命达 50000 小时以上，保证 5 年不坏灯（可用约 10 年），与设备同寿命，免除更换指示灯光源或指示灯的麻烦；铝合金的芯轴，确保 LED 光源产生的热量迅速散去，延缓光衰。
- 采用进口长寿命电容器，确保高品质的电源驱动。
- 可折式安装底座，简便实用，方便设备运输。

- Display by colored LED, stylish, clean, eye-catching.
- The soft curve design, pure metal texture, fine; central clear and transparent, linear array of light beads, beautiful, so that industry professionals are attracted, thus greatly enhancing the value of equipment.
- Use of imported PC material transparent tube, known as bullet-proof plastic, corrosion-resistant, bear high temperature, anti-yellowing.
- The use of brand-name high-quality LED light source, long life of 50000 hours (for about 10 years), with the same life and equipment, eliminating the replacement of indicator light; Aluminum mandrel to ensure that heat generated by LED quickly dispersed, slow light decline.
- Imported long-life capacitors, ensure high-quality power-driven.
- Can directly plug installation, simple, practical, convenient transportation equipment.

参数及安装结构图(TECHNICAL PARAMETERS AND STRUCTURE INSTALLATION)



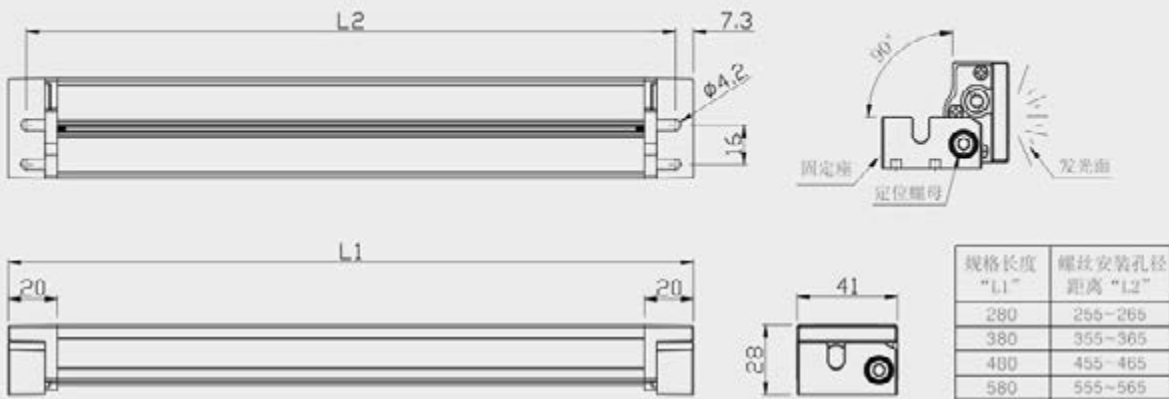
表面温度	<50 °C	出光角度	360°	光源	小功率LED贴片	额定电流	50-200MA
寿命	50,000Hrs	防护等级	IP50	安装方式	固定底座插拔式/可折式		

LED LAMP M9008/9012/9016/9020




- 采用超小型美学设计，节省空间，可安装在不同样式的机床，名副其实的通用灯具。
- 灯底部安装后，可转动固定座，可依据固定座自由调节角度，提升用光的自由度。
- 通过调节出光角度，不仅可达到最好的光效，同时还能避免灯光对眼睛的刺激造成眼部伤害。
- 隐藏式安装，灯体跟机床达到完美结合，感觉更美观、舒适。
- Ultra-small aesthetic design, can space-saving, can be installed in different styles of machine, a veritable universal fixtures.
- After the bottom of the lamp installed rotatable mounts, can freely adjust the angle according to holder, enhance freedom of light.
- By adjusting the light angle, not only can achieve the highest light efficient, but also can avoid the light to damage your eyes.
- Hidden installation, light body and machine to achieve the perfect combination, make us feel more comfortable.


参数及安装结构图(TECHNICAL PARAMETERS AND STRUCTURE INSTALLATION)

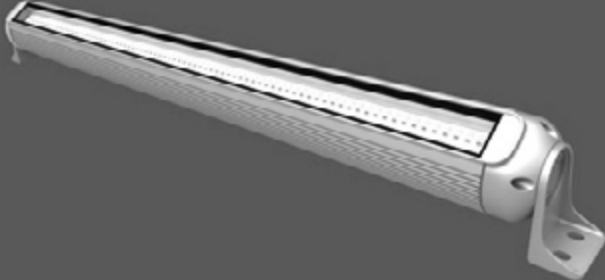



名称	电压	规格长度	功率	表面温度	<50 °C		
LED M9008	□ DC24V	□ 280mm	□ 8W	光源	1-3W/pcs	安装方式	螺丝固定
LED M9012		□ 380mm	□ 12W	寿命	50,000Hrs		
LED M9016		□ 480mm	□ 16W	出光角度	60°	中心照度	70CM 850LUX
LED M9020		□ 580mm	□ 20W	防护等级	IP67		

LED LAMP M1007/1012/1016/1020



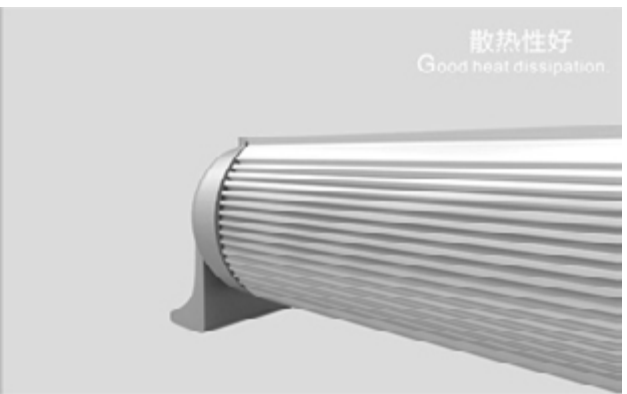
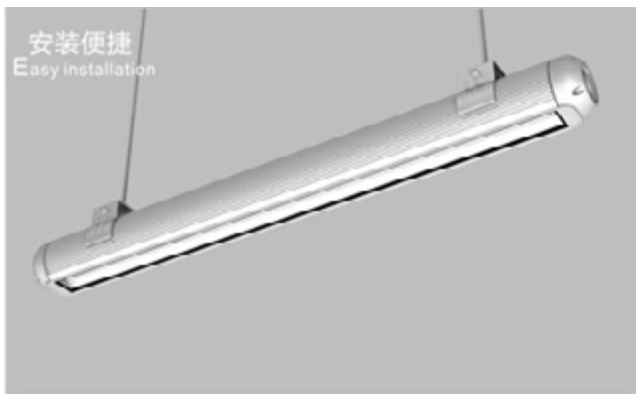
CE 





-40°C 严寒

压铸结构, 防水胶条, 防水硅胶, 钢化玻璃等部件有机结合, 把防水、散热与外观高度统一, 国内唯一, 世界首创。
Die casting structure the waterproof adhesive, waterproof silicone, glass and other components of organic union, the waterproof, heat dissipation and appearance have been highly uniform, the only case in china, and the world's frist.



参数及安装结构图(TECHNICAL PARAMETERS AND STRUCTURE INSTALLATION)

名称	电压	规格长度	功率	表面温度	<50 °C		
LED M1007	□ 24V	□ 300mm	□ 7W	光源	0.2W/pcs	安装方式	固定底座
LED M1012		□ 400mm	□ 12W	寿命	50,000Hrs		
LED M1016	□ 220V	□ 600mm	□ 16W	出光角度	90°	额定电流	180-1000MA
LED M1020		□ 800mm	□ 20W	防护等级	IP67	光效	100-110lm/w



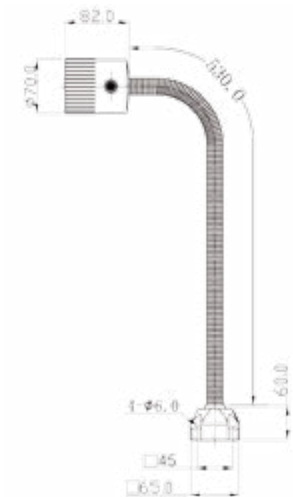
规格长度	(300)	(400)	(600)	(800)
灯具总长 "L1"	370	510	710	910
灯夹安装距离 "L2"	369±3	469±3	669±3	869±3

Robust LED machine lamps for the individual use

Type	LED 3-500
Item No	335 1010

Energy-saving durable machine lamp

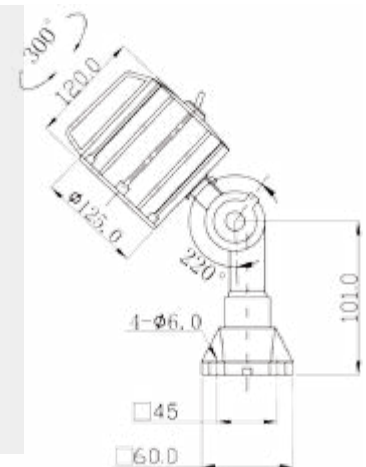
- Equipped with high performance LEDs
- With protection class IP64 (dust and splash water protected)
- Service life 60'000 operating hours
- Little outside temperature so that lubricants and coolants cannot burn in
- Made of robust oil-resistant and impact-proof plastic material
- No impairment of the service life due to vibrations or shocks
- High positioning stability
- Jacketed stable flexible hose arm 530 mm
- Optimum mobility of the articulated arm
- Colour temperature 4000 - 4500 K
- Cable length 1.2 m
- Maintenance-free
- Colour black
- Lamp: 3 x 1 W LED
- 230 V ~50 Hz



Type	LED 8-100
Item No	335 1021

Robust and bright machine anglepoise

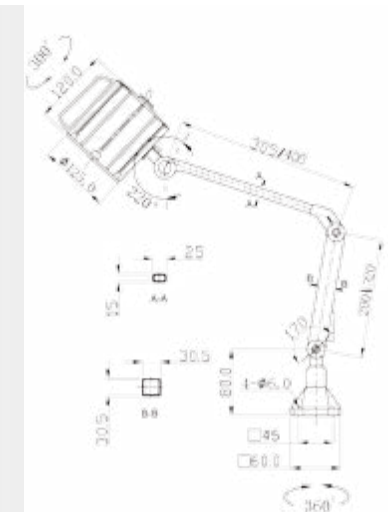
- Highly modern LED technique
- Little outside temperature so that lubricants and coolants cannot burn in
- Dust tight and jet water protected
- Articular head
- Light distribution: medium-width, asymmetric, angle of refraction 25°
- Lamp cover made of safety glass resistant to temperature change
- Protection class IP65 (lamp head)
- Colour temperature 4000 - 4500 K
- Supply cable about 1.2 m
- Colour aluminium silver/black
- Lamp: 8 x 1 W LED
- 230 V ~50 Hz



Type	LED 8-600	LED 8-720
Item No	335 1026	335 1027

Robust and bright machine anglepoise

- Highly modern LED technique
- Little outside temperature so that lubricants and coolants cannot burn in
- Dust tight and jet water protected
- Articular head
- Light distribution: medium-width, asymmetric, angle of refraction 25°
- Lamp cover made of safety glass resistant to temperature change
- Articulated arm length 505 mm (LED 8-600) 720 mm (LED 8-720)
- Protection class IP65 (lamp head)
- Colour temperature 4000 - 4500 K
- Supply cable about 1.2 m
- Colour aluminium silver/black
- Lamp: 8 x 1 W LED
- 230 V ~50 Hz
- Weight: 3.6 kg



CNC

CONTROL SYSTEM

It offers three Control System for selection!



Siemens 808D AD FFU 15X



Siemens 828D Basic



FANUC Oi MF



GSK



ELECTRIC SPECIFICATION

F2	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6042(1.9NM)	/	Bisc2/4000	60SY-M01330(1.3NM)
Y Axis Servo Motor	1FL6042(1.9NM)	/	Bisc2/4000	60SY-M01330(1.3NM)
Z Axis Servo Motor	1FL6044(3.5NM)	/	Bisc4/4000	60SY-M01330(1.3NM)
Main spindle motor	1.1KW	/	1.1KW	1.1KW
F2 Pro	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6042(1.9NM)	/	Bisc2/4000	80SY-M02430(2.4NM)
Y Axis Servo Motor	1FL6044(3.5NM)	/	Bisc4/4000	80SY-M02430(2.4NM)
Z Axis Servo Motor	1FL6044(3.5NM)	/	Bisc4/4000	80SY-M02430(2.4NM)
Main spindle motor	1.1KW	/	1.1KW	1.1KW
F3 Pro	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6042(1.9NM)	/	Bisc2/4000	80SJTA-M024E(2.4NM)
Y Axis Servo Motor	1FL6044(3.5NM)	/	Bisc4/4000	80SJTA-M032E(3.2NM)
Z Axis Servo Motor	1FL6044(3.5NM)	/	Bisc4/4000	80SJTA-MZ032E(3.2NM)
Main spindle motor	1.5KW	/	1.5KW	1.5KW
F4	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6044(3.5NM)	/	Bisc4/4000	80SJTA-M032E(3.2NM)
Y Axis Servo Motor	1FL6062(6NM)	/	Bisc8/3000	130SJT-M050D(5NM)
Z Axis Servo Motor	1FL6062(6NM)	/	Bisc8/3000	130SJT-MZ050D(5NM)
Main spindle motor	2.2KW	/	Bii3/10000	2.2KW
F80	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6044(3.5NM)	1FK7042(4NM)	Bisc4/4000	130SJT-M060D(6NM)
Y Axis Servo Motor	1FL6062(6NM)	1FK7060(6NM)	Bisc8/3000	130SJT-M060D(6NM)
Z Axis Servo Motor	1FL6062(6NM)	1FK7060(6NM)	Bisc8/3000	130SJT-MZ060D(6NM)
Main spindle motor	2.2KW	1PH8101	Bii3/10000	2.2KW
F105	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6062(6NM)	1FK7060(6NM)	Bisc12/3000	130SJT-M100D(10NM)
Y Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-M100D(10NM)
Z Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-MZ100D(10NM)
Main spindle motor	5.5KW	1PH8103	Bii6/10000	5.5KW

带有西门子 808D 系统的都适用于 MM+(即手动机床功能) , F80/F105 都配置 SHOP MILL 功能。

ELECTRIC SPECIFICATION

F150	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-M100D(10NM)
Y Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-M100D(10NM)
Z Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-MZ100D(10NM)
Main spindle motor	7.5KW	1PH8107	Bii8/12000-B	7.5KW
F120X	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	/	1FK7063(11NM)	aiS8/4000	/
Y Axis Servo Motor	/	1FK7063(11NM)	aiS8/4000	/
Z Axis Servo Motor	/	1FK7083(16NM)	aiS12/4000	/
Main spindle motor	/	1PH8103	aiI2/20000 SP	/
F210	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJTE-M150D(15NM)
Y Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJTE-M150D(15NM)
Z Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJTE-MZ150B(15NM)
Main spindle motor	7.5KW	1PH8107	Bii8/12000-B	7.5KW
F300	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6067(15NM)	1FK7083(16NM)	Bisc12/3000	130SJTE-M150D(15NM)
Y Axis Servo Motor	1FL6067(15NM)	1FK7083(16NM)	Bisc12/3000	130SJTE-M150D(15NM)
Z Axis Servo Motor	1FL6092(22NM)	1FK7084(20NM)	Bis22/3000	130SJTE-MZ150B(15NM)
Main spindle motor	11KW	1PH8133	Bii8/12000-B	7.5KW
F500/F600	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6092(22NM)	1FK7084(20NM)	Bis22/3000	175SJT-M220B(22NM)
Y Axis Servo Motor	1FL6092(22NM)	1FK7084(20NM)	Bis22/3000	175SJT-M220B(22NM)
Z Axis Servo Motor	1FL6092(22NM)	1FK7101(27NM)	Bis22/3000	175SJT-MZ220B(22NM)
Main spindle motor	11KW	1PH8133	Bii12/10000-B	11KW
F800	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6094(30NM)	1FK7084(20NM)	BiS 30/2000	175SJT-M300B(30NM)
Y Axis Servo Motor	1FL6094(30NM)	1FK7101(27NM)	BiS 40/2000	175SJT-M300B(30NM)
Z Axis Servo Motor	1FL6094(30NM)	1FK7101(27NM)	BiS 30/2000	175SJT-MZ300B(30NM)
Main spindle motor	15KW	1PH8135	BiI15/8000-B SP	15KW
F900	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi MF	GSK
X Axis Servo Motor	1FL6096(40NM)	1FK7103(36NM)	BiS 40/2000	175SJT-M380B(38NM)
Y Axis Servo Motor	1FL6096(40NM)	1FK7103(36NM)	BiS 40/2000	175SJT-M380B(38NM)
Z Axis Servo Motor	1FL6096(40NM)	1FK7103(36NM)	BiS 40/2000	175SJT-MZ380B(38NM)
Main spindle motor	15KW	1PH8135	BiIP30/8000-B SP	15KW

带有西门子 808D 系统的都适用于 MM+(即手动机床功能), F150/F120X/F210/F300/F500/F600/F800/F900 都配置 SHOP MILL 功能。

ELECTRIC SPECIFICATION

L28/L28S	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6042(1.9NM)	/	Bisc2/4000	60SY-M01330(1.3NM)
Z Axis Servo Motor	1FL6044(3.5NM)	/	Bisc4/4000	80SY-M02430(2.4NM)
Main spindle motor	2.2KW	/	2.2KW	2.2KW
L28HS	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6042(1.9NM)	/	Bisc2/4000	60SY-M01330(1.3NM)
Z Axis Servo Motor	1FL6044(3.5NM)	/	Bisc4/4000	80SY-M02430(2.4NM)
Main spindle motor	2.2KW	/	2.2KW	2.2KW
L33HS	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6061(4NM)	/	Bisc8/3000	130SJT-M040D(4NM)
Z Axis Servo Motor	1FL6062(6NM)	/	Bisc8/3000	130SJT-M060D(6NM)
Main spindle motor	3KW	/	3KW	3KW
L34HS	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6061(4NM)	1FK7042(4NM)	Bisc8/3000	130SJT-M040D(4NM)
Z Axis Servo Motor	1FL6062(6NM)	1FK7060(6NM)	Bisc8/3000	130SJT-M060D(6NM)
Main spindle motor	3.7KW	1PH8101	3KW	ZJY182-3.7BL(3.7KW)
L40	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6062(6NM)	1FK7060(6NM)	Bisc8/3000	130SJT-M060D
Z Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-M100B
Main spindle motor	7.5KW	1PH8107	7.5KW	ZJY208A-7.5BM(7.5KW)
S400E	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-MZ100D
Z Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-M100D
Main spindle motor	7.5KW	1PH8107	Bii8/12000-B	ZJY208A-7.5BM(7.5KW)
S600E	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6067(15NM)	1FK7083(16NM)	Bis22/3000	130SJT-MZ150B(15NM)
Z Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-M150B(15NM)
Main spindle motor	11KW	1PH8133	Bii12/10000-B	ZJY265A-11BM(11KW)
S400PS	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-MZ100D
Z Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-M100D
Main spindle motor	7.5KW	1PH8107	Bii8/12000-B	ZJY208A-7.5BM(7.5KW)
S600PS	Siemens 808D AD FFU 15X	Siemens 828D Basic	FANUC Oi TF	GSK
X Axis Servo Motor	1FL6067(15NM)	1FK7083(16NM)	Bis22/3000	130SJT-MZ150B(15NM)
Z Axis Servo Motor	1FL6066(11NM)	1FK7063(11NM)	Bisc12/3000	130SJT-M150B(15NM)
Main spindle motor	11KW	1PH8133	Bii12/10000-B	ZJY265A-15BM(11KW)

带有西门子 808D 系统的都适用于 MM+(即手动机床功能) , L33HS/L34HS/L40/S400E/S600E/S400PS/S600PS 都配置 SHOP TURN 功能。



DRILLING & MILLING MACHINE



DM25/DM30	B3
DMF40	B4
DM40/DM45/DM45L	B5
DH40CT	B7
DH40CTV	B9
MB4P/MB4PV	B11
BF16 V	B13
BF20/20L V	B15
BF20AV	B16
BF30V/BF46 V	B17
BF50TC	B19
MH12V/20V/22V	B21
MH25V/MH25SV	B23
MH28V	B25
MH35G/35V/MH50G/50V	B27
MF1 V	B29
MT2BV	B31
MT50/MT50V	B33
MT50E	B35
MT60	B37
MT8	B39
MT100/MT200	B41
MT150	B43
MT130S	B45
MT220S	B47
MT230S	B49
TMM100/TMM100V	B51
TMM200(V)/TMM400(V)	B53
TMM500/TMM500V	B55
TMM 700/700V/800/800V ..	B57
TMM 700SV/800SV	B59
MX1	B61
MX2/MX3	B63
MX4 Pro	B65
MZ2/MZ4	B67
UF100	B69
UF200	B71
UF150S	B73
UF200S	B75
UF300	B77
UF400	B78
UF500servo	B79
UF1500	B81
HSG 2050/2550	B83
HSG 3063/4080	B85
MSG 180/250	B87
TS125K	B89
V99S/V250S	B91
Accessories	B92

DRILLING & MILLING MACHINE

钻铣床 DM25/DM30

优质、高效、高性价比

- 操作简单，加工范围广
- 主轴箱可作360°回转
- 机头可垂直升降
- 采用高强度铸铁立柱
- 宽大型工作台
- 精密微调进给
- 高负荷圆锥滚子轴承支撑主轴
- 主轴任意位置可锁紧
- 工作台间隙镶条调整
- 皮带传动噪音低

标准附件：

- 铣刀吊紧拉杆
- 钻夹头 1-13mm/B16
- 钻接杆 MT3/B16(DM25)
R8/B16(DM30)

可选附件：

- 石英工作灯 JC34A
- 冷却系统 AB-12
- 58件套铣床夹具
- Q24-16 套装铣夹头 (4.5.6.8.10.12.16)
- 套装立铣刀 (20件/套)
- 铣床机用平口钳 QG100
- 可转位端面铣刀 $\phi 63\text{mm}/\text{MT3}$
- 全钢床脚及油盘
- 二轴数显装置
- 立卧两用精密回转工作台 ERT-HV125

Convincing arguments: quality, efficiency and price

- Very easy to operate
- Head swivels 360
- Head worktable up & down vertically
- Strong iron casting column
- Wide and big table
- Micro feed precision
- Heavy-duty tapered roller bearing Spindle
- Positive spindle lock
- Adjustable gibs on table
- Belt drive, low noise

Standard Accessories:

- Draw bar
- Drill chuck 1-13mm/B16
- Morse taper MT3/B16(DM25)
R8/B16(DM30)

Optional equipment:

- Halogen lamp
- Coolant pump
- 58pcs clamping tool kit
- Q24-16Milling chuck set (4.5.6.8.10.12.16)
- End milling cutter set(HSS 20pcs)
- Milling vice QG100(100mm)
- Face milling cutter $\phi 63\text{mm}/\text{MT3}$
- Steel stand and chip tray
- X/Y 2-axis DRO
- H/V Precision rotarytable ERT-HV125



床脚和油盘为可选
Stand & chip tray is
for optional

机床技术参数 /Specification

型号	Model	DM25	DM30
产品编号	Code No.	2102500	2103000
钻铣能力	DRILLING-MILLING CAPACITY		
最大钻孔直径(铁/钢)	Max.drilling capacity(Iron/Steel)	$\phi 25/\phi 20\text{ mm}$	$\phi 30/\phi 25\text{ mm}$
面铣直径	Milling capacity cutter head	$\phi 63\text{ mm}$	$\phi 76\text{ mm}$
立铣直径	Milling capacity end mill cutter	$\phi 20\text{ mm}$	$\phi 20\text{ mm}$
主轴	SPINDLE		
主轴锥度	Spindle taper	MT3	MT3 or R8
套筒行程	Sleeve travel	120 mm	120 mm
钻铣头	DRILL-MILL HEAD		
主轴倾斜角度	Spindle inclined angle	/	/
主轴转速	Spindle speed	100-2080 rpm	100-2080 rpm
十字工作台	CROSS TABLE		
工作台 (长x宽)	Tabel(LxW)	585x190 mm	730x210 mm
Y轴行程	Y-axis travel	168 mm	210 mm
X轴行程	X-axis travel	370 mm	500 mm
T型槽尺寸/长度/数量	T-slot size/distance/number	14 mm/475 mm/3	14 mm/630 mm/3
主轴端面至工作台面距离	Distance spindle-cross table	430 mm	440 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	1.1 KW	1.5 KW
体积	DIMENSIONS		
长x宽x高	LxWxH	730x670x1020 mm	950x760x1200 mm
净重/毛重	NW/GW	270/320 kg	300/350 kg

DRILLING & MILLING MACHINE

钻 铣 床 DMF 40

优质、高效、高性价比

- 铣削、钻削、攻丝、扩孔、镗孔
- 主轴箱可作360°回转
- 机头、工作台可垂直升降
- 超高立柱
- 高精度十字工作台
- 精密微调进给
- 高负荷圆锥滚子轴承支撑主轴
- 主轴任意位置可锁紧
- 工作台间隙镶条调整
- 齿轮传动，低噪音

标准附件:

- 铣刀吊紧拉杆
- 钻夹头 1-13mm/B16
- 钻接杆 MT4/B16

可选附件:

- 石英工作灯 JC34A
- 冷却系统
- 主轴自动进给
- 双速电机 1.1/1.5KW 或 1.5KW

Convincing arguments: quality, efficiency and price

- Milling drilling, tapping, boring, reaming
- Head swivels 360°
- Head worktable up & down vertically
- Super high column
- High precision cross table
- Micro feed precision
- Heavy-duty tapered roller bearing Spindle
- Positive spindle lock
- Adjustable gibs on table
- Gear drive, lower noise

Standard Accessories:

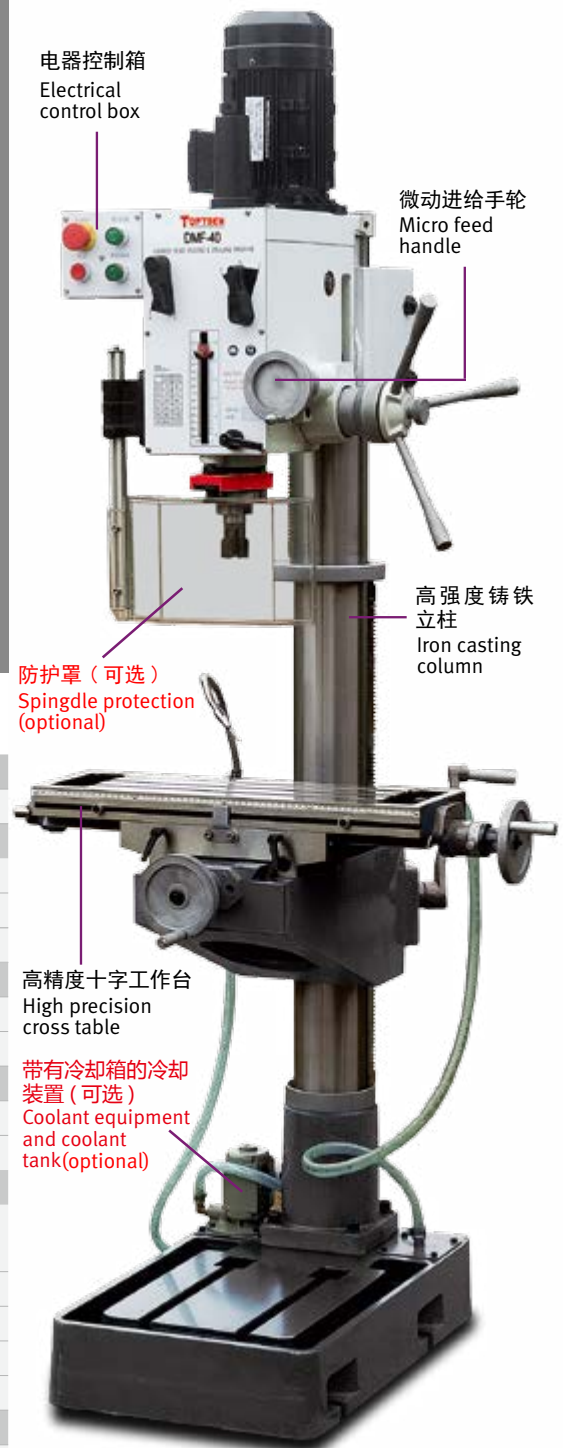
- Draw bar
- Drill chuck 1-13mm/B16
- Morse taper MT4/B16

Optional equipment:

- Halogen lamp
- Coolant pump
- Headstock spindle power down feed
- Double speed motor 1.1/1.5KW or 1.5KW

机床技术参数 /Specification

型号	Model	DMF40
产品编号	Code No.	2204000
钻铣能力	DRILLING-MILLING CAPACITY	
最大钻孔直径(铁/钢)	Max.drilling capacity(Iron/Steel)	ø40/ø32 mm
面铣直径	Milling capacity cutter head	ø80 mm
立铣直径	Milling capacity end mill cutter	ø32 mm
主轴	SPINDLE	
主轴锥度	Spindle taper	MT3 MT4 or R8
套筒行程	Sleeve travel	120 mm
钻铣头	DRILL-MILL HEAD	
主轴倾斜角度	Spindle inclined angle	±90°
主轴转速	Spindle speed	75-1600 rpm
十字工作台	CROSS TABLE	
工作台(长x宽)	Tabel(LxW)	600x190 mm 730x210 mm (for optional)
Y轴行程	Y-axis travel	280 mm
X轴行程	X-axis travel	500 mm
T型槽尺寸/长度/数量	T-slot size/distance/number	14 mm/630 mm/3
主轴端面至工作台面距离	Distance spindle-cross table	630 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	1.5 KW
体积	DIMENSIONS	
长x宽x高	LxWxH	830x760x1885 mm
净重/毛重	NW/GW	340/390 kg



电器控制箱
Electrical control box

微动进给手轮
Micro feed handle

高强度铸铁立柱
Iron casting column

防护罩(可选)
Spindle protection (optional)

高精度十字工作台
High precision cross table

带有冷却箱的冷却装置(可选)
Coolant equipment and coolant tank(optional)

DMF40

DRILLING & MILLING MACHINE

钻 铣 床 DM40/DM45/DM45L

优质、高效、高性价比

- 铣削、钻削、攻丝、扩孔、镗孔
- 主轴箱垂直方向可作 $\pm 90^\circ$ 回转
- 宽大型工作台
- 主轴微动进给
- 使用强力高负荷圆锥滚子轴承支撑主轴
- 主轴可任意位置锁紧，机头可升降
- 工作台间隙镶条调整
- 工作台限位位置可调
- 齿轮变速箱驱动
- 定位准确，刚性强，切削力大

Convincing arguments: quality, efficiency and price

- Milling drilling, tapping, boring, reaming
- Head swivels $\pm 90^\circ$ vertically
- Largely dimensioned table
- Spindle micro feed
- Heavy-duty tapered roller bearing spindle
- Spindle can be locked, headstock power down feed
- Adjustable gibs on table
- Adjustable stops on table
- Gear drive headstock
- Accurate position, good rigidity, big cutting power



机床技术参数 /Specification

型号	Model	DM40	DM45	DM45L
产品编号	Code No.	2104000	2104500	2104600
钻铣能力	DRILLING-MILLING CAPACITY			
最大钻孔直径(铁/钢)	Max.drilling capacity(Iron/Steel)	ø40/ø32 mm	ø45/ø32 mm	ø45/ø32 mm
面铣直径	Milling capacity cutter head	ø63 mm	ø80 mm	ø80 mm
立铣直径	Milling capacity end mill cutter	ø32 mm	ø32 mm	ø32 mm
主轴	SPINDLE			
主轴锥度	Spindle taper	MT3 or R8 or MT4	MT3 or MT4 or R8	MT3 or MT4 or R8
主轴行程	Spindle travel	120 mm	120 mm	120 mm
钻头	DRILL-MILL HEAD			
主轴倾斜角度	Spindle inclined angle	±90°	±90°	±90°
主轴转速	Spindle speed	75-1600 rpm	75-1600 rpm	75-1600 rpm
十字工作台	CROSS TABLE			
工作台 (长x宽)	Table(LxW)	730x210 mm	800x240 mm	1000x240 mm
Y轴行程	Y-axis travel	230 mm	190 mm	190 mm
X轴行程	X-axis travel	500 mm	560 mm	760 mm
T型槽尺寸/长度/数量	T-slot size/distance/number	14 mm/575 mm/3	14 mm/630 mm/3	14 mm/840 mm/3
主轴端面至工作台面距离	Distance spindle-cross table(Max.)	450 mm	470 mm	470 mm
电机	ELECTRIC SUPPLY			
电机功率	Motor	1.5 KW	1.5 KW	1.5 KW
体积	DIMENSIONS			
长x宽x高	LxWxH	820x760x1150 mm	1015x1015x1425 mm	1200x760x1150 mm
净重/毛重	NW/GW	270/300 kg	312/378 kg	375/400 kg

标准附件：

- 铣刀吊紧拉杆
- 钻夹头 1-13mm/B16
- 钻接杆 MT3/B16(DM40)
MT4/B16(DM45)

可选附件：

- 石英工作灯 JC34A
- 冷却系统
- 58件套铣床夹具 M12Q24-16 套装铣夹头 (4.5.6.8.10.12.16)
- 套装立铣刀 (20件/套)
- 铣床机用平口钳 QG125
- 可转位端面铣刀 ø63mm/MT3
- 全钢床脚及油盘
- 两轴数显装置 (DM40)
- 两 / 三轴数显装置 (DM45)
- 立卧两用精密回转工作台 ERT-HV150
- 工作台自动走刀器 (DM45)
- 主轴自动进给
- 双速电机 1.1/1.5KW or 1.5KW

Standard Accessories:

- Draw bar
- Drill chuck 1-13mm/B16
- Morse taper MT3/B16(DM40)
MT4/B16(DM45)

Optional equipment:

- Halogen lamp
- Coolant pump
- 58pcs clamping tool kit
- Milling chuck set (8pcs/set) 4-16mm
- End milling cutter set(HSS 20pcs)
- Milling vice QG125(125mm)
- Face milling cutter ø63mm/MT3
- Steel stand and chip tray
- X,Y 2-axis DRO(DM40)
X,Y,Z 3-axis DRO(DM45)
- H/V Precision rotary table ERT-HV150
- Table power feed TPF-01
- Headstock spindle power down feed
- Double speed motor 1.1/1.5KW or 1.5KW

DRILLING & MILLING MACHINE



钻 铣 床 DH40CT

优质、高效、高性价比

- 厚重结实的铸铁制造
- 抛光淬火的齿轮浸在油槽内带来顺畅运转
- XY轴大尺寸工作台
- 转速范围95 - 3,200 rpm
- 两级高品质工业电机
- 机头和工作台高度可调
- 工作台导轨通过燕尾精度可调
- 可正转/反转
- 齿轮头可 $\pm 60^\circ$ 左右旋转
- 带钻销深度限位

Convincing arguments: quality, efficiency and price

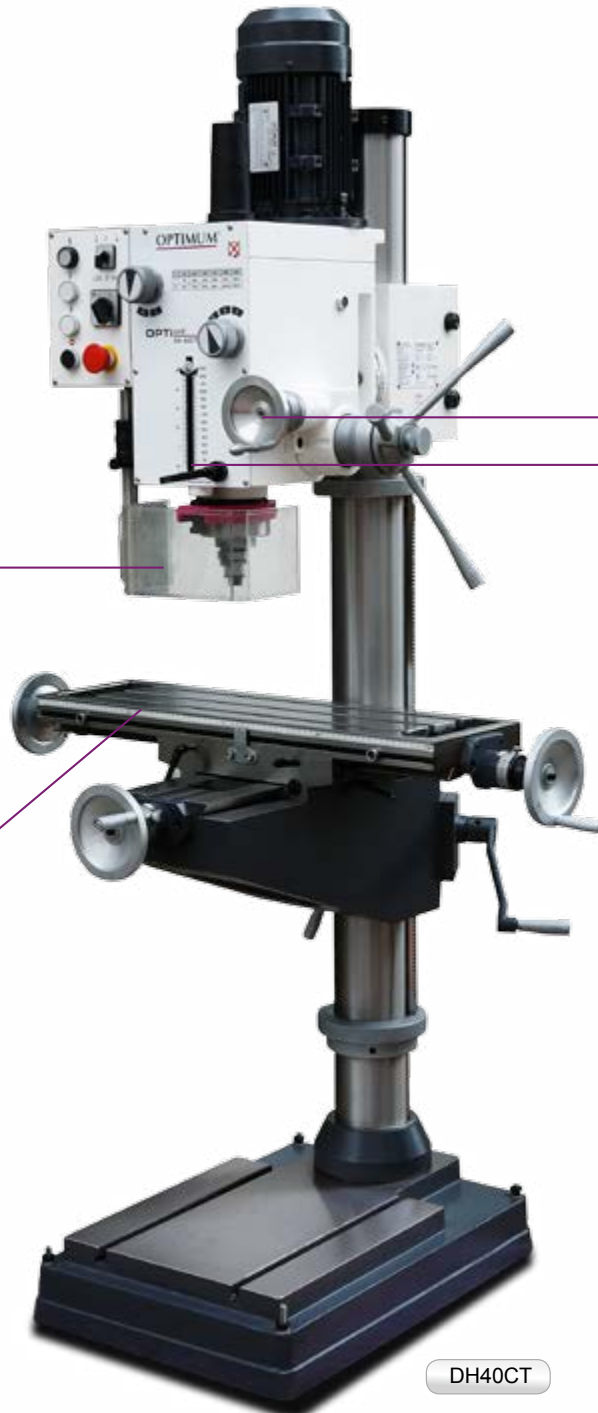
- Heavy, solid cast design
- Smooth action due to polished gearwheels running in an oil sump
- Large XY table
- Large speed range of 95 - 3,200 rpm
- Two-stage industrial quality electric motor
- Gear head and table are height adjustable
- Table guideways precisely adjustable via V-ledges
- Clockwise/Anti-clockwise rotation
- Gear head pivots through $\pm 60^\circ$
- Drilling depth stop

- 钻夹头防护罩
- 最大限度保护用户的安全
- 高度可调
- 带微动开关
- Chuck guard**
- Best possible protection of the user
- Height-adjustment
- Micro switch

- 高精度十字工作台
- High precision cross table

- 套筒进给
- 通过手轮
- Sleeve feed**
- Via handwheel

- 切削深度限位
- 毫米刻度尺
- 可调
- Drilling depth stop**
- Millimeter scale
- adjustable



DH40CT

机床技术参数 / Specification

型号	Model		DH40CT	
产品编号	Code No.		2214000	
钻孔能力	铸铁	Drilling capacity	cast iron	Ø40 mm
	低碳钢		mild steel	Ø32 mm
面铣直径	Face mill capacity		Ø76 mm	
立铣直径	End mill capacity		Ø25 mm	
工作台尺寸	Working table size		730×210 mm	
水平工作台尺寸	Working table cross travel		490×180 mm	
底座尺寸	Dimension of base		670×470 mm	
立轴中心至床身垂直面距离	distance spindle to column		278 mm	
主轴头左右倾斜角度	Head tilt left right		±45°	
T型槽尺寸	T-slot size		3-14×63 mm	
主轴锥度 (可选)	Spindle taper(option)		MT3 or MT4	R8 or ISO30
主轴端面至工作台面最大距离	Max distance spindle to table		600 mm	
卧轴端面至工作台面最大距离	Max distance nose to base		1180 mm	
主轴行程	Spindle travel		120 mm	
主轴转速	Spindle speed(rpm)	Motor 1.1KW/1.5KW/50HZ	I	75 180 280 600 1000 1600
			II	150 360 560 1200 2000 3200
可选	(option)	Motor 1.1KW/1.5KW/60HZ	I	115 205 345 530 940 1575
			II	230 410 690 1060 1880 3150
外形尺寸 (长 × 宽 × 高)	Overall dimension		1060×750×1760 mm	
包装尺寸 (长 × 宽 × 高)	Packing dimension		950×760×1885 mm	
净重 / 毛重	NW/GW Weight		360/390 kg	

随机标准附件:

- 钻夹头 Ø1-Ø13mm/B18
- T型螺母 M12×55
- 退刀楔
- 变径套 MT4/MT3

Standard Accessories included:

- Drill chuck Ø1-Ø13mm/B18
- T-nuts M12×55
- Tilted wedge
- Adjustable sets MT4/MT3

DRILLING & MILLING MACHINE

钻 铣 床 DH40CTV



速度显示
· 方便读数
Digital speed display
· Easy to read

主轴套筒行程显示
· 0.01mm 精度的数字显示
· 毫米 / 英寸转换
Spindle sleeve travel display
· Digital, accuracy of the display 0.01 mm.
· Reversible mm/inch

带有冷却箱的冷却装置
· Coolant equipment and coolant tank



DH40CTV

机床技术参数 / Specification

型号	Model		DH40CTV	
产品编号	Code No.		2514000	
钻孔能力	铸铁	Drilling capacity	cast iron	Ø40 mm
	低碳钢		mild steel	Ø32 mm
面铣直径	Face mill capacity		Ø76 mm	
立铣直径	End mill capacity		Ø25 mm	
工作台尺寸	Working table size		730×210 mm	
水平工作台尺寸	Working table cross travel		490×180 mm	
底座尺寸	Dimension of base		670×470 mm	
立轴中心至床身垂直面距离	distance spindle to column		278 mm	
主轴头左右倾斜角度	Head tilt left right		±45°	
T型槽尺寸	T-slot size		3-14×63 mm	
主轴锥度 (可选)	Spindle taper(option)		MT3 or MT4	R8 or ISO30
主轴端面至工作台面最大距离	Max distance spindle to table		600 mm	
卧轴端面至工作台面最大距离	Max distance nose to base		1180 mm	
主轴行程	Spindle travel		120 mm	
主轴转速	Spindle speed(rpm)	Motor 1.1KW/1.5KW/50HZ	I	75-435
			II	435-2500
外形尺寸 (长 × 宽 × 高)	Overall dimension		1060×1760×980 mm	
包装尺寸 (长 × 宽 × 高)	Packing dimension		1000×760×1970 mm	
净重 / 毛重	NW/GW Weight		360/390 kg	

MILLING

随机标准附件:

- 钻夹头 Ø1-Ø13mm/B18
- T型螺母 M12×55
- 退刀楔
- 变径套 MT4/MT3

Standard Accessories included:

- Drill chuck Ø1-Ø13mm/B18
- T-nuts M12×55
- Tilted wedge
- Adjustable sets MT4/MT3

DRILLING & MILLING MACHINE

钻 铣 床 MB4P/MB4PV



标准附件：

- 三轴磁栅
- X轴自动走刀器
- 铣刀吊紧拉杆
- LED工作灯
- 冷却系统

Standard Accessories:

- 3-axis magnetic
- X-axis power feed
- Draw bar
- LED lamp
- Coolant pump

可选附件：

- 58件套铣床夹具 M12 套装铣夹头 (8件/套) 规格 4-16mm
- 套装立铣刀 (20件/套)
- 铣床机用平口钳 QG125
- 可转位端面铣刀 $\phi 63\text{mm}/\text{MT3}$ (or MT4)
- 立卧两用精密回转工作台 ERT-HV150
- X轴自动进给

Optional equipment:

- 58pcs clamping tool kit M12x1.75 Milling chuck set (8pcs/set) size 4-16mm
- End milling cutter set(HSS 20pcs)
- Milling vice QG125
- Face milling cutter $\phi 63\text{mm}/\text{MT3}$ (or MT4)
- H/V Precision rotary table ERT-HV150
- X-axis power feeder

机床技术参数 /Specification

型号	Model	MB4P	MB4PV
产品编号	Code No.	2204580	2504580
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø45 mm	Ø45 mm
面铣直径	Milling capacity cutter head(max.)	Ø80 mm	Ø80 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø32 mm	Ø32 mm
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle holding fixture	MT4 orR8	MT4 orR8
套筒直径	Sleeve diameter	Ø75 mm	Ø75 mm
套筒行程	Sleeve travel	120 mm	120 mm
主轴轴线至立柱表面距离	Distance spindle-column	258 mm	258 mm
钻头	DRILL-MILL HEAD		
主轴倾斜角度	Spindle inclined angle	±60°	±60°
主轴转速	Spindle speed	95-3200 rpm	60-2760 rpm
十字工作台	CROSS TABLE		
工作台 (长×宽)	Tabel(L×W)	800x240 mm	800x240 mm
X轴行程	X-axis travel	560 mm	560mm
Y轴行程	Y-axis travel	230 mm	230 mm
Z轴行程	Z-axis travel	350 mm	350 mm
T型槽尺寸/距离/数量	T-slot size/distance/number	14 mm/ 80 mm /3	14 mm/ 80 mm /3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	460 mm	460 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	1.5 KW/1.1 KW	1.5 KW/230 V/50 HZ
外形尺寸及重量	DIMENSIONS AND WEIGHT		
外形尺寸 (长×宽×高)	size(L×W×H)	1250x945x1920 mm	1250x945x1920 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	950x1240x2160 mm	1240x930x2050 mm
净重/毛重	Net weight/Gross weight	515/590 kg	480/530 kg

VARIABLE SPEED DRILL & MILL MACHINE

无级变速钻铣床 BF16 V

优质、高效、高性价比

- 应用广泛
- 2级变档
- 100 – 3000rpm无级变速
- 钻铣头90°任意倾斜调整
- 立柱侧面可调整作为今后进一步应用
- 简单清晰的控制面板
- 带有低压释放的人性化IP54安全开关
- 可固定所有行程
- 刀具锥度MT2
- 锥形滚珠轴承产生的精密同心度，主轴套筒
- 内测得的数据为小于0.015mm
- 3轴燕尾导轨运行平稳精确
- 铣削面干净整齐
- 带T型槽和冷却水槽的精加工十字工作台
- 可调高度的铣夹头防护罩
- 所有行程均有刻度显示
- 产品按制造商精度制造并有检测证书
- 性能稳定、性价比高

Convincing arguments: quality, efficiency and price

- Wide range of applications
- Two-step gear multiplication
- With dynamic infinitely variable drive from 100 to 3,000 rpm
- Drill-mill head is inclinable to any direction by 90° and thus allows milling and drilling operations at any angle position
- Upright laterally adjustable for further applications
- Simple and clear control panel
- User-friendly safety switch for IP 54 with low-voltage release
- Possibility of fixing for all travels
- Tool holding fixture MT2
- High concentricity precision due to taper roller bearings less than 0.015 mm measured in the spindle sleeve
- Stable and precise dovetail control adjustable via V-ledges on all 3 axes
- Clean cut surface of milled work by individually clampable cheeks
- Solid, precisely machined cross table with T-slots and coolant gutter
- Height-adjustable screening grid
- All travels are readable from scales
- Produced according to toolmaker's precision with test certificate
- Price-efficient and stable value

安全开关

带有急停按钮、低压释放的安全开关 (IP54)

Safety switch

- Easy-to-operate according to IP 54
- Low-voltage release
- Emergency-stop button

高同心度

小于 0.015mm 的精密同心度

High concentricity precision

- Due to taper roller bearings less than 0.015 mm measured in the spindle sleeve

十字工作台

带 T 型槽和水槽的十字工作台

Cross table

- Solid and precisely machined
- T-slots
- Coolant gutter
- Adjustable limit stops

长度刻度尺

嵌于工作台内的长度刻度尺

Length measuring scale

- Integrated in the cross table



钻铣头

可 90° 倾斜的钻 - 铣头

Drill-mill head

- Inclinable by $\pm 90^\circ$ to both sides for milling and drilling works in angular position, as required

立柱

精加工、带燕尾导轨

Column

- Solid and precisely machined
- Dovetail guiding

手轮

带定位刻度的进刀手轮

Handwheels

- Correct feed with positionable graduated scale on all handwheels

BF16 V

机床技术参数 / Specification

型号	Model	BF16 V
产品编号	Code No.	2501600
加工范围	CAPACITY	
钻孔直径	Drilling capacity(max.)	Ø16 mm
面铣直径	Milling capacity cutter head(max.)	Ø50 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø16 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle holding fixture	MT2/M10
套筒直径	Sleeve diameter	Ø60 mm
套筒行程	Sleeve travel	50 mm
主轴轴线至立柱表面距离	Distance spindle-column	188 mm
钻头头	DRILL-MILL HEAD	
主轴箱倾斜角度	Head rotation	±90°
主轴转速	Gear stages	L:100-1500 rpm H: 200-3000 rpm
十字工作台	CROSS TABLE	
工作台 (长×宽)	Table(L×W)	400×120 mm
Y轴行程	Y-axis travel	160 mm
X轴行程	X-axis travel	220 mm
Z轴行程	Z-axis travel	210 mm
T型槽尺寸/距离/数量	T-slot size/distance/number	10 mm / 35 mm / 3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	280 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	500 W
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸 (长×宽×高)	size(L×W×H)	510×470×745 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	483×444×857 mm
净重/毛重	Net weight/Gross weight	62/78 kg

- 标准附件: Standard Accessories:
- 铣刀吊紧拉杆 • Draw bar
 - 钻接杆 MT2/B16-M10 • Morse taper MT2/B16-M10

- 可选附件:
- 莫氏弹簧夹头 (5件/套) (4/6/8/10/12)
 - 套装立铣刀 (12/20件/套)
 - 自紧钻夹头 0-13mm/B16
 - 套装铣夹头 (8件/套) 4-16mm
 - 平口钳 QG100
 - 端面铣刀 Φ63/MT2
 - 床脚和油盘

- Optional equipment:
- Morse collet chuck MT2/M10(5pcs/set) (4/6/8/10/12)
 - End mill cutter kit HSS 12/20pcs/set
 - Keyless chuck 1-13mm/B16
 - Milling chuck kit Q24-16(8pcs/set) 4-16mm
 - Machine vice QG100
 - Face milling cutter ø63/MT2
 - Stand & chip tray



床脚和油盘为可选
Stand & chip tray is
for optional

VARIABLE SPEED DRILL & MILL MACHINE

无级变速钻铣床 BF20/20L V

优质、高效、高性价比

- 通过星形把手进行钻削
- 横向精密铣削
- 进给主轴无缝隙调节
- 可调的精确稳定的燕尾导轨
- 可调控制面板，操作简单、清晰
- 主轴行程速度数据可显示
- 电子无级变速驱动
- 铣头可±90°倾斜，可进行任何角度的钻铣削
- 通过手轮上的刻度定位进行精确进给

可选附件：

- 莫氏弹簧夹头 (5 件 / 套)
- 套装立铣刀 12/20 件 / 套
- 自紧钻夹头 0-13mm/B16
- Q24/16 套装铣夹头 (8 件 / 套) 规格 4-16mm
- 平口钳 QG100
- 端面铣刀 ø63/MT2
- 床脚和油盘

Optional Accessories:

- Morse collet chuck MT2/M10(5pcs/set)
- End mill cutter kit HSS 12pcs/set
- Keyless chuck 1-13mm/B16
- Milling chuck kit Q24-16(8pcs/set) size 4-16mm
- Machine vice QG100
- Face milling cutter ø63/MT2
- Stand & chip tray

标准附件：

- 铣刀吊紧拉杆
 - 钻接杆 MT2/B16 - M10
- Standard Accessories:
- Draw bar
 - Morse taper MT2/B16-M10

Convincing arguments: quality, efficiency and price

- Spindle sleeve feed via star grip (drilling)
- Fine crossfeed of spindle sleeve when milling
- Feed spindles can be adjusted without clearance due to adjustable spindle nuts
- Stable and precise dovetail control adjustable with V-ledges
- Expansion bellow as guide protection
- Easy and clear operation due to adjustable control panel
- All travels speed are readable on scales
- Electronic infinitely variable drive
- The drill head can be inclined by ± 90°, thus permitting milling and drilling operations at any angular position
- Accurate infeed by positioning graduated collar on any handwheels

电机

- (850W) 功率传输 2 级倍增
- 恒定电流控制的直流电机

Motor

- Two-stage multiplication for a powerful transmission of the motor power (850 W)
- DC motor with permanent current control

电子元件控制

- 使用可选件 NC 控制器通过集成继电器控制实现机床自动开启和关闭

Control electronics

- It is possible to switch the machine on and off using the optional NC controller via an integrated relay control

转速

- 100 至 3000rpm 大范围可连续调节
- 正反转

Speeds

- Large, continuously adjustable speed range from 100 to 3,000 rpm
- Right-/left-handed rotation



主轴套筒行程显示

- 0.01mm 精度的数字显示
- 毫米 / 英寸转换

Spindle sleeve travel display

- Digital, accuracy of the display 0.01 mm.
- Reversible mm/inch

微进给

- Manual fine feed

立柱

- 立柱两边可进行 30mm 的调整、倾斜机头可延长工作台上工件加工的行程

Column

- Relocatable by 30 mm to both sides, thus there are longer travels also with tilted head and central processing of the workpiece on the cross table

嵌入工作台内的长度测量尺

- Imbedded in the cross table



机械可调的限位装置

- Mechanical
- Adjustable

BF20 V

机床技术参数 / Specification

型号	Model	BF20 V	BF20L V
产品编号	Code No.	2502000	2502100
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø20 mm	Ø20 mm
面铣直径	Milling capacity cutter head(max.)	Ø63 mm	Ø63 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø20 mm	Ø20 mm
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle holding fixture	MT2/M10	MT2/M10
套筒直径	Sleeve diameter	Ø60 mm	Ø60 mm
套筒行程	Sleeve travel	50 mm	50 mm
主轴轴线至立柱表面距离	Distance spindle-column	201 mm	201 mm
钻铣头	DRILL-MILL HEAD		
主轴箱倾斜角度	Head rotation	±90°	±90°
主轴转速	Gear stages	L:90-1480 rpm H:150-3000 rpm	L:90-1480 rpm H:150-3000 rpm
十字工作台	CROSS TABLE		
工作台 (长×宽)	Table(L×W)	500×180 mm	700×180 mm
Y轴行程	Y-axis travel	175 mm	175 mm
X轴行程	X-axis travel	280 mm	480 mm
Z轴行程	Z-axis travel	280 mm	280 mm
T型槽尺寸/距离/数量	T-slot size/distance/number	12 mm / 63 mm / 3	12 mm / 63 mm / 3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	380 mm	380 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	850 W	850 W
外形尺寸及重量	DIMENSIONS AND WEIGHT		
外形尺寸 (长×宽×高)	size(L×W×H)	722×550×770 mm	950×550×770 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	606×554×917 mm	770×714×917 mm
净重/毛重	Net weight/Gross weight	103/130 kg	112/139 kg

DRILLING&MILLING HEAD

钻 铣 头 BF20AV

型号	Model	BF20 AV
货号	Item no.	2502055
电器容量	Electrical connection	
电机	Motor	850 W 230 V / 1 Ph ~50 Hz
钻孔能力	Drilling capacity	
钻孔能力	Drilling capacity in steel (S235JR)	Ø20 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø18 mm
主轴	Spindle seat	
套筒直径	Sleeve diameter	Ø60 mm
主轴锥度	Spindle seat	MT2 / M10
钻铣头	Drill-milling head	
摆动角度	Swivel range	± 90°
主轴转速	Spindle speeds	L:90~1480 rpm H:150~3000 rpm
最大尺寸	Length x width x height max.	825x530x570 mm
净重/毛重	Net weight / Gross weight	67/84 kg



BF20 AV

VARIABLE SPEED DRILL & MILL MACHINE

无级变速钻铣床 BF30V/BF46 V

优质、高效、高性价比

- 无级变速
- 厚重铸铁制造
- 锥形滚珠轴承产生的高同心度
- 主轴箱可 $\pm 45^\circ$ 回转
- 高强度燕尾导轨适合高精度高稳定性的加工
- 可选床脚，厚重结实，让加工更稳定无振动
- 钻削深度限位
- 攻丝模式
- 自动模式
- CNC控制预备
- 高性价比、性能稳定

Convincing arguments: quality, efficiency and price

- Variable speed free working
- Heavy solid casting
- High concentricity precision due to taper roller bearings
- Gearhead $\pm 45^\circ$ rotatable
- Solid dovetail slideway, hand-scraped, provides for highest stability and optimum precision
- Optional, solid, heavy substructure provides for stability and vibration-free working
- Drill depth stop
- Threading mode
- Automatic mode
- CNC prepared (special spindle bearing of the axes and assembly options of the Y-axis housing from the rear side)
- Price-efficient and stable value

主轴转速

- 从 115-3100rpm 的无级变速调节

Spindle speeds

- Infinitely variable speed adjustment from 115 to 3100 rpm

控制面板

- 速度数字显示，急停按钮
- 操作模式 / 转动方向选择开关

Control panel

- Digital speed display
- Emergency-stop push button
- Selector switch operating mode/rotating direction

深度显示

- 数字显示 (显示精度 0.01mm)
- 公 / 英制转换 (毫米 / 英寸)

Depth gauge

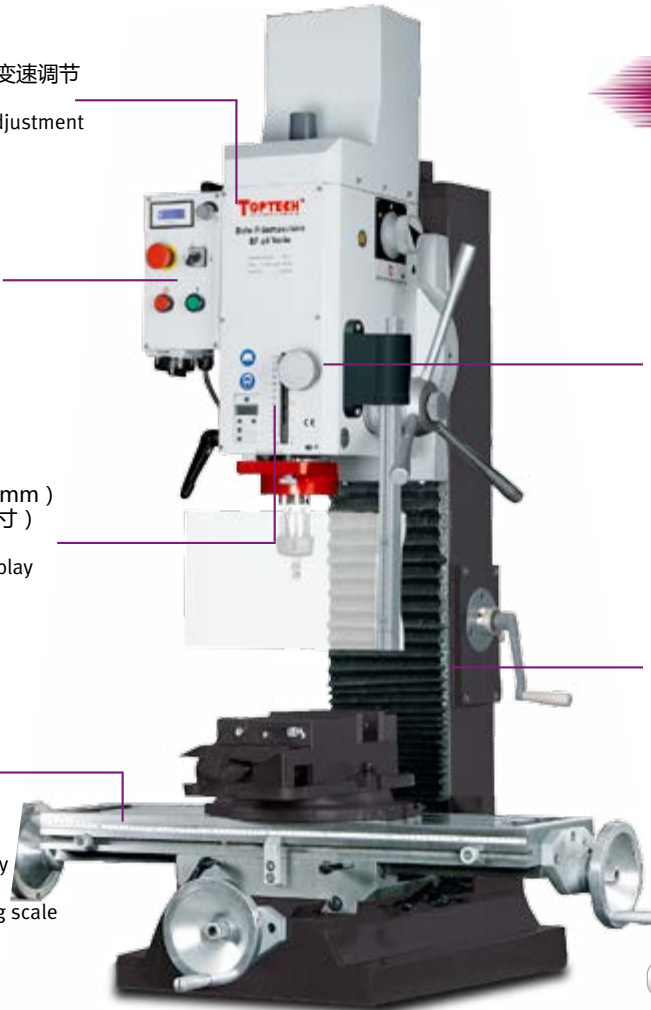
- Digital accuracy of the display 0.01 mm
- Reversible mm/inch

十字工作台

- 大尺寸、表面精加工
- 带长度刻度尺
- 限位可调

Cross table

- Solid, precise, largely dimensioned and precisely machined surface
- Included length measuring scale
- Adjustable limit stops



主轴套筒进给

- 通过星形把手进行钻削
- 粗进给 / 微进给转换
- 微进给手柄

Spindle sleeve feed

- Via star grip (drilling)
- Coupler to change from manual rough feed to manual fine feed
- Handwheel for spindle sleeve fine feed

立柱

- 精密结实的燕尾导轨
- 高稳定性高精度

Column

- With solid dovetail slideway, hand-scraped, provides for highest stability and optimum precision

BF46 V

标准附件：

- 铣刀吊紧拉杆
- 钻接杆 MT3/B16 (BF30V)
- ISO40/B16 (BF46V)

Standard Accessories:

- Draw bar
- Morse taper MT3/B16
- ISO40/B16



- 床脚和油盘为可选
- Stand & chip tray is for optional

机床技术参数 /Specification

型号	Model	BF30 V	BF46 V
产品编号	Code No.	2503000	2504600
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø35 mm	Ø45 mm
面铣直径	Milling capacity cutter head(max.)	Ø75 mm	Ø80 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø30 mm	Ø32 mm
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle holding fixture	MT3/SK30	MT4/SK40
套筒直径	Sleeve diameter	Ø68	Ø80
套筒行程	Sleeve travel	100 mm	115 mm
主轴轴线至立柱表面距离	Distance spindle-column	240 mm	290 mm
钻头	DRILL-MILL HEAD		
主轴箱倾斜角度	Head rotation	±45°	±45°
主轴转速	Gear stages	L:100-1100 rpm M:160-1700 rpm H:320-3100 rpm	L:115-600 rpm M:270-1400 rpm H:590-3100 rpm
十字工作台	CROSS TABLE		
工作台 (长×宽)	Tabel(L×W)	750x210 mm	850x240 mm
X轴行程	X-axis travel	450 mm	500 mm
Y轴行程	Y-axis travel	200 mm	260 mm
Z轴行程	Z-axis travel	470 mm	540 mm
T型槽尺寸/距离/数量	T-slot size/distance/number	12 mm / 63 mm / 3	18 mm / 80 mm / 3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	470 mm	550 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	2.2KW DC brushless motor	2.2KW DC brushless motor
外形尺寸及重量	DIMENSIONS AND WEIGHT		
外形尺寸 (长×宽×高)	size(L×W×H)	1073×791×1324 mm	950×1210×1520 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	844×844×1342 mm	904×904×1535 mm
净重/毛重	Net weight/Gross weight	266/318 kg	426/492 kg

可选附件:

- 石英工作灯 JC34A
- 冷却系统
- 58 件套铣床夹具
M10x1.5 (BF30 V) M16x2.0(BF46 V)
- 套装铣夹头 (8 件 / 套) MT3 (BF30 V)
SK40 (BF46 V)
规格 4-16mm
- 套装立铣刀 (20 件 / 套)
- 铣床机用平口钳 QG150
- 可转位端面铣刀 Ø80mm/MT3
- 全钢床脚及油盘
- 三轴数显装置
- 立卧两用精密回转工作台 ERT-HV150
- 工作台自动进给器

Optional equipment:

- Halogen system
- Coolant pump
- 58pcs clamping tool kit
M10x1.5 (BF30 V) M16x2.0(BF46 V)
- Milling chuck set (8pcs/set) MT3 (BF30 V)
SK40 (BF46 V)
size 4-16mm
- End milling cutter set(HSS 20pcs)
- Milling vice QG150(150mm)
- Face milling cutter Ø80mm/MT3
- Steel stand and chip tray
- X/Y/Z 3-axis DRO
- H/V Precision rotary table ERT-HV150
- Table power feed

DRILLING & MILLING MACHINE

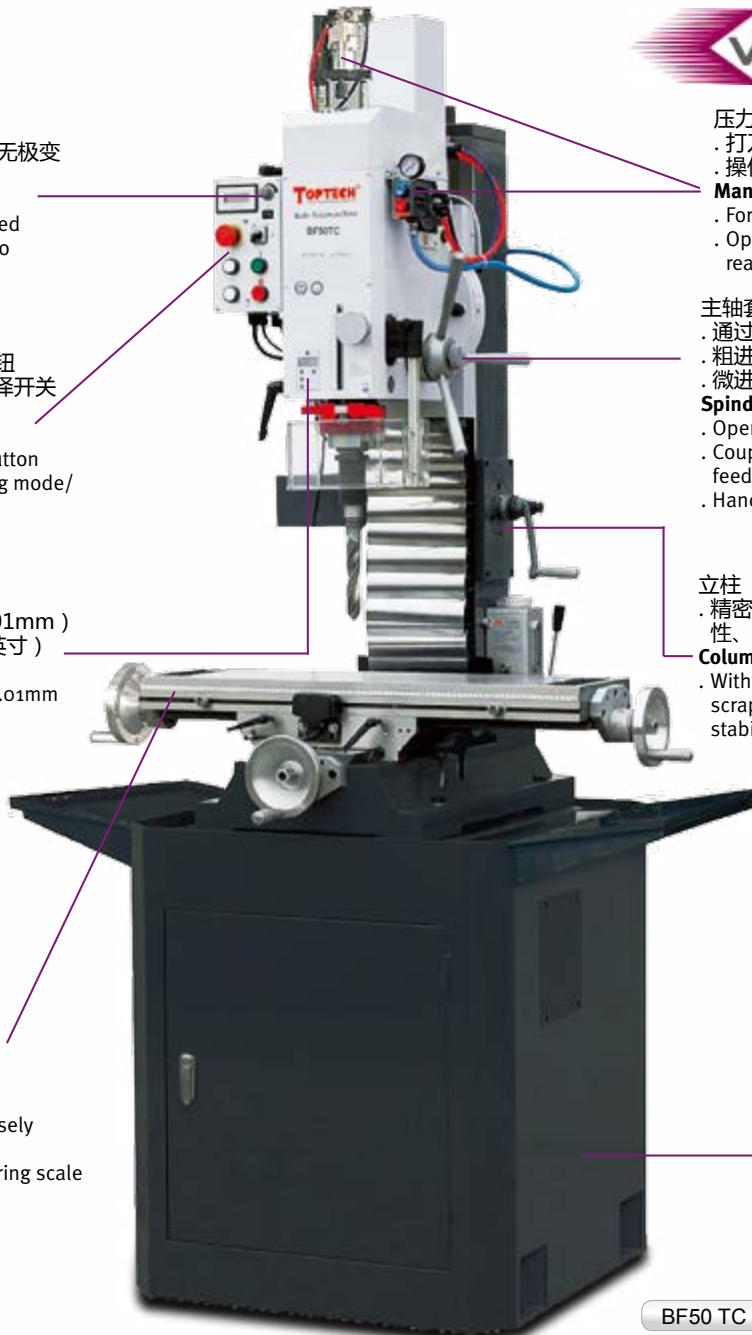
钻 铣 床 BF50 TC

优质、高效、高性价比

- 高强度铸铁
- 无极变速
- 高同心度滚锥轴承，套筒测量精度高于0.015mm
- 齿轮头可± 60°偏转
- 齿轮头的燕尾滑轨保证机床的高稳定性和最佳精度
- 可选的高强度钢底座
- 钻削深度可调
- 攻丝模式
- 自动模式
- CNC预留（特殊滚轴丝杆及Y轴从后部安装的安装套件）
- 集中润滑系统
- 性价比高
- 打刀缸，Z轴电动升降

Convincing arguments: quality, efficiency and price

- Heavy, solid casting
- Infinitely variable drive
- High concentricity precision due to taper roller bearings, higher than 0.015 mm measured in the spindle sleeve
- Gearhead ± 60° slewable
- Solid dovetail slideway of the gearhead provides for highest stability and optimum precision
- Optional, solid, heavy steel substructure provides for stability
- Drill depth stop
- Threading mode
- Automatic mode
- CNC prepared (special spindle bearing of the axes and assembly options of the Y-axis housing from the rear side)
- Central lubricating for spindle, screw nut and slideways
- Cost-efficient and of stable value
- For tool changer, Z-axis power feed



- 主轴转速**
- 从 115-3100rpm 的无极变速调节
- Spindle speeds**
- Infinitely variable speed adjustment from 115 to 3100rpm

- 控制面板**
- 速度数字显示，急停按钮
 - 操作模式 / 转动方向选择开关
- Control panel**
- Digital speed display
 - Emergency-stop push button
 - Selector switch operating mode/rotating direction

- 深度显示**
- 数字显示（显示精度 0.01mm）
 - 公 / 英制转换（毫米 / 英寸）
- Depth gauge/Digital**
- Accuracy of the display 0.01mm
 - Reversible mm/inch

- 十字工作台**
- 大尺寸、表面精加工
 - 可长度测量
 - 限位可调
- Cross table**
- Solid, precise, largely dimensioned and precisely machined surface
 - Included length measuring scale
 - Adjustable limit stops

- 压力表**
- 打刀缸
 - 操作压力可读
- Manometer**
- For tool changer
 - Operating pressure well readable

- 主轴套筒进给**
- 通过操作手柄进行钻削
 - 粗进给 / 微进给转换
 - 微进给手柄
- Spindle sleeve feed**
- Operating handle(drilling)
 - Coupler to change from manual rough feed to manual fine feed
 - Handle for spindle sleeve fine feed

- 立柱**
- 精密结实的燕尾导轨保证了高稳定性、高精度加工
- Column**
- With solid dovetail slideway, hand-scraped, provides for highest stability and optimum precision

床脚和油盘为可选
Stand & chip tray
is for optional

BF50 TC

机床技术参数 /Specification

型号	Model	BF50 TC
产品编号	Code No.	2505000
加工范围	CAPACITY	
钻孔直径	Drilling capacity(max.)	Ø45 mm
面铣直径	Milling capacity cutter head(max.)	Ø80 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø32 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle holding fixture	SK40/MT4
套筒直径	Sleeve diameter	Ø80 mm
套筒行程	Sleeve travel	115 mm
主轴轴线至立柱表面距离	Distance spindle-column	290 mm
钻铣头	DRILL-MILL HEAD	
主轴箱倾斜角度	Head rotation	±60°
主轴转速	Gear stages speed	L:115-600 rpm M:270-1400 rpm H:590-3100 rpm
十字工作台	CROSS TABLE	
工作台 (长×宽)	Tabel(L×W)	850x240 mm
X轴行程	Y-axis travel	500 mm
Y轴行程	X-axis travel	260 mm
Z轴行程	Z-axis travel	540 mm
T型槽尺寸/距离/数量	T-slot size/distance/number	18 mm / 80 mm / 3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	550 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	2.2 KW DC brushless motor
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸 (长×宽×高)	Overall dimension(L×W×H)	1230×948×1519 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	1210×950×1320 mm
净重/毛重	Net weight/Gross weight	480/525 kg

细节展示 Details



· 手动润滑泵
· Lubricant pump

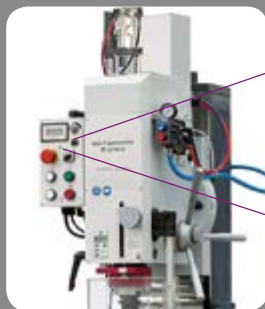


· 气动换刀
· Pneumatic tool changer



· Z轴电动升降
· Z-axis power feed

细节展示 Details



自动模式
在自动模式下, 电机能够自动的开始操作和自动的回到原始状态, 无须重复使用按钮来控制其开始和停止
In the automatic mode, the engine will start automatically upon lifting the lever and stops in the initial position. This way, it is not necessary to press the push button Start and Stop for repeated drilling tasks

攻丝模式
当向下扳动星形把手时电机启动, 开始攻丝。丝锥旋转方向是通过按动深度调节尺上的开关来实现。
The engine is being activated by moving the star grip downward. The turning direction is changed by pressing the end switch on the adjustable drilling depth stop

DRILLING & MILLING MACHINE



钻 铣 床 MH2V/MH20V/MH22V

优质、高效、高性价比

- 两级齿轮换挡
- 100-3000rpm电子无级变速驱动
- 三轴燕尾导轨运行平整精确，且行程数据可显示
- 刀具锥度MT2 (MH20V); 刀具锥度BT20, 简易换刀装置 (MH22V)
- 触摸式控制面板, 操作简易、清晰
- LED工作灯, 套筒行程显示采用磁删尺读数
- 铣头可90°倾斜, 可进行任意角度的钻铣削
- 带有可调节高度的双层铣夹头防护罩
- 性能稳定、性价比高

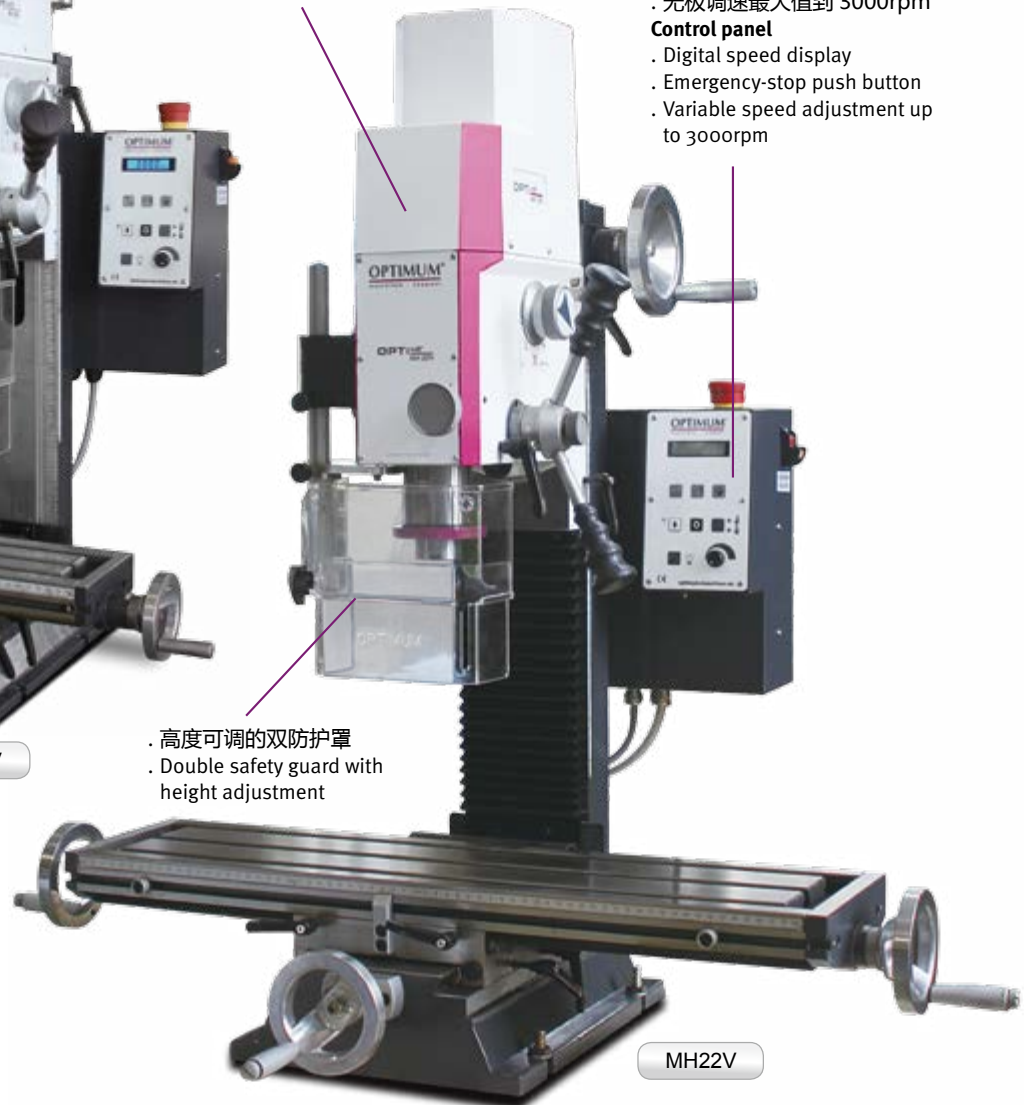
Convincing arguments: quality, efficiency and price

- Two-step gear-transmission
- 100-3000rpm electronic infinitely variable drive
- Stable dovetail guiding precision ground and scrapped with re-adjustable V-legs, and all travel speed are readable on scales
- Tool holding-fixture MT2 (MH20V); Tool holding-fixture BT20 with simple tool-change system (MH22V)
- Easy and clear operation due to touch panel
- LED lamp, sleeve travel is readable through magnetic-scale
- The drill head can be inclined by $\pm 90^\circ$, thus permitting milling and drilling operation at any angular position
- With double-layer height-adjustable screening grid
- Price-efficient and stable value



MH20V

- 主轴刀柄自动快换
- With spindle tooling quick change system



控制面板

- 速度数字显示
- 急停按钮
- 无极调速最大值到 3000rpm

Control panel

- Digital speed display
- Emergency-stop push button
- Variable speed adjustment up to 3000rpm

- 高度可调的双防护罩
- Double safety guard with height adjustment

MH22V

机床技术参数 /Specification

型号	Model	MH 12V	MH 20V	MH 22V
货号	Item number	2501200	2501800	2502200
电机	Motor			
插头电源	Electrical connection	230V 50HZ	230V 50HZ	230V 50HZ
电机功率	Motor power	450 W	750 W	950 W
加工范围	Milling capacity			
钢制品切削量	Drilling capacity in steel (S235JR)	Ø13 mm	Ø20 mm	Ø20 mm
钢制品连续切削量	Continuous drilling capacity in steel (S235JR)	Ø11 mm	Ø16 mm	Ø16 mm
铣刀最大尺寸	Milling head dimension max.	Ø50 mm	Ø63 mm	Ø63 mm
立铣刀最大尺寸	End mill dimension max.	Ø16 mm	Ø20 mm	Ø20 mm
主轴	Spindle seat			
主轴行程	Spindle stroke	60 mm	50 mm	50 mm
主轴类型	Spindle seat	MT2	MT2	BT20
主轴到立柱距离	Throat	145 mm	170 mm	170 mm
套筒直径	Spindle sleeve diameter	/	Ø60 mm	Ø60 mm
拉杆	Draw-in rod	M10	M10	/
钻头	Drilling-milling head			
主轴转速	Spindle speed	80-2500 rpm	90-3000 rpm	90-3000 rpm
齿轮档位数	Gear stages/Steps	Gear:2	Gear:2	Gear:2
主轴箱倾斜角度	Inclination of spindle head	/	±90°	±90°
十字工作台	Cross table			
工作台长 × 宽	Table length x table width	390×100 mm	500×180 mm	670×180 mm
T型槽尺寸 / 距离	T-slot size /distance	10 mm/30 mm	12 mm/63 mm	12 mm/63 mm
主轴到工作台距离	Distance spindle - cross table	260 mm	280 mm	370 mm
行程	Travel			
X轴行程	Travel X axis	240 mm	220 mm	480 mm
自动 / 手动	automatic/ manual	manual	manual	manual
Y轴行程	Travel Y axis	100 mm	175 mm	175 mm
自动 / 手动	automatic/ manual	manual	manual	manual
Z轴行程	Travel Z axis	200 mm	210 mm	370 mm
自动 / 手动	automatic/ manual	manual	manual	manual
尺寸	Dimensions			
外形尺寸	Overall dimension(L×W×H)	/	796×552×795 mm	755×643×872 mm
包装尺寸	Packing size(L×W×H)	/	770×714×917 mm	750×764×937 mm
净 / 毛重	N.W./G.W.	/	90/117 kg	116/143 kg

随机标准附件:

- T型螺钉 M8×60(M10×60, MH22V)
- 螺母 M8(M10, MH22V)
- 垫片 8(10, MH22V)
- 十字起子, 一字起子
- 六角扳手 2.5/3/4/5/6/8
- 呆扳手 8-1/12-14/16-18/25(16-18/25, MH22V)

Standard Accessories included:

- T-solt bolt M8×60(M10×60, MH22V)
- nut M8(M10, MH22V)
- washer 8(10, MH22V)
- crosshead-screwdriver/straight
- allen key 2.5/3/4/5/6/8
- fixed spanner 8-1/12-14/16-18/25(16-18/25, MH22V)

DRILLING & MILLING MACHINE

钻 铣 床 MH25V/MH25SV

优质、高效、高性价比

- 用户易使用的主界面
- 平衡力使Z轴易调整
- 无级转速控制
- 摇臂轻松变换工具
- 主轴螺母调节主轴走刀器
- 全方位360°导向 (润滑油打滑)
- 精加工
- 三轴之间可自由调整角度
- 钻洗头可 $\pm 45^\circ$ 旋转
- 左右手轮可自动切换
- 带微动开关的升降界面框体
- 3轴燕尾导轨运行平稳精确
- MH 25SV
- 所有轴带无极变速
- X-/Y轴快速定位
- 数显表DRO5

Convincing arguments: quality, efficiency and price

- User-friendly membrane key pad
- Counterweight eases the adjustment of the Z axis
- Infinitely variable speed control
- Easy tool change by using a rocker arm
- Feed spindles adjustable by readjustable spindle nuts
- All guideways are ground and sight scrapped (oil pockets for greasing)
- Precisely manufactured
- Angular contact bearings in the axis, can be adjusted free of play
- Drilling-milling head slewable by $\pm 45^\circ$
- Right-hand/left-hand rotation
- Height-adjustable screening grid with micro switch
- Stable dovetail guiding precision ground and scrapped with re-adjustable V-ledges
- MH 25SV:
- Infinitely variable feed in all axis
- Rapid feed X-/Y-axis for rapid positioning
- Digital speed display DRO 5



MH25V

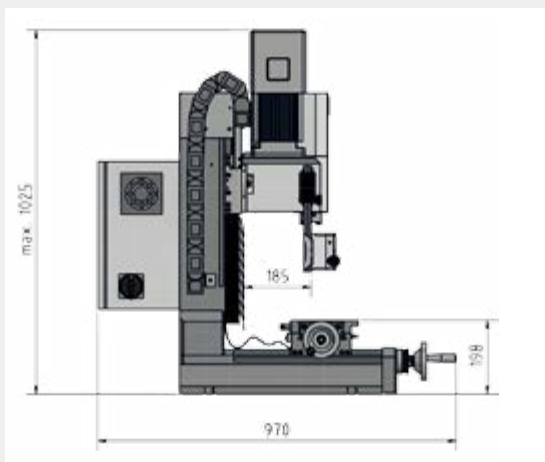
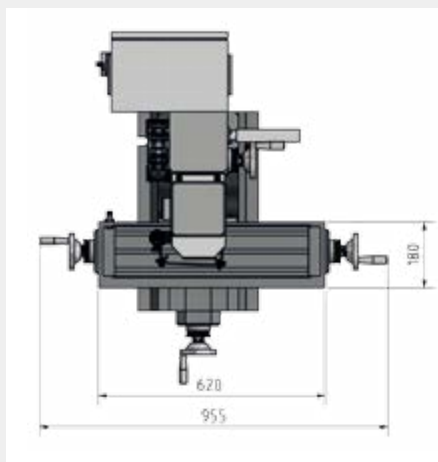


MH25SV

机床技术参数 /Specification

型号	Model	MH25V	MH25SV
货号	Item no.	2502500	2502600
技术数据	TECHNICAL DATA		
插头电源	Electrical connection	230V 50HZ 1PH	230V 50HZ 1PH
电机功率	Motor power	1.5 KW	1.5 KW
加工范围	Drilling capacity		
钢制品最大钻孔能力	Drilling capacity in steel (S235JR)	Ø 20 mm	Ø 20 mm
最大铣削能力 (面铣)	Face milling dimension max.	Ø 50 mm	Ø 50 mm
最大铣削能力 (立铣)	End milling dimension max.	Ø 25 mm	Ø 25 mm
主轴	Spindle seat		
主轴类型	Spindle seat	BT30	BT30
主轴中心到立柱表面距离	Throat	185 mm	185 mm
钻头	Drilling-milling head		
主轴箱旋转角度	Swivel range	90°	90°
主轴转速	Spindle speed	200-4000 rpm	200-4000 rpm
十字工作台	Cross table		
工作台长度	Table length	620 mm	620 mm
工作台宽度	Table width	180 mm	180 mm
T型槽尺寸	T-slot size	12 mm	12 mm
行程	Travel		
X轴行程	X axis	400 mm	400 mm
Y轴行程	Y axis	210 mm	210 mm
Z轴行程	Z axis	270 mm	270 mm
三轴驱动电机扭矩	Torque driving motor		
X/Y/Z行程	X-/Y-/Z axis	/	2.2 / 2.2 / 4.2 Nm
自动进给走刀量	Automatic feed quantity		
X轴行程	X axis	/	150 / 930 mm/min.
Y轴行程	Y axis	/	100 / 580 mm/min.
Z轴行程	Z axis	/	80 / 450 mm/min.
尺寸	Dimensions		
外型尺寸	Length×width×height	914×844×1119 mm	914×844×1119 mm
净重/毛重	N.W./G.W.	192/242 kg	200/250 kg

Dimensions



DRILLING & MILLING MACHINE

钻 铣 床 MH28V

优质、高效、高性价比

- 齿轮头高强度燕尾导轨适合高精度高稳定性的加工
- 水平工作台稳固耐用，高精度，大尺寸而且工作台表面精密加工
- EMC滤波器（保护感光电子器件受电源信号干扰）
- 所有导轨经精加工处理
- 机床三轴上装有两排径向止推滚珠轴承便于自由调节
- 内部电气工作电压为24V而不是230V（避免危险）
- 使用可选配的CNC控制器通过集成的继电器控制可以开关机床
- 导轨处有风擎罩保护
- 正反旋转开关
- 钻铣头可倾斜90度，可用于不同角度的钻铣工作
- 钻夹头防护罩尺寸大、高度可调节并带微动开关，有利防护铁屑飞溅和零件滑脱带来的危险

Convincing arguments: quality, efficiency and price

- Solid dovetail guideway of the gearhead provides for highest stability and optimum precision
- Solid, precise cross table, largely dimensioned and precisely machined surface
- EMC filter (to protect sensitive electronics for override mains-borne signals)
- All guideways are ground and sight scrapped (oil pockets for greasing)
- The machines are equipped with 2-rowed angular ball bearings in the axes allowing to adjust them free of play.
- Internal electrical works with 24 volts instead of 230 volts (risk potential)
- It is possible to switch the machine on and off using the optional CNC controller via an integrated relay control
- Bellow as guide protection
- Right-/left handed rotation
- Drilling milling head tiltable by $\pm 90^\circ$ for milling and drilling works at different angles
- Height-adjustable protective screen with micro switch providing maximum protection of the user against chips and parts flying off at high speed



转速

- 无级变速转速范围大，从100-2,500rpm
- 数显表显示清楚
- 正反旋转开关

Speeds

- Large, speed variable speed range from 100 - 2.500 rpm
- Clear readable digital speed display
- Right-/left handed rotation

启动-停止连接

- 可选CNC控制器

Start- Stop connection

- optional CNC controller

立柱

- 立柱两边可进行30mm的调整、倾斜机头可延长工作台上工件加工的行程

Column

- Relocatable by 30 mm to both sides, thus there are longer travels also with tilted head and central processing of the workpiece on the cross table

限位装置

- 机械的
- 可调

Limit stops

- Mechanical
- Adjustable

铣头支撑板

- 经铲刮处理

Support plate milling head

- sharpened and scraped

Z立柱和X轴

- 预留宽度为10mm的槽，以便随后安装磁栅尺的时候只要简单地用胶水粘上就行了

Z column and X axis

- Prepared groove of a width of 10 mm for subsequent assembly of the magnetic tapes by simply gluing them



Z立柱

- 背面带孔，方便向梯形主轴内注油或者润滑再循环滚珠丝杆

Z column

- Rear side with hole, in this way, it is easy to oil the trapezoid spindle or to grease the recirculating ball screw

水平工作台

- 结构紧密，精度高
- 表面精加工
- 带T型槽
- 可调导轨
- 3手轮可调

Cross table

- Compact and precise
- Precisely machined at the surface
- T-slots
- Adjustable V-ledges
- Adjustable via 3 handwheels

MH 28V

机床技术参数 /Specification

型号	Model	MH 28 V
货号	Item no.	2502800
电器容量	Electrical connection	
电机	Motor	1.1 kW 230 V / 1 Ph ~50 Hz
加工范围	Drilling capacity	
钻孔能力	Drilling capacity in steel (S235JR)	Ø28 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø25 mm
主轴	Spindle seat	
套筒直径	Throat	Ø70 mm
主轴锥度	Spindle seat	MT3 or R8
钻头头	Drill-milling head	
摆动角度	Swivel range	± 90°
主轴转速	Spindle speeds	100 - 2500 rpm
十字工作台	Cross table	
工作台长度	Table length	730 mm
工作台宽度	Table width	210 mm
T型槽尺寸	T-slot size	14 mm
行程	Travel	
X轴行程	Travel X-axis	440 mm
Y轴行程	Travel Y-axis	190 mm
Z轴行程	Travel Z-axis	380 mm
尺寸	Dimensions	
长x宽x高	Length x width x height max.	940x730x1140 mm
净重/毛重	NW./GW.	205/240 kg

标准附件：
· 铣刀吊紧拉杆
· 钻接杆 MT4/B16

Standard Accessories:
· Draw bar
· Morse taper MT4/B16

- 新床脚 (可选)
- New stand for operation



- 可选附件
通用底座构架
· 油盘
通用冷却装置
· 冷却箱尺寸：370 x 245 x 170 mm



- Optional Accessories:
Universal base frame
· Chip tray
Universal-Coolant equipment
· Tank size : 370 x 245 x 170 mm

DRILLING & MILLING MACHINE

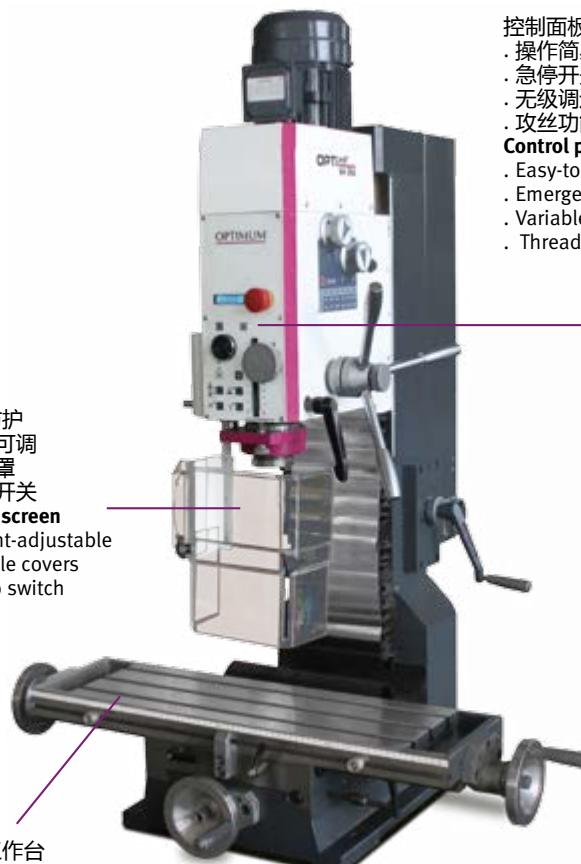
钻 铣 床 MH35G/MH35V/MH50G/MH50V

优质、高效、高性价比

- 高强度铸件结构
- 无级调速 120~3600 rpm
- 正、反转
- 头箱可 $\pm 60^\circ$ 偏转
- 导轨可调
- 深度限位
- 快换刀具系统
- 全封闭齿轮箱设计，噪音低

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Variable speed 120~3600 rpm
- Right-hand/left-hand rotation
- Gear head slewable by $\pm 60^\circ$
- Adjustable V-ledges
- Drill depth stop
- With spindle tooling quick-change system
- Quiet operation due to the full-closed gear-box design



MH35G

控制面板

- 操作简易
- 急停开关
- 无级调速 120~3600 rpm
- 攻丝功能

Control panel

- Easy-to-operate
- Emergency-stop push button
- Variable speed 120~3600 rpm
- Threading function

主轴防护

- 高度可调
- 双护罩
- 微动开关

Safety screen

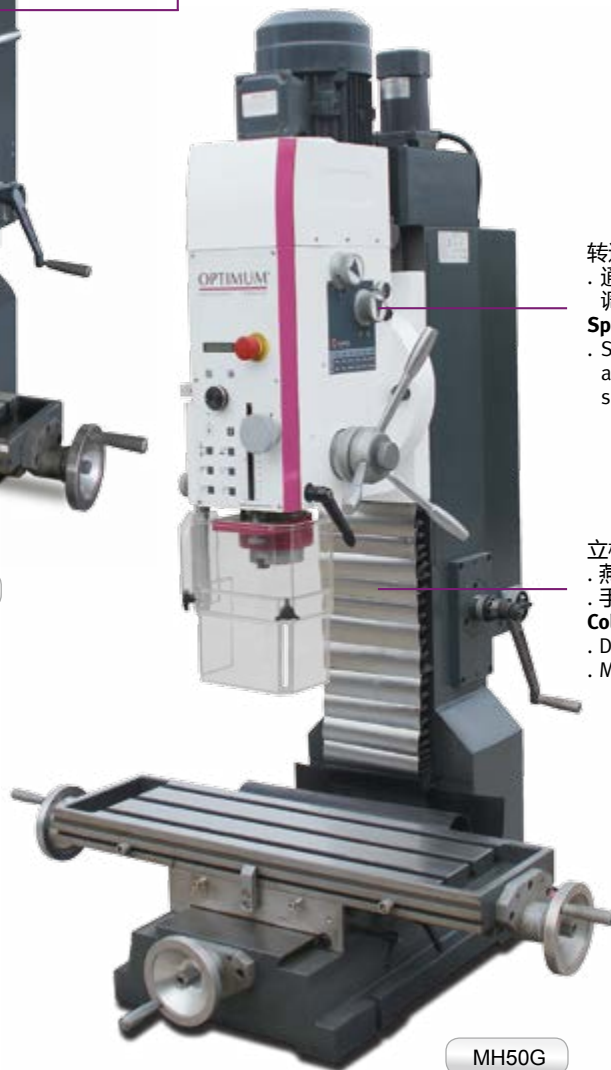
- Height-adjustable
- Double covers
- Micro switch

十字工作台

- 导轨可调
- 带 T 型槽
- 通过 3 个手轮调节
- 带长度测量尺
- 限位可调

Cross table

- Adjustable V-ledges
- Including T-slots
- Adjustable via 3 handwheels
- Incorporated length measurement scale
- Adjustable limit stops



MH50G

转速调节

- 通过拨档手柄轻易调节

Speed change

- Simply by actuating the gear selector switch

立柱

- 燕尾导向
- 手工铲刮

Column

- Dovetail guide
- Manually scraped

机床技术参数 /Specification

型号	Model	MH35G / MH35V	MH50G / MH50V
货号	Item no.	2703500 / 2503500	2705000 / 2705100
技术数据	TECHNICAL DATA		
插头电源	Electrical connection	400V 50HZ 3PH	400V 50HZ 3PH
电机功率	Motor power	1.1/1.5 KW / 1.5 KW	1.5/2.2 KW / 2.2 KW
加工范围	Drilling capacity		
钢制品钻孔能力	Drilling capacity in steel (S235JR)	Ø 32 mm	Ø 38 mm
钢制品连续切削量	Continuous drilling capacity in steel (S235JR)	Ø 28 mm	Ø 32 mm
最大铣削能力 (平铣)	Face milling dimension max.	Ø 80 mm	Ø 80 mm
最大铣削能力 (面铣)	End milling dimension max.	Ø 28 mm	Ø 32 mm
主轴	Spindle seat		
主轴行程	Spindle stroke	90 mm	115 mm
主轴类型	Spindle seat	BT30	BT40
主轴中心到立柱表面距离	Throat	215 mm	260 mm
钻铣头	Drilling-milling head		
主轴箱旋转角度	Swivel range	60°	60°
主轴转速	Spindle speed	220-3260 rpm / 50-3260 rpm	220-3260 rpm / 50-3260 rpm
十字工作台	Cross table		
工作台长度	Table length	750 mm	850 mm
工作台宽度	Table width	210 mm	240 mm
T型槽尺寸	T-slot size	12 mm	18 mm
行程	Travels		
X轴行程	X axis	max. 450 mm	max. 520 mm
Y轴行程	Y axis	max. 200 mm	max. 260 mm
Z轴行程	Z axis	max. 460 mm	max. 460 mm
尺寸	Dimensions		
外型尺寸	Length×width×height	864×844×1577 mm	924×964×1809 mm
净重/毛重	N.W./G.W.	316/376 kg / 306/366 kg	525/595 kg / 515/585 kg

DRILLING & MILLING MACHINE

钻 铣 床 MFI V

优质、高效、高性价比

- 厚重结实的高级米哈奈特铸铁制造
- 所有轴燕尾导轨可调
- 锥形滚珠轴承产生的高运转精度，主轴套筒内测得的数据为小于0.01mm
- 主轴自动进给
- 主轴、丝杆螺母和导轨采用中央润滑
- 铣头可左右90度回转
- 主轴机头支撑可90度回转

Convincing arguments: quality, efficiency and price

- Heavy, solid type made of high-grade Meehanite casting
- All axes with adjustable dovetail guide
- High true running accuracy due to taper roller bearings of less than 0.01 mm measured in the spindle sleeve
- Automatic spindle sleeve feed
- Central lubricating for spindle, screw nut and guideways
- Milling head can be slewed to the left and right by 90°
- Spindle head support slewable by ± 90°

强大的无刷驱动器 Powerful Brushless drive

- 特别地平稳运行
- 转矩在整个速度范围内基本不变
- Particularly smooth running
- Nearly constant torque over the entire speed range



控制面板

- 速度数字显示
- 左右旋转
- 急停按钮
- 电位计
- 按钮停止/启动

Control panel

- Digital speed display
- Right-/left handed rotation
- Emergency-stop push button
- Potentiometer
- Push button stop / start

钻削深度可调

- 使用毫米范围内可调节
- 前面可读

Drilling depth stop

- Adjustable using the millimetre scale
- Readable at the front

安全防护罩

- 高度可调节
- 大尺寸
- 微动开关

Safety screen

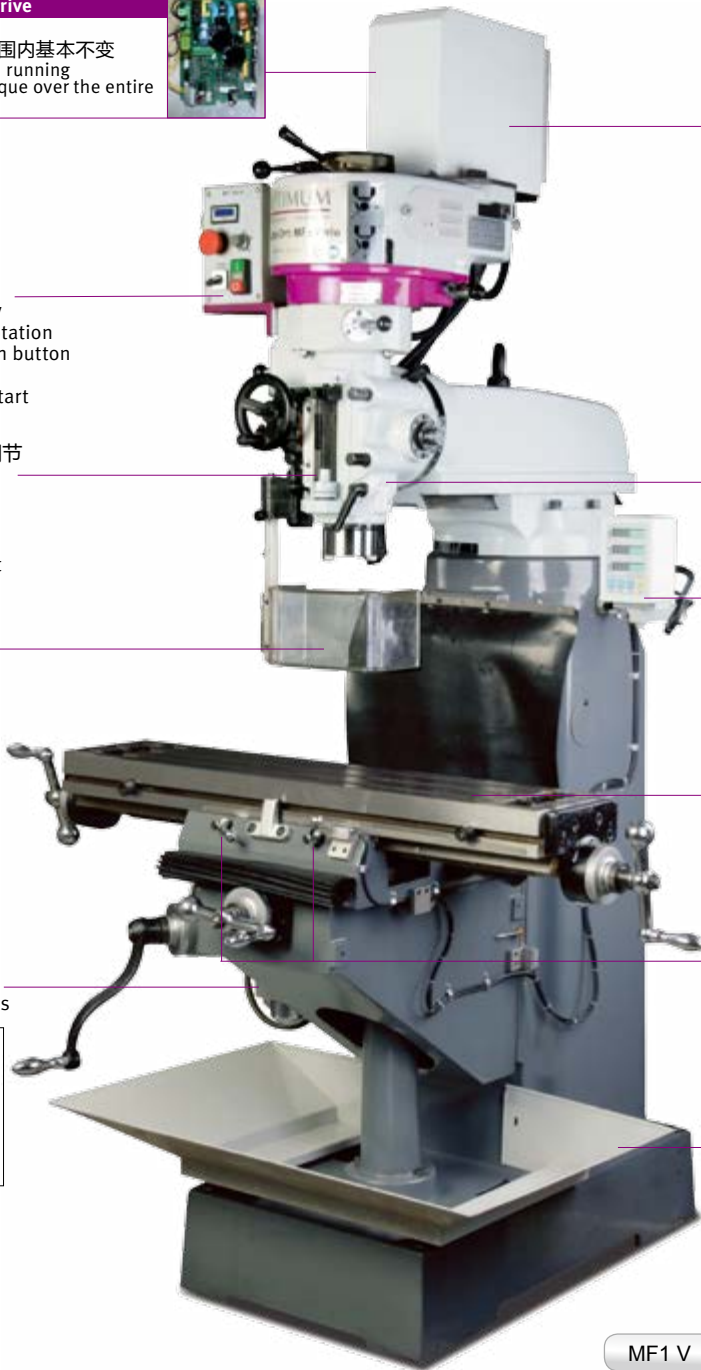
- Height-adjustable
- Largely dimensioned
- Micro switch

中央润滑

- 十字工作台和Z轴

Central lubricating

- Cross table and Z axis



主轴转速

- 无极变速控制变频器
- 非常广泛的转速范围

Spindle speeds

- Infinitely variable speed control with frequency converter
- Very wide speed range

铣头

- 可倾斜±90°

Milling head

- Slewable by ±90°

数显装置

- 三轴数显 (X-Y-Z)
- 可单独编程
- 三排五段显示

Digital Read Out DRO

- Compact digital 3-axes position display (X - Y - Z)
- Individually programmable
- Three-row five-segment display

十字工作台

- 高强度、高精度、大尺寸
- 表面精加工

Cross table

- Solid, Precise, Largely dimensioned
- Precisely machined at the surface

X轴

- 可调节的开关

X axis

- Adjustable limit stops

油盘

- 可移动

Chip tray

- Removable

MF1 V

机床技术参数 / Specification

型号	Model	MF 1 V
货号	Item no.	2310080
电压	Electrical connection	230 V / 1 Ph ~50 Hz
电机功率	Motor	2.2 kW
加工范围	Drilling-milling capacity	
钢制品钻孔能力	Drilling capacity in steel (S235JR)	Ø 30 mm
钢制品连续切削量	Continuous drilling capacity in steel (S235JR)	Ø 21 mm
最大铣削能力 (平铣)	Milling head dimension max.	Ø 63 mm
最大铣削能力 (面铣)	End mill dimension max.	Ø 20 mm
主轴	Spindle seat	
主轴行程	Spindle stroke	127 mm
主轴类型	Spindle seat	ISO 40 DIN 2080
钻铣头	Drilling-milling head	
主轴箱旋转角度	Swivel range	± 90°
主轴回转角度	Inclination of spindle head carrier	± 180°
主轴转速	Spindle speed	50 - 6300 rpm
齿轮级数	Gear stages Vario	6 steps, electrically adjustable speed
主轴套筒自动进给	Automatic spindle sleeve feed	0.04 / 0.08 / 0.16 mm/rev
十字工作台	Cross table	
工作台尺寸	Table length x table width	915 x 200 mm
最大承载重量	Load of cross table (max.)	160 kg
T型槽尺寸/距离	T-slot size /distance	16 mm / 64 mm / number 3
主轴端面至工作台面最大距离	Distance spindle - cross table	360 mm
行程	Travels	
X轴行程	Travel X axis	570 mm
Y轴行程	Travel Y axis	210 mm
Y轴行程的主轴头支架	Travel Y axis spindle head support	330 mm
Z轴行程	Travel Z axis	365 mm
尺寸	Dimensions	
包装尺寸	Length x width x height	1350 x 1050 x 2015 mm
重量	Total weight	850 kg

DRILLING & MILLING MACHINE

多功能钻铣床 MT2BV

优质、高效、高性价比

- 厚重结实的高级米哈奈特铸铁制造
- 无级变速驱动
- 结实的Z轴矩形导轨
- 所有轴均带可调燕尾导轨
- 可调钻削深度限位带刻度尺
- 锥形滚珠轴承产生的高同心度，主轴套筒内测得的数据为小于0.01mm
- 主开关带电机保护，带急停开关按钮
- 主轴自动进刀
- 攻丝正反转开关

标准附件

- 操作工具
- 油盘
- 3轴数显
- X轴自动进给器
- 冷却装置
- LED工作灯

Standard accessories

- Operating tool
- Chip tray
- 3-axis digital position display
- X-axis power feeder
- cooling pump
- LED working lamp

Convincing arguments: quality, efficiency and price

- Heavy, compact model made of high-grade Meehanite casting
- Variable drive for stepsless vario speed
- Solid rectangular guideways for Z-axis
- All axes with adjustable dovetail guideway
- Adjustable drill depth stop with millimeter scale
- High true running accuracy due to taper roller bearings, better than 0.01 mm measured in the spindle sleeve
- Main switch with motor protection, emergency-stop push button
- Automatic spindle sleeve feed
- Chip tray
- Right-/left handed rotation for tapping

可选附件

- Y/Z轴自动进给器
- 气动拉杆
- 机用平口钳 QG100
- 58件套套夹夹具 (M14x2)
- 套装铣夹头 J7325(8件/套)
- 套装铣夹头 J7325(15件/套)

Optional accessories

- Y/Z-Axis power feeder
- Air power draw bar
- Milling vice QG100
- 58pcs Clamping Fixture(58pcs/set)
- Milling chuck set J7325(8pcs/set)
- Milling chuck set J7325(15pcs/set)

操作面板带数字定位显示

- 易操作
- 大量缩减生产时间
- 可在床身左右侧回转

Operating panel with digital positioning display

- Easy-to-operate
- Considerable reduction of the manufacturing times
- Slewable to the left and right side of the machine

冷却装置

- 带有定量阀和停止阀
- 个别塑料器件带各种水管

Coolant equipment

- Dosing valve and stop valve
- Variable hose of individual plastic elements

水平工作台

- 高强度
- 高精度
- 大尺寸
- 表面精加工

Cross table

- Solid
- Precise
- Largely dimensioned
- Precisely machined at the surface

钻铣头

- 可向两边倾侧

Drill-milling head

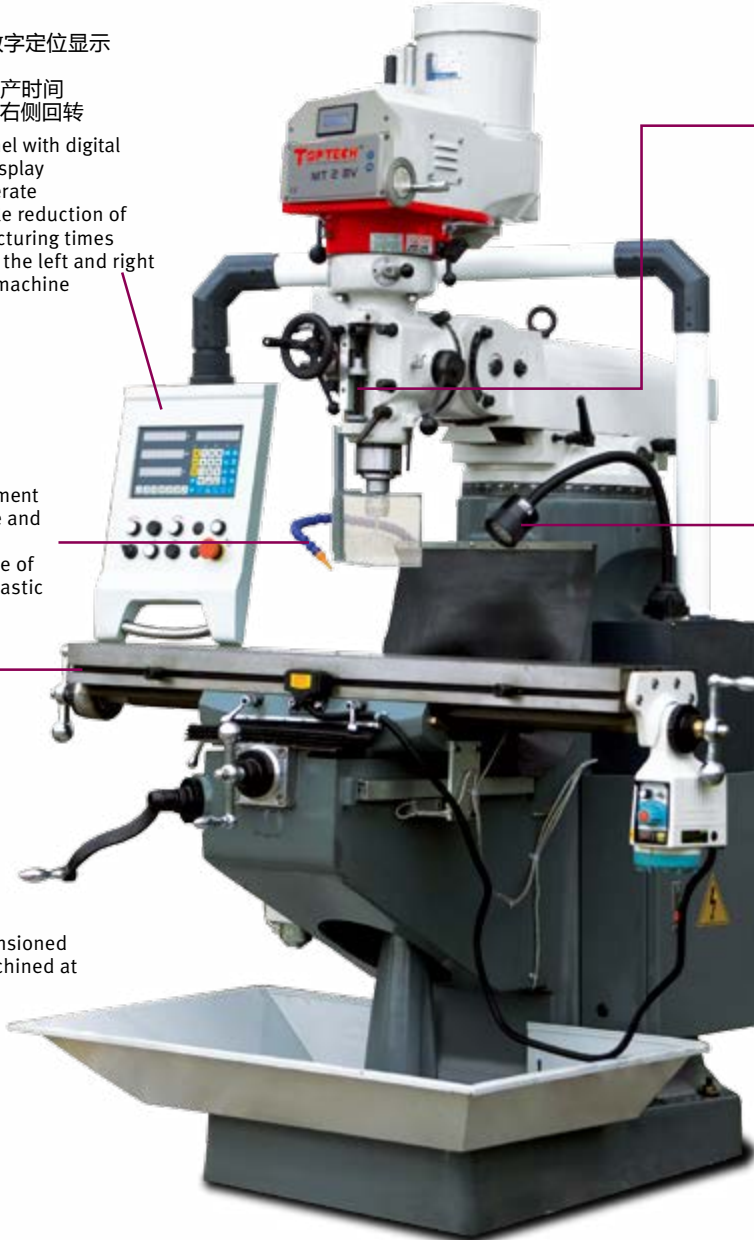
- Inclinal to both sides

工作灯

- 光线集中的LED灯
- 带阳极氧化处理，半宽辐射循环的反射器

Machine lamp

- Concentrated LED light
- Anodized, semi-wide radiating round reflector



MT2BV

机床技术参数 / Specification

型号	Model	MT 2 BV
货号	Item no.	2320080
电器容量	Electrical connection	
总电机功率	Motor ~50 Hz	2.2 kW 230 V / 1 Ph ~50 Hz
冷却泵功率	Motor cooling pump	40 W
钻头	Drill-milling head	
钻孔能力	Drilling capacity in steel (S235JR)	Ø 18 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 16 mm
最大卧铣直径	Milling head dimension max.	Ø 75 mm
最大立铣直径	End mill dimension max.	Ø 20 mm
主轴	Spindle seat	
主轴行程	Spindle travel	127 mm
主轴锥度	Spindle taper	ISO 40 (DIN 2080)
套筒直径	Throat	Ø 86 mm
钻头	Drill-milling head	
主轴转速	Spindle speed	60 - 4200 rpm
主轴自动进给	Automatic spindle sleeve feed	0.086/0.045/0.142 mm/rev
主轴头前后倾斜角度	Inclination of spindle head	± 45°
十字工作台	Cross table	
工作台尺寸	Table length x Table width	1245 x 230 mm
T型槽尺寸宽度/距离/数量	Slot size /Distance	16 mm/63 mm/3
最大承载重量	Load of cross table (max.)	350 kg
行程	Travel	
X轴行程	Travel X-axis automatic	730 mm
Y轴行程	Travel Y-axis manual	320 mm
Z轴行程	Travel Z-axis manual	390 mm
尺寸	Dimensions	
长	Length	1660 mm
宽	Width	1800 mm
高	Height	2040 mm
净重/毛重	N.W./G.W.	1100 /1280 kg

细节展示 Details



控制面板
· 可向床身两边倾侧

Control panel
· Inclinable to both sides of the machine



X轴走刀器
· 带无级变速调节

X-axis power feed
· with infinitely variable speed adjustment



无级变速
· 机械无极变速驱动
· 主轴转速60-4'200rpm

variable speed
· Mechanical stepless driver
· Spindle speed 60 - 4'200 rpm

VERTICAL & HORIZONTAL DRILLING & MILLING MACHINE

立卧两用钻铣床 MT50/MT50V

优质、高效、高性价比

- 厚重结实的高级缓震铸铁制造
- 微进给操作
- X轴手动/自动进给
- 通过加装卧铣挂架可夹持侧面铣刀
- 立铣位置的操作带钻削，有角度的钻削，以及最大程度的铣操作

标准附件

- 钻夹头
- 变径套
- 变径套
- 操作工具
- 冷却装置
- LED工作灯
- X轴进给器

Standard accessories

- Drill chuck Ø 3 - 16mm / B18
- Reducing bush 7:24 MK4 / MK3
- Reducing bush 7:24 MK4 / MK2
- Operating tool
- Coolant equipment
- Machine lamp
- x-axis power feeder

Convincing arguments: quality, efficiency and price

- Heavy, compact model made of high-grade vibration absorbing cast iron
- Spindle sleeve feed operating handle (drilling) or with fine feed handwheel to manual fine feed
- The X-axis can be selectively moved with the handwheel or via the feed device
- For operations in horizontal milling position with counter support and support for side milling cutters, adjustable slide bearing
- For operations in vertical milling position with drilling, inclined drilling and at the most milling operations

可选附件

- 机用平口钳QG100
- 58件套夹具 (M12)
- 套装铣夹头 J7325(8件/套)
- 套装铣夹头 J7325(15件/套)
- 3轴数显

Optional accessories

- Milling vice QG100
- 58pcs Clamping fixture M12
- Milling chuck set J7325(8pcs/set)
- Milling chuck set J7325(15pcs/set)
- 3-axis digital position display

操作面板带数字行程显示

- 易操作
- 大量缩减生产时间
- 可在床身左右侧回转

Operating panel with digital positioning display

- Easy-to-operate
- Considerable reduction of the manufacturing times
- Slewable to the left and right side of the machine

钻头

- 可向两边倾侧
- Drill-milling head
- Inclined to both sides

可调主轴头

- 向前和向后移动
- Adjustment of spindle head
- move forward and backward

冷却装置

- 带有定量阀和停止阀
- 个别塑料器件带各种水管

Coolant equipment

- Dosing valve and stop valve
- Variable hose of individual plastic elements

水平工作台

- 高强度
- 高精度
- 大尺寸
- 表面精加工

Cross table

- Solid
- Precise
- Largely dimensioned
- Precisely machined at the surface

· 冷却水泵 Coolant pump

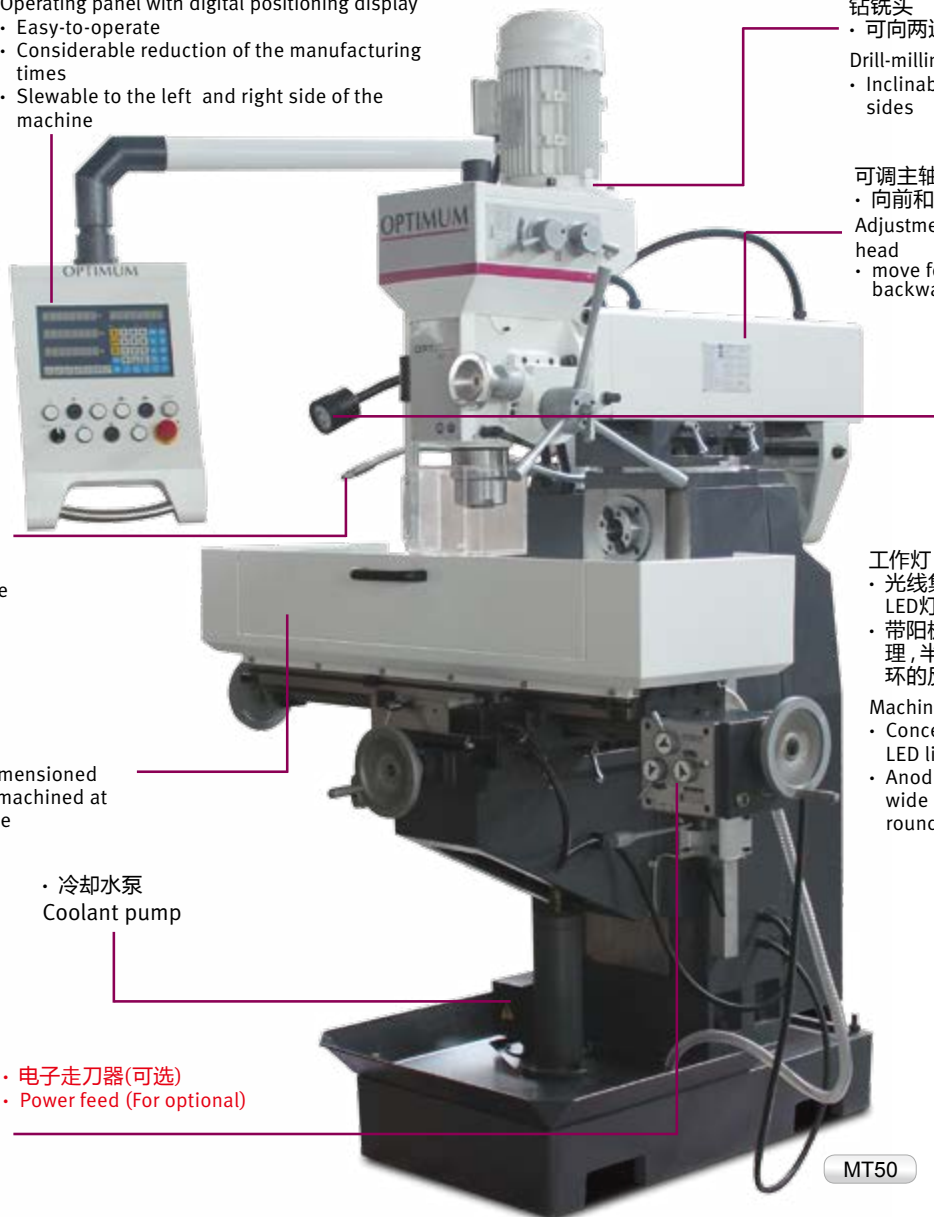
工作灯

- 光线集中的LED灯
- 带阳极氧化处理，半宽辐射循环的反射器

Machine lamp

- Concentrated LED light
- Anodized, semi-wide radiating round reflector

- 电子走刀器(可选)
- Power feed (For optional)



MT50

机床技术参数 / Specification

型号	Type	MT50	MT50V
货号	Item No	2205000	2205100
电器容量	Electrical connection		
总电机功率	Total connected value	4.5 kW 400 V ~50 Hz or 230 V~50 Hz	4.5 kW 400 V ~50 Hz or 230 V~50 Hz
卧铣电机功率	Motor horizontal spindle	1.5 kW	1.5 kW
立铣电机功率	Motor vertical spindle	1.1 / 2.2 kW	1.1 / 2.2 kW
冷却泵功率	Motor coolant pump	40 W	40 W
进给电机功率	Motor table	370 W	370 W
立铣	Spindle seat vertical		
主轴锥度	Spindle seat	SK 40	SK 40
主轴行程	Spindle stroke	120 mm	120 mm
钻孔能力	Drilling capacity in steel (S235JR)	Ø 50 mm	Ø 50 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 40 mm	Ø 40 mm
套筒直径	Throat	Ø 90 mm	Ø 90 mm
主轴转速	Spindle speed	115-1750 rpm	100-600/350-2000 rpm
齿轮级数	Gear stages	8 steps	2 steps
卧铣	Spindle seat horizontal		
主轴锥度	Spindle seat	SK 40	SK 40
钻孔能力	Drilling capacity in steel (S235JR)	Ø 50 mm	Ø 50 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 40 mm	Ø 40 mm
套筒直径	Throat	Ø 90 mm	Ø 90 mm
主轴转速	Spindle speed	60 - 1355 rpm	60 - 1355 rpm
齿轮级数	Gear stages	9 steps	9 steps
十字工作台	Cross table		
工作台尺寸	Table length x Width	1000x240 mm 1200x240 mm (For optional)	1000x240 mm 1200x240 mm (For optional)
T型槽尺寸	T-slot size	14 mm	14 mm
最大承载重量	Load capacity (max.)	160 kg	160 kg
主轴端面至工作台面距离	Distance spindle - crosstable	60-390 mm	60-390 mm
X轴自动行程	X-axis Travel	390 mm	390 mm
X轴工作台进给	X-axis Table feed	24 - 720 mm/min	24 - 720 mm/min
Y轴手动行程	Y-axis Travel manual	200 mm	200 mm
Z轴手动行程	Z-axis Travel manual	340 mm	340 mm
长x宽x高	Length x Width x Height	1400 x 1140 x 2200 mm	1400 x 1140 x 2200 mm
总重量	Total weight	900 kg	900 kg

细节展示 Details



卧铣位置
 • 加装卧铣挂架可夹持侧面铣刀
Horizontal milling position
 • For operations in horizontal milling position with counter support and support for side milling cutters



控制面板
 • 可向床身两边倾侧
Control panel
 • Inclinal to both sides of the machine



工作台走刀器
 • 自动走刀
 • 电机带X轴工作台齿轮式进刀
Table power feeder
 • Automatic
 • Motor with gear table feed X-Axis



水平工作台罩壳
 • 可拆翻
Housing cross table
 • folding

DRILLING & MILLING MACHINE



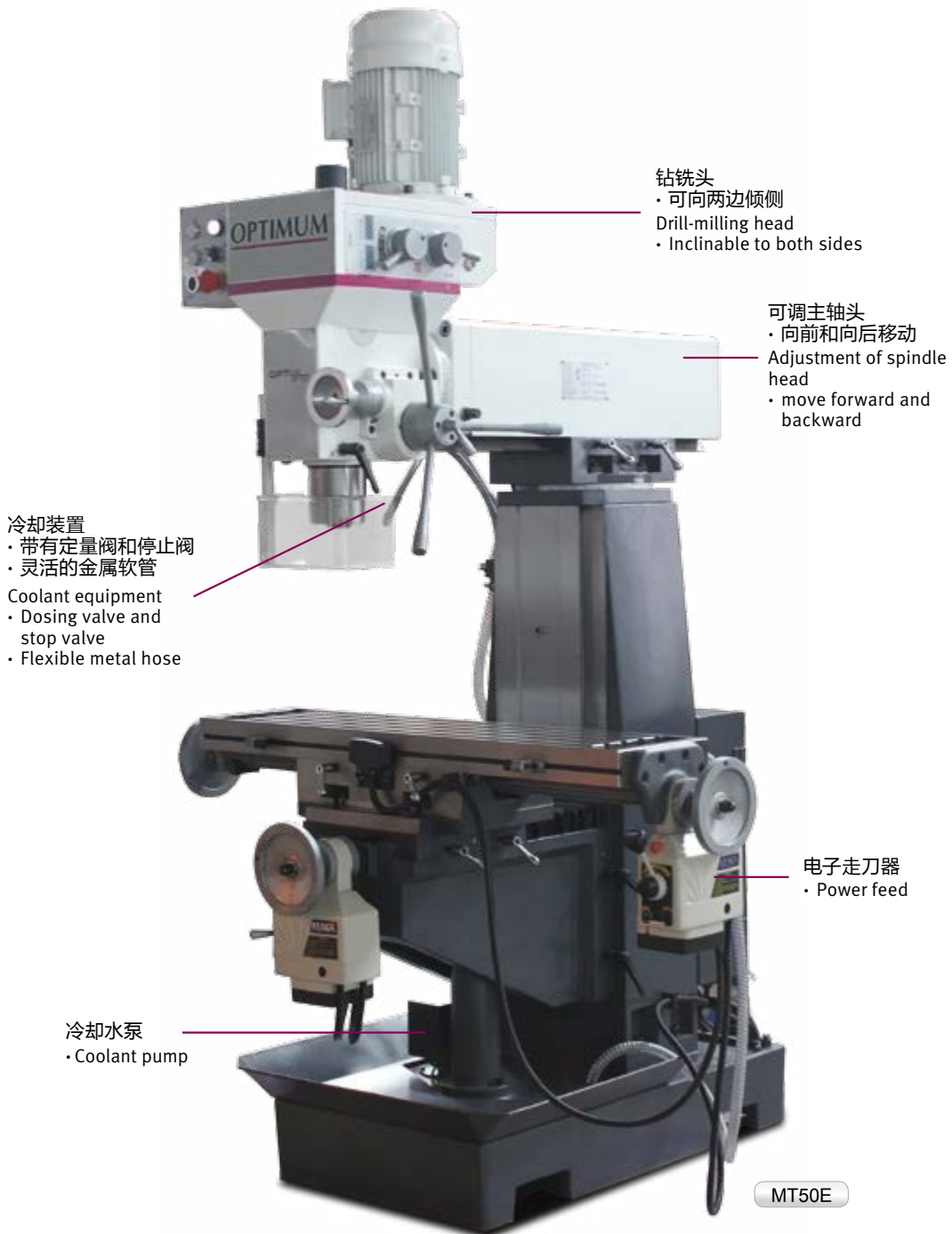
钻铣床 MT50E

优质、高效、高性价比

- 高级铸铁制造缓震
- 旋转铣头带齿轮箱
- 抛光淬火的齿轮浸在油槽内
- 可正转/反转
- 主轴走刀带微进给
- 通过联轴器将手动粗进给切换成手动微进给
- 高精度XY轴工作台，大尺寸，三轴燕尾导轨运行平稳精确
- X、Y轴自动走刀带速度调节
- X轴带自动可调的限位开关硬限位
- 机械主轴走刀，通过主轴套筒手柄钻孔
- 工作台燕尾导轨可调
- 带冷却系统
- 带LED灯

Convincing arguments: quality, efficiency and price

- Vibration absorbing cast design
- Pivoting milling head with gearbox
- Gears in oil bath with polished, hardened gear wheel
- Clockwise/Anti-clockwise rotation
- Spindle sleeve feed with fine feed
- Coupling for switching from manual coarse feed to manual fine feed
- Precision XY table, generously dimensioned with precision surface finish with adjustable V-ledges
- Automatic feed of X and Y axis with speed adjustment
- Automatic and adjustable limit switch cut-off of the X axis
- Mechanical spindle sleeve feed for drilling via spindle sleeve lever
- Dovetail guides of the table, adjustable via V-ledges
- Coolant system
- LED lamp



MT50E

机床技术参数 /Specification

型号	Model	MT50E
货号	Item No	2705000
最大立铣直径	Max.end drilling dia	Ø20 mm
钻孔能力	Drilling capacity in steel (S235JR)	Ø 30 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 25 mm
套筒直径	Throat	Ø 90 mm
主轴锥度	Spindle taper	NT40
主轴档位数	Spindle speed number	8(V)
主轴转速范围 (50/60Hz)	Spindle speed range(50/60Hz)	115-1750/140-2100 (V)
立铣主轴和立柱面的距离	Distance between Vertical spindle and surface of column	250-650 mm
立铣主轴与工作台面距离	Distance between Vertical spindle and surface of table	70-420 mm
立铣主轴行程	Vertical spindle travel	120(V) mm
工作台尺寸	Table size	1000×240 mm
工作台行程	Table travel	600×230 mm
T型槽尺寸	T-slot size	14 mm
X轴行程	X-axis Travel	600 mm
Y轴行程	Y-axis Travel	230 mm
Z轴行程	Z-axis Travel	350 mm
电机功率	Motor	YD100L-8/4 0.85/1.5KW(V)
外形尺寸	Overall size	1380×1220×2100 mm
净重 / 毛重	N.W/G.W	760/840 kg

随机标准附件:

- 钻夹头 Ø3-Ø16mm/B18
- 转接杆 ISO40/B18
- T型螺母 M14×55
- 退刀楔
- 变径套 ISO40-MT3 ; MT3/MT2

Standard Accessories included:

- Drill chuck Ø3-Ø16mm/B18
- Taper shank for drilling chuck ISO40/B18
- T-nuts M14×55
- Tilted wedge
- Adjustable sets ISO40-MT3 ; MT3/MT2

VERTICAL & HORIZONTAL DRILLING & MILLING MACHINE

立卧两用钻铣床 MT60



优质、高效、高性价比

- 厚重结实的高级缓震铸铁制造
- 通过主轴套筒手柄或手动微进给手轮实现主轴自动进给
- X轴手动/自动进给

Convincing arguments: quality, efficiency and price

- Heavy, solid design using premium vibration-absorbing grey cast material
- Spindle sleeve feed via spindle sleeve lever or manual fine feed hand wheel
- X axis can be moved optionally with the hand wheel or the table feed unit

操作面板

- 带数字行程显示
- 缩减生产时间
- 可在床身左右侧回转

Control panel

- With position display
- Reduction of the manufacturing times
- Slewable to the left and right side of the machine

- 主轴带自动走刀
- With spindle power down feed

工作台进给

- 自动走刀
- 电机带X轴工作台齿轮式进刀

Table feed

- Automatic
- Motor with gear table feed X-axis

冷却系统和油盘

- Collant pump and oil chip tray



MT60

机床技术参数 /Specification

型号	Model	MT60
货号	Item No	2206000
最大钻孔直径	Max.drilling dia	Ø30 mm
最大立铣直径	Max.end drilling dia	Ø25 mm
主轴锥度	Spindle taper	R8 or ISO30 or ISO40
主轴档位数	Spindle speed number	8(V)/9(H)
主轴转速范围 (50/60Hz)	Spindle speed range(50/60Hz)	90-2000/108-2400 (V) rpm
		40-1300/48-1560 (H) rpm
立铣主轴和立柱面的距离	Distance between Vertical spindle and surface of column	220-600 mm
立铣主轴与工作台面的距离	Distance between Vertical spindle and surface of table	125-460 mm
卧铣主轴与工作台面的距离	Distance between Horizontal spindle and surface of table	35-370(H) mm
立铣主轴行程	Vertical spindle travel	120(V) mm
工作台尺寸	Table size	1120X280 / 1270X280 mm
工作台行程	Table travel	600X260 / 750X260 mm
电机功率	Motor	2.2 KW
外形尺寸	Overall size	1580x1450x2150 mm
包装尺寸	Packing size	1700x1360x2240 mm
净重 / 毛重	N.W./G.W.	900/1300 kg

随机标准附件:

- 钻夹头 $\phi 3-\phi 16\text{mm}$ /B18
- 转接杆 ISO40/B18
- T型螺母 M14×55
- 退刀楔
- 变径套 ISO40-MT3 ; MT3/MT2

Standard Accessories included:

- Drill chuck $\phi 3-\phi 16\text{mm}$ /B18
- Taper shank for drilling chuck ISO40/B18
- T-nuts M14×55
- Tilted wedge
- Adjustable sets ISO40-MT3 ; MT3/MT2



卧铣位置
• 加装卧铣挂架,可夹持侧面铣刀

Horizontal milling position

- For operations in horizontal milling position with counter support and support for side milling cutters, adjustable slide bearing



工作台走刀器
• 自动走刀
• 电机带X轴、Y轴工作台齿轮式进刀
Table power feeder
• Automatic
• Motor with gear table feed X-Axis



控制面板
• 可向床身两边倾侧
Control panel
• Inclinal to both sides of the machine

DRILLING & MILLING MACHINE

多功能钻铣床 MT8

标准附件

- 套装铣夹头 J7316A/40 M16 Ø4-16mm
- 钻头Ø 1 - 16mm / B18
- 钻接杆 SK40/B18
- 变径套
- SK40/MK3 SK40/MK2
- 操作工具
- 卧铣位置的操作交错支持, 并支持侧铣刀
- 3轴数显
- 气动打刀缸
- 冷却装置
- 工作灯
- 卧式吊杆

Standard accessories

- Mill chuck set J7316A/40 M16 Ø4-16mm
- Drill chuck Ø 1 - 16mm / B18
- Arbor SK40/B18
- Reducer
- SK40/MK3 SK40/MK2
- Operating tool
- Counter support for horizontal milling with support for side milling cutter
- 3-axis position display
- Pneumatic tool changer
- Coolant equipment
- Machine lamp
- Horizontal boom

可选附件

- 机用平口钳 QG150/QG200
- 58件套铣夹具 M16
- 套装铣夹头 J7325-ISO40(8件套)
- 套装铣夹头 J7325-ISO40(15件套)

Optional accessories

- Vice QG150/QG200
- 58pcs mill fixture M16
- mill chuck J7325-ISO40(8pcs)
- Milling chuck set J7325-ISO40(15pcs)

操作面板带数字行程显示

- 易操作
- 大量缩减生产时间
- 可在床身左右侧回转

Operating panel with digital positioning display

- Easy-to-operate
- Considerable reduction of the manufacturing times
- Slewable to the left and right side of the machine

气动打刀缸

- 单手操作简单方便, 更换时间短
- 结构优化, 重量变轻
- 切换原理代理的安全锁扣功能
- 优化几何带来的精确制导
- 压缩空气消耗量最低

Pneumatic tool changer

- Short replacement times by one-hand operation
- Low weight due to optimised structure
- Safe locking due to toggle principle
- Precise guidance due to optimised geometry
- Lowest air consumption

钻头

- 功率强大
- **Drill-milling head**
- Powerful engine

十字工作台

- 高强度
- 高精度
- 大尺寸
- 表面精加工
- 快速电动调节高度

Cross table

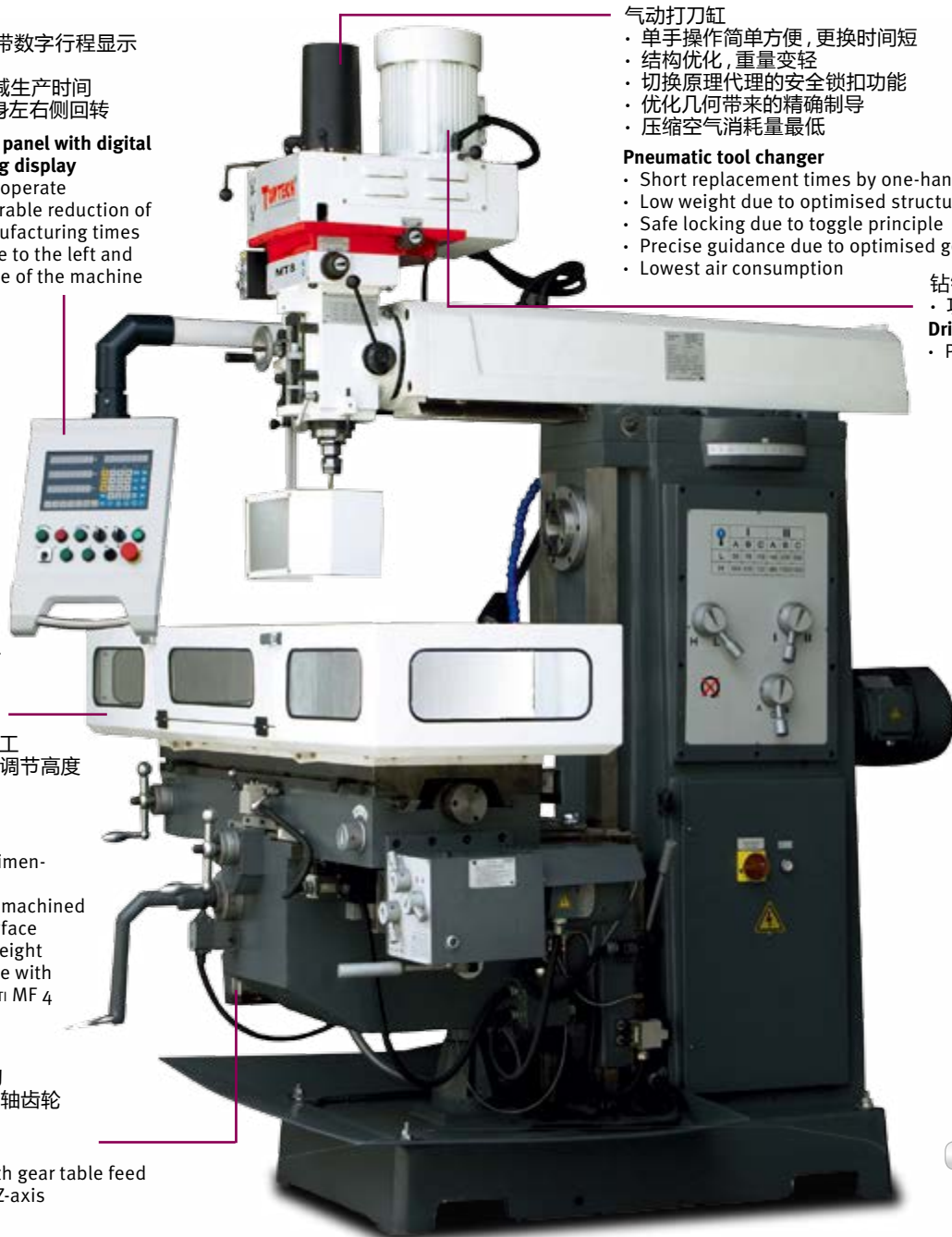
- Solid
- Precise
- Largely dimensioned
- Precisely machined at the surface
- Electric height adjustable with rapid (OPTI MF 4 Vario)

工作台走刀

- 电机带两轴齿轮式走刀

Table feed

- Motor with gear table feed X- Y-and Z-axis



MT8

机床技术参数 /Specification

型号	Model	MT8
货号	Item no.	2280000
电器容量	Electrical connection	
总电机功率	Total connected value	10 kW 400 V / 3 Ph ~50 Hz
卧铣电机功率	Motor vertical spindle	5.5 kW
立铣电机功率	Motor horizontal spindle	4 kW
冷却泵功率	Motor coolant pump	90 W
立铣	Spindle taper	
钻孔能力	Drilling capacity in steel (S235JR)	Ø 30 mm
持续钻孔能力	Continuous drilling capacity in steel (S235JR)	Ø 21 mm
最大面铣直径	Milling head dimension max.	Ø 125 mm
最大立铣直径	End mill dimension max.	Ø 25 mm
立铣	Spindle taper vertical	
主轴锥度	Spindle taper	ISO 40
主轴转速	Spindle speed	60 - 4660 rpm
转速级数	Gear stages	20 steps
卧铣	Spindle taper horizontal	
主轴锥度	Spindle taper	ISO 50
主轴转速	Spindle speed	58 - 1800 rpm
齿轮级数	Gear stages	12 steps
十字工作台	Cross table	
工作台尺寸	Table length x width	1320 x 360 mm
工作台进给	Table feed (9 steps)	15 - 370 mm/min
最大承载重量	Load of cross table (max.)	350 kg
T型槽尺寸宽度/距离/数量	T-slot size / distance / number	18 mm/80 mm/3
X轴自动行程	X-axis Travel automatic	980 mm
X轴工作台进给	X-axis Table feed	15 - 370 mm/min
Y轴自动行程	Y-axis Travel automatic	300 mm
Y轴工作台进给	Y-axis Table feed	575 mm/min
Z轴自动行程	Z-axis Travel automatic	450 mm
Z轴工作台进给	Z-axis Table feed	575 mm/min
尺寸	Dimensions	
长x宽x高	Length x width x height	1900x1900x2250 mm
总重量	Total weight	2200/2400 kg

细节展示 Details



卧铣位置
 • 加装卧铣挂架,可夹持侧面铣刀

Horizontal milling position
 • For operations in horizontal milling position with counter support and support for side milling cutters



工作台走刀器
 • 自动走刀
 • 电机带X轴、Y轴工作台齿轮式进刀

Table power feeder
 • Automatic
 • Motor with gear table feed X-Aaxis

UNIVERSAL MILLING MACHINE


万能铣床 MT100/MT200

铣头

- 两个旋转轴
- 带刻度尺

Milling head

- Two rotation axes
- Scales

- 
- 操作面板带数字
定位显示
- 易操作
 - 大量缩减生产
时间
 - 可在床身左右
侧回转

Operating panel with digital positioning display

- Easy-to-operate
- Considerable reduction of the manufacturing times
- Slewable to the left and right side of the machine

MT200



MT100

标准附件

- 钻夹头
- 钻接杆
- 变径套
- 变径套
- 变径套
- 操作工具
- 卧铣挂架,
- 卧铣刀杆
- 3轴数显
- 冷却装置
- 工作灯

Standard accessories

- Drill chuck $\varnothing 3 - 16\text{mm}$ / B18 (MT200)
- Arbor 7:24 ISO 50 (MT200)
- Adapter ISO 50 / MK3 (MT200)
- Adapter ISO 40 / MK3 (MT100)
- Adapter ISO40-B16 (MT100)
- Operating tool
- Counter support for horizontal milling with support for side milling cutter
- 3-axis position display
- Coolant equipment
- Machine lamp

机床技术参数 / Specification

型号	Model	MT 100	MT 200
货号	Item no.	2210080	2220080
电器容量	Electrical connection		
总电机功率	Total connection Motor	3.36 kW 400 V / 3 Ph	9.2 kW 400 V / 3 Ph
卧铣电机功率	Motor vertical spindle	2.2 kW 400 V / 3 Ph	4 kW 400 V / 3 Ph
立铣电机功率	Motor horizontal spindle	2.2 kW 400 V / 3 Ph	4 kW 400 V / 3 Ph
主轴	Spindle taper		
主轴锥度	Spindle taper	ISO 40 (DIN 2080)	ISO 50
攻丝	Draw-in rod	M16	M24
钻孔能力	Drilling capacity in steel (S235JR)	Ø 20 mm	Ø 30 mm
最大面铣直径	Milling head max.	Ø 85 mm	Ø 100 mm
最大立铣直径	End mill max.	Ø 16 mm	Ø 20 mm
立铣	Spindle taper vertcikal		
主轴转速	Spindle speed	45 - 1660 rpm	60 - 1750 rpm
齿轮级数	Gear stages	11 steps	12 steps
主轴端面至工作台面距离	Distance spindle - table	90 - 520 mm	140 - 540 mm
旋转范围	Rotation range	360°	360°
卧铣	Spindle taper horizontal		
主轴端面至工作台面距离	Distance spindle - table	140 - 520 mm	0 - 400 mm
主轴转速	Spindle speed	45 - 1660 rpm	58 - 1800 rpm
齿轮级数	Gear stages	11 steps	12 steps
十字工作台	Cross table		
工作台尺寸	Table length x width	1120 x 260 mm	1650 x 360 mm
工作台进给	Table feed (9 steps)	24 - 402 mm/min	20 - 380 mm/min
最大承载重量	Load capacity (max.)	350 kg	450 kg
T型槽尺寸宽度/距离/数量	T-slot size / Distance / Number	14 mm / 63 mm / 3	14 mm / 95 mm / 3
X轴	X-axis		
自动行程	Travel automatic	600 mm	1290 mm
工作台进给	Table feed	24 - 402 mm/min	20 - 380 mm/min
电机功率	Motor	370 W	1.1 kW
Y轴	Y-axis		
自动行程	Verfahrweg automatisch	270 mm	280 mm
工作台进给	Tischvorschub	24 - 402 mm/min	20 - 380 mm/min
电机功率	Leistung Vorschubmotor	370 W	1.1 kW
Z轴	Z-axis		
自动行程	Travel automatic	380 mm	400 mm
工作台自动进给	Table feed automatic	/	7 - 127 mm/min
电机功率	Motor	750 W	1.1 kW
冷却泵功率	Motor pump	40 W	90 W
尺寸	Dimensions		
长x宽x高	Length x Width x Height	2500x2300x1850 mm	3340x2200x1920 mm
总重量	Total weight	1300 kg	2220 kg

MILLING

细节展示 Details



卧铣位置
· 加装卧铣挂架,可夹持侧面铣刀

Horizontal milling position

- For operations in horizontal milling position with counter support and support for side milling cutters, adjustable slide bearing



工作台走刀器
· 电机带X和Y轴工作台齿轮式进刀

Table feed

- Motor with gear table feed X- and Y-axis



水平工作台罩壳
Housing cross table

TURRET MILLING MACHINE



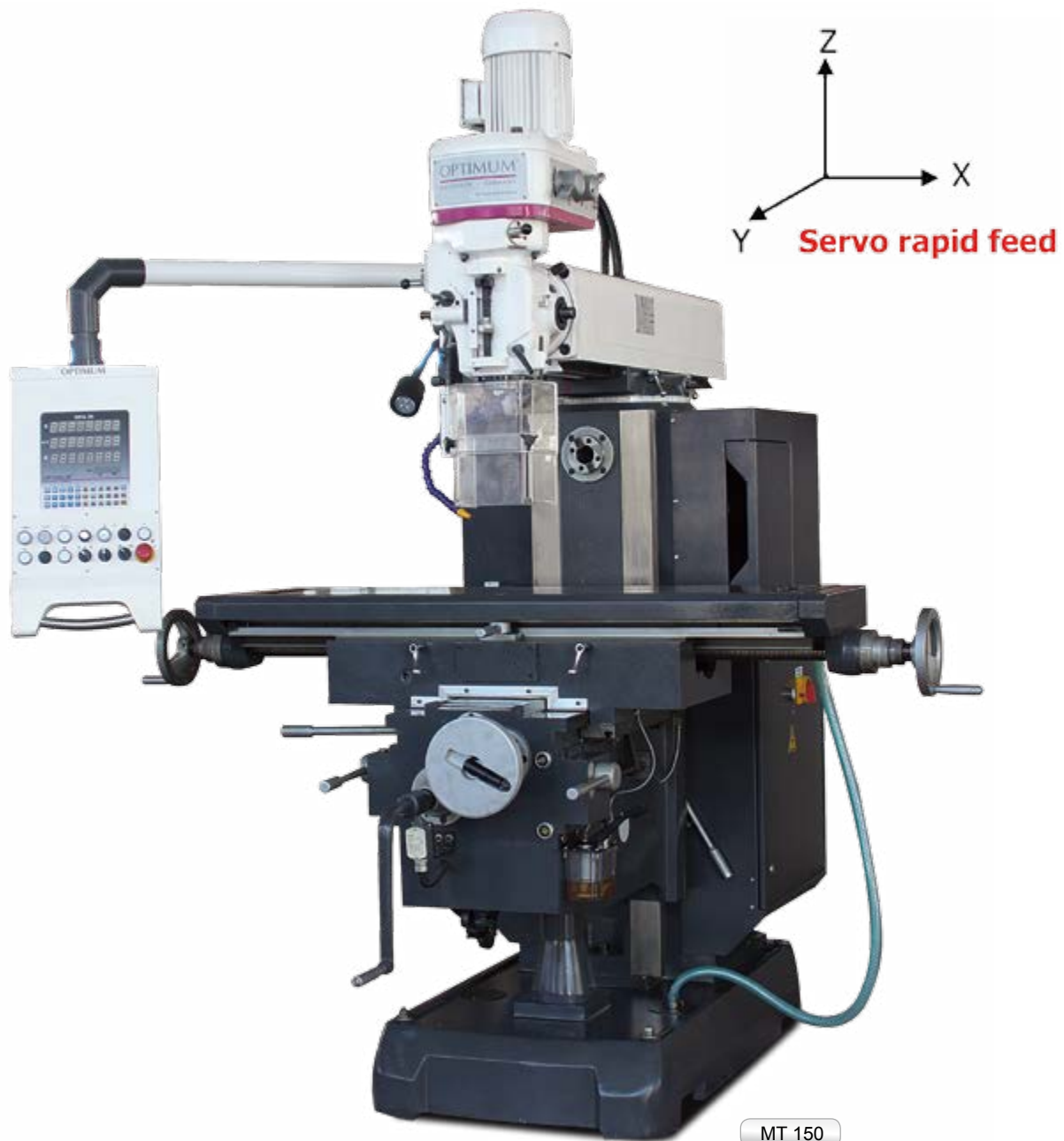
炮塔铣床 MT 150

优质、高效、高性价比

- X、Y、Z三轴伺服进给，无级变速
- 主传动采用齿轮传动，效率高、传扭大，主传动变速范围大，选择面广
- 新式操作面板，集中式操作站设计，操作更直观、方便
- 同时具备立铣、卧铣功能
- 三轴坐标数显系统
- 优质基础铸件、导轨淬火处理

Convincing arguments: quality, efficiency and price

- X/Y/Z three-axis servo drive and variable speed
- Main drive use gear transmission which has higher efficiency and bigger torque. Main drive has bigger speed range and more wide choice
- New-style control panel, concentrated operation station which is more directly and more easy for operation
- With both vertical and horizontal milling function
- With three-axis coordinate digital display system
- High-quality foundation casting and hardened guide-way



机床技术参数 /Specification

型号	Type	MT 150
产品编号	Code No.	2315000
工作台尺寸	working table size	1320×320 mm
工作台行程 (纵向/横向/垂向)	travel of working table (X/Y/Z)	800/290/400 mm
工作台T槽 (槽数/宽度/间距)	T-SOLT size of working table	3/14/95 mm
主轴锥孔	spindle seat(V/H)	7:24 ISO40
主轴转速范围 (50Hz)	spindle speeds 50Hz	Horizontal spindle: 12 steps 38—1310 rpm
		Vertical spindle: 8 steps 115—1750 rpm
卧轴中心至工作台面的距离	distance from center of H spindle to working table	40—440 mm
立轴端面至工作台面的距离	distance from center of V spindle to working table	170--590 mm
工作台中心至立柱表面的距离	distance from working table to surfact of column	240--740 mm
滑枕行程	ram travel	500 mm
工作台进给速度	feed speed of working table	X/Y: 25 800 mm/min
		Z: 8-267 mm/min
卧式主轴电机	Horizontal spindle motor	2.2 KW
垂直主轴电机	Vertical spindle motor	0.85/1.5 KW
工作台进给伺服电机	Table feed servo motor	1.8KW 11.5 N.M
外形尺寸	dimension	1950×1950×2350 mm
净重	N.W.	2100 kg

MT150 多功能摇臂铣床是我公司针对国内外市场开发的新型机床产品, 主要用于加工于各种中、小型零件的平面、斜面、沟槽、孔、齿轮等, 是机械制造、仪器仪表工业、模具、汽车、纺织机械、化工、石油、电子等行业理想的加工设备。

MT150 universal radial milling machine is our new-type machine aim to domestic and foreign market. It is mainly applicable to machining the surface, slope, groove, hole, gear etc in various middle & small size components, which is ideal processing equipment for the industry of machine manufacturing, instrument & meter, mould, automobile, textile machinery, chemical industry, petroleum and electronics.

UNIVERSAL MILLING MACHINE

万能铣床 MT130S



优质、高效、高性价比

- 应用范围广；
- 厚重结实的高级米哈奈特铸铁制造；
- 带立铣和卧铣；
- 机床结构坚固耐用；
- 铣头可旋转至任意角度；
- 抛光齿轮在油槽中运行带来稳定顺畅的机器运转；
- 所有导轨淬火并通过楔子可调；
- 带集中润滑；
- 大口径手轮带刻度尺；
- 带LED工作灯；
- 带冷却系统；
- 变速开关元件操作简单；
- Y轴和Z轴采用坚固的方形导轨；
- 钻夹头防护罩尺寸大、高度可调节并带安全开关，有利防护铁屑飞溅和零件滑脱带来的危险，最大限度地保护使用者；
- 坚固耐用的大尺寸工作台，表面精铣，带T型槽；
- 带数显表DPA21；
- 伺服电机控制走刀系统，带固定档位；
- 带三轴工作台走刀

Convincing arguments: quality, efficiency and price

- Versatile range of applications
- Heavy, solid design using premium cast meehanite
- Vertical and horizontal milling position
- Rugged machine construction
- Milling head pivots and rotates to any spatial angle
- Smooth action due to polished gearwheels running in an oil sump
- All guides tempered and adjustable using cleats
- Central lubrication
- Generously dimensioned, decoupled hand wheels with scales
- LED machine lamp
- Coolant system
- Easy operation of the switching elements
- Sturdy, square guide rails on Y and Z axis
- Height-adjustable protective screen with microswitch for best possible user protection against chips and parts being flung out
- Solid and generously dimensioned cross table with precision surface finish and T-slots
- Digital position display DPA 21
- Feed system controllable by servomotor in fixed steps
- Table feed X, Y and Z axis



机床技术参数 /Specification

型号	Type	MT 130S
产品编号	Code No.	2213000
插头电源	Electrical connection	400 V/50 HZ/3 PH
电机功率	Motor power horizontal	3 KW
电机功率	Motor power vertical	3 KW
冷却泵电机	Motor coolant pump	60 W
铣刀最大尺寸	Milling head dimension max.	Ø 100 mm
立铣刀最大尺寸	End mill dimension max.	Ø 100 mm
主轴类型	Spindle seat	7:24 ISO40
主轴中心至立柱表面距离	Throat	150-550 mm
拉杆	Draw-in rod	M16
主轴转速横向	Spindle speed horizontal	45-1660 rpm
齿轮级数	Gear stages/Steps horizontal	11
主轴转速纵向	Spindle speed vertical	45-1660 rpm
齿轮级数	Gear stages/Steps vertical	11
主轴箱倾斜角度	Inclination of spindle head	360°
工作台长×宽	Table length x table width	1270×300 mm
工作台最大承重	Load of cross table (max.)	200 kg
T型槽尺寸/距离	T-slot size /distance	3/14 mm/80 mm
主轴到工作台距离 纵向	Distance spindle - cross table vertical	100-500 mm
电机功率	Power Feed drive	3 KW
X轴行程	Travel X axis	720 mm
Y轴行程	Travel Y axis	300 mm
Z轴行程	Travel Z axis	400 mm
驱动快速进给	Drive speed feed/rapid motion	1335/1335/1000 mm/min
进给速度	Feed speed	X/Y:30-830 mm/min Z:23-625 mm/min
长×宽×高	Length x width x height	1730×1760×1700 mm
净重/毛重	N.W./G.W.	1450/1600 kg

MILLING

UNIVERSAL MILLING MACHINE

万能铣床 MT220S



控制面板

- 集成控制面板
- 带位置显示
- 面板可自转

Operating panel

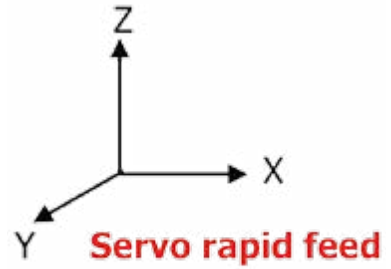
- Integrated control panel
- Integrated position display
- Turnable around the own axis

铣头

- 两个旋转轴
- 带刻度尺

Milling head

- Two rotation axes
- With scales



工作台

- 高强度
- 高精度
- 大尺寸
- 表面精加工

Cross table

- Solid
- Precise
- Largely dimensioned
- Precisely machined at the surface

MT220S

机床技术参数 /Specification

型号	Type	MT 220S
产品编号	Code No.	2222080
卧轴主电机	main motro of V spindle	5.5 KW 1440 r/min
万能回转头主电机	main motor of universal swiveling head	4 KW
工作台进给伺服电机	motor of working table feed	1.8 KW 11.5 N.M
冷却泵电机功率	Motor coolant pump	0.09 KW
面铣最大直径	Milling capacity cutter head(max.)	Ø160 mm
立铣最大直径	Milling capacity end mill cutter(max.)	Ø25 mm
工作台最大承重	Load of cross table(max.)	400 kg
工作台尺寸	working table size	1650×360 mm
工作台行程 (纵向/横向/垂向)	travel of working table (X/Y/Z)	1300/320/420 mm
工作台T槽 (槽数/宽度/间距)	T-SOLT size of working table	3/14 mm /95 mm
主轴锥孔	spinple seat(V/H)	7:24 ISO50
主轴转速范围 (50Hz)	spindle speeds 50Hz	V spindle: 12 step 58—1800 rpm
		H spindle: 12 step 60—1750 rpm
卧轴中心至工作台面的距离	distance from center of H spindle to working table	0—420 mm
立轴端面至工作台面的距离	distance from center of V spindle to working table	170--590 mm
工作台中心至立柱表面的距离	distance from working table to surfact of column	230--550 mm
工作台最大回转角度	swivel range of working table	±35°
滑枕行程	ram travle	500 mm
工作台进给速度	feed speed of working table	X/Y: 25-800 mm/min Z:8-267 mm/min
		X/Y: 1200 mm/min Z:400 mm/min
外形尺寸	dimension	2550×2160×2100 mm
净重	N.W.	2850 kg
毛重	G.W.	3150 kg

UNIVERSAL MILLING MACHINE

万能铣床 MT230S



优质、高效、高性价比

- 应用范围广
- 机床结构坚固耐用
- 抛光齿轮在油槽中运行带来稳定顺畅的机器运转
- 厚重结实的高级米哈奈特铸铁制造
- 所有导轨淬火并通过楔子可调
- 带集中润滑
- 大口径手轮带刻度尺
- 带LED工作灯
- 带冷却系统
- 变速开关元件操作简单
- Y轴和Z轴采用坚固的矩形导轨
- 带三轴工作台自动走刀
- 带数显表DPA21
- 伺服电机控制走刀系统，带固定档位
- 带脱落手轮
- 坚固耐用的大尺寸工作台，表面精铣，带可调楔子和限位
- 带卧铣位置
- 加装卧铣挂架，方便从后面操作
- 铣头带两轴旋转，可旋转至任意角度

Convincing arguments: quality, efficiency and price

- Versatile range of applications
- Rugged machine construction
- Smooth action due to polished gearwheels running in an oil sump
- Heavy, solid design using premium cast meehanite
- All guides tempered and adjustable using cleats
- Central lubrication
- Generously dimensioned hand wheels with scales
- LED machine lamp
- Coolant system
- Easy operation of the switching elements
- Rugged, rectangular guide rails on Y and Z axis
- Table feed X, Y and Z axis automatic
- Digital position display DPA 21
- Feed system controllable by servomotor in fixed steps
- Decoupled hand wheels
- Solid and generously dimensioned cross table with precision surface finish including adjustable cleats and end stops
- Horizontal milling position
- Horizontal milling counterholder, attached to rear of machine for easy access
- Milling head with two axes of rotation, thus pivots and rotates to any spatial angle



MT230S

机床技术参数 /Specification

型号	Type	MT 230S
产品编号	Code No.	2223000
插头电源	Electrical connection	380 V 50 HZ 3 Ph
电机功率	Motor power horizontal	5.5 kw
电机功率	Motor power vertical	4 kw
冷却泵电机	Motor coolant pump	90 w
铣刀最大尺寸	Milling head dimension max.	Ø 160
主轴类型	Spindle seat	7:24 ISO50
主轴中心至立柱表面距离	Throat	260-910 mm
拉杆	Draw-in rod	M24
主轴转速横向	Spindle speed horizontal	60-1800 rpm
齿轮级数	Gear stages/Steps horizontal	12
主轴转速纵向	Spindle speed vertical	60-1750 rpm
齿轮级数	Gear stages/Steps vertical	12
主轴箱倾斜角度	Inclination of spindle head	360°
工作台长×宽	Table length x table width	1600×360 mm
工作台最大承重	Load of cross table (max.)	400 kg
T型槽尺寸/距离	T-slot size /distance	3/18 mm/80 mm
主轴到工作台距离 横向	Distance spindle - cross table horizontal	20-420 mm
主轴到工作台距离 纵向	Distance spindle - cross table vertical	100-500 mm
电机功率	Power Feed drive	10 Nm
X轴行程	Travel X axis	1300 mm
Y轴行程	Travel Y axis	300 mm
Z轴行程	Travel Z axis	400 mm
驱动快速进给	Drive speed feed/rapid motion	X:1200 mm/min Y:800 mm/min Z:600 mm/min
进给速度	Feed speed	30-750/20-500/15-375 mm/min
长×宽×高	Length x width x height	2520×2100×2000 mm
净重/毛重	N.W./G.W.	2800/2900 kg

TURRET MILLING MACHINE

炮塔铣床 TMM100/TMM100V

优质、高效、高性价比

- 厚重结实的高级米哈奈特铸铁制造
- 结实的 Z 轴矩形导轨
- 所有轴均带有可调燕尾导轨
- 左右回转
- 锥形滚珠轴承产生的高同心度，主轴套筒内测得的数据为小于 0.01mm
- 主轴自动进刀
- 带有电机保护的主开关，正反转开关，急停按钮
- 高性价比、性能稳定

标准附件：

- 优质铣头（独特设计）
- 使用西门子元器件的电气箱
- 油盘
- 所有床身导轨均带防护罩
- 操作控制面板
- 手动润滑油泵
- 工具与工具箱
- 刀具拉杆

Standard Accessories:

- High quality Milling head(made in Taiwan)
- With Siemens electrical parts in electrical box
- With chip tray
- ALL the bedway with splash guard
- With operation control box
- With manual lubrication oil pump
- With tools and tool box
- With draw bar

Convincing arguments: quality, efficiency and price

- Heavy, solid model made of high-grade Meehanite casting
- Solid rectangular slideways for Z-axis
- All axes with adjustable dovetail slideways
- Right-/left handed rotation
- High concentricity precision due to taper roller bearings, less than 0.01mm measured in the spindle sleeve
- Automatic spindle sleeve feed
- Main switch with motor protection, right/left handed rotation switch, emergency-stop button
- Price-efficient and value stable

可选附件：

- X/Y/Z 轴自动进给器
- 三轴数显装置
- 气动拉杆
- 机用平口钳 QG100
- 58 件套铣夹具 (M14)
- 套装铣夹头 J7325 (8 件 / 套) 规格 4-16mm
- 套装铣夹头 J7325 (15 件 / 套) 规格 3-26mm
- 冷却系统
- 石英灯 JC34A

Optional accessories:

- X/Y/Z-axis power feeder
- Digital Readout for X/Y/Z
- Air power draw bar
- Milling Vice QG100
- 58pcs Clamping Fixture(M14)
- Milling Chuck Set J7325 (8 pcs/set) size 4-16mm
- Milling Chuck Set J7325 (15 pcs/set) size 3-26mm
- Coolant system
- Halogen lamp JC34A

主轴自动进刀铣头
· Milling head is with spindle power down feed

大功率电机
· Strong power motor

高强度、高精度、大尺寸的十字工作台
· Solid, precise, largely dimensioned and precisely machined surface

· 冷却系统和油盘 (可选)
· Coolant pump and oil chip tray (Optional)



TMM 100

机床技术参数 /Specification

型号	Model	TMM100/TMM100V
产品编号	Code No.	2310000 / 2310100
加工范围	CAPACITY	
钻孔直径	Drilling capacity(max.)	Ø15 mm
面铣直径	Milling capacity cutter head(max.)	Ø75 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø20 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle taper	R8/ NT40
套筒直径	Sleeve diameter	Ø86 mm
套筒行程	Sleeve travel	127 mm
钻头	DRILL-MILL HEAD	
机头倾斜功能(左及右)	Head incline(L-R)	± 90°
机头倾斜功能(前及后)	Head lincline(back-forth)	0°
主轴套筒自动进给	Automatic spindle sleeve feed	0.04/0.08/0.15 mm/rev
速度	SPEEDS	
主轴转速	Spindle speed	65-4550 rpm /50-3500 rpm(V)
十字工作台	CROSS TABLE	
工作台 (长×宽)	Table(LxW)	200x910 mm
X轴自动行程	X-axis travel automatic	560 mm
Y轴手动行程	Y-axis travel manual	240 mm
Z轴行程	Z-axis travel	350 mm
T型槽尺寸宽度/距离/数量	T-slot size/distance/number	16 mm / 64 mm / 3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	370 mm
主轴轴线至机身最大距离	Distance spindle to machine body(Max.)	400 mm
主轴轴线至机身最小距离	Distance spindle to machine body(Min.)	134 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	2.2 KW/3 Ph/50 Hz
冷却泵电机功率	Motor coolant pump	40 W
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸 (长×宽×高)	size(L×W×H)	1040x1300x1950 mm
净重/毛重	Net weight/Gross weight	785/895 kg

MILLING

细节展示 Details



- 数显 (可选)
- Digital readout(optional)



- 台湾产铣头带主轴自动进给器
- Taiwan mill head with spindle power down feeder



- 西门子电子元器件电气控制箱
- Siemens electric control cabinet



- 强力十字工作台, 刚性好
- Solid cross table with good rigidity

TURRET MILLING MACHINE

炮塔铣床 TMM200(V)/TMM400(V)

优质、高效、高性价比

- 厚重结实的高级米哈奈特铸铁制造
- 结实的 Z 轴矩形导轨
- 所有轴均带有可调燕尾导轨
- 左右回转
- 锥形滚珠轴承产生的高同心度，主轴套筒内测得的数据为小于 0.01mm
- 主轴自动进刀
- 带有电机保护的主开关，正反转开关，急停按钮
- 高性价比、性能稳定

Convincing arguments: quality, efficiency and price

- Heavy, solid model made of high-grade Meehanite casting
- Solid rectangular slideways for Z-axis
- All axes with adjustable dovetail slideways
- Right-/left handed rotation
- High concentricity precision due to taper roller bearings, less than 0.01mm measured in the spindle sleeve
- Automatic spindle sleeve feed
- Main switch with motor protection, right/left handed rotation switch, emergency-stop button
- Price-efficient and value stable



机床技术参数 /Specification

型号	Model	TMM200 / TMM200V	TMM400/ TMM400V
产品编号	Code No.	2320000 / 2320100	2340000 / 2340100
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø18 mm	Ø24 mm
面铣直径	Milling capacity cutter head(max.)	Ø75 mm	Ø100 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø20 mm/Ø25 mm(V)	Ø20 mm/Ø25 mm(V)
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle taper	R8/NT40	R8/NT40
套筒直径	Sleeve diameter	Ø86 mm	Ø86 mm
套筒行程	Sleeve travel	127 mm	127 mm
钻铣头	DRILL-MILL HEAD		
机头倾斜功能(左及右)	Head incline(L-R)	±90°	±90°
机头倾斜功能(前及后)	Head lincline(back-forth)	±45°	±45°
主轴套筒自动进给	Automatic spindle sleeve feed	0.04/0.08/0.15 mm/rev	0.04/0.08/0.15 mm/rev
速度	SPEEDS		
主轴转速	Spindle speed	65-4550 rpm / 65-4500 rpm(V)	80-5440 rpm / 65-4500 rpm(V)
十字工作台	CROSS TABLE		
工作台 (长×宽)	Tabel(LxW)	230x1245 mm/ 230x1246 mm(V)	254x1270 mm/ 254x1370 mm(V)
X轴手动行程	X-axis travel automatic	730 mm/690 mm(V)	700 mm/820 mm(V)
Y轴手动行程	Y-axis travel automatic	315 mm/310 mm(V)	380 mm/410 mm(V)
Z轴行程	Z-axis travel	405 mm/390 mm(V) (自动automatic)	385 mm/400 mm(V) (手动manual)
T型槽尺寸宽度/距离/数量	T-slot size/distance/number	16 mm/64 mm/3 16 mm/63 mm/3(V)	16 mm/64 mm/3 16 mm/63 mm/3(V)
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	450 mm/405 mm(V)	465 mm/405 mm(V)
主轴轴线至机身最大距离	Distance spindle to machine body(Max.)	440 mm	620 mm
主轴轴线至机身最小距离	Distance spindle to machine body(Min.)	213 mm	260 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	2.2KW/3Ph/50Hz/380V 2.2KW/3Ph/50Hz/400V(V)	2.2KW/3Ph/50Hz 2.2KW/3Ph/50Hz/400V(V)
冷却泵电机功率	Motor coolant pump	40 W/90 W(V)	40 W/90 W(V)
外形尺寸及重量	DIMENSIONS AND WEIGHT		
外形尺寸 (长×宽×高)	size(L×W×H)	1460x1600x2032 mm/ 1650x1700x2010 mm(V)	1600x1700x2100 mm/ 1905x1880x2235 mm(V)
净重/毛重	Net weight/Gross weight	1000/1150 kg 1000/1100 kg(V)	1310/1490 kg 1200/1300 kg(V)

MILLING

标准附件：

- 优质铣头
- 使用西门子元器件的电气箱
- 油盘
- 所有床身导轨均带防护罩
- 操作控制面板
- 手动润滑油泵
- 工具与工具箱
- 刀具拉杆
- X轴自动进给器

Standard accessories:

- High quality Milling head(made in Taiwan)
- With Siemens electrical parts in electrical box
- With chip tray
- ALL the bedway with splash guard
- With operation control box
- With manual lubrication oil pump
- With tools and tool box
- With draw bar
- X-axis power feed(made in Taiwan)

可选附件：

- Y/Z轴自动进给器
- 三轴数显装置
- 气动拉杆
- 机用平口钳 QG100
- 58件套铣夹具 (M14)
- 套装铣夹头 J7325 (8件/套)
- 套装铣夹头 J7325 (15件/套)
- 石英灯

Optional accessories:

- Y/Z-axis power feeder
- Digital Readout forX/Y/Z
- Air power draw bar
- Milling Vice QG100
- 58pcs Clamping Fixture(M14)
- Milling Chuck Set J7325(8 pcs/set)
- Milling Chuck Set J7325(15 pcs/set)
- Halogen lamp

TURRET MILLING MACHINE

炮塔铣床 TMM500/TMM500V

优质、高效、高性价比

- 厚重结实的高级米哈奈特铸铁制造
- 结实的 Z 轴矩形导轨
- 所有轴均带有可调燕尾导轨
- 左右回转
- 锥形滚珠轴承产生的高同心度，主轴套筒内测得的数据为小于 0.01mm
- 主轴自动进刀
- 带有电机保护的主开关，正反转开关，急停按钮
- 高性价比、性能稳定

Convincing arguments: quality, efficiency and price

- Heavy, solid model made of high-grade Meehanite casting
- Solid rectangular slideways for Z-axis
- All axes with adjustable dovetail slideways
- Right-/left handed rotation
- High concentricity precision due to taper roller bearings, less than 0.01mm measured in the spindle sleeve
- Automatic spindle sleeve feed
- Main switch with motor protection, right/left handed rotation switch, emergency-stop button
- Price-efficient and value stable

- 铣头可倾斜 $\pm 90^\circ$
- Mill head inclinable by $\pm 90^\circ$

可选：万能可回转铣头
(for optional: Ram swivel construction)

- 石英工作灯
- Halogen lamp

- 高强度、高精度、大尺寸的十字工作台
- Solid, precise, largely dimensioned and precisely machined surface cross table

- 可转动的控制面板
- Slewable control panel

- X轴标配工作台自动进刀无极变速控制、动作快
- X-axis automatic table feed supplied as standard

- 冷却系统和水盘
- Coolant pump and water chip tray



TMM 500

机床技术参数 /Specification

型号	Model	TMM500/TMM500V
产品编号	Code No.	2350000 / 2350100
加工范围	CAPACITY	
钻孔直径	Drilling capacity(max.)	Ø24 mm
面铣直径	Milling capacity cutter head(max.)	Ø100 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø20 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle taper	NT40
套筒直径	Sleeve diameter	Ø105 mm
套筒行程	Sleeve travel	127 mm
钻铣头	DRILL-MILL HEAD	
机头倾斜功能(左及右)	Head incline(L-R)	± 90°
机头倾斜功能(前及后)	Head lincline(back-forth)	0°
主轴套筒自动进给	Automatic spindle sleeve feed	0.04/0.08/0.15 mm/rev
速度	SPEEDS	
主轴转速	Spindle speed	70-3600 rpm/50-3000(V) rpm
十字工作台	CROSS TABLE	
工作台 (长×宽)	Table(L×W)	250x1270 mm /305x1370 mm(for optional)
X轴自动行程	X-axis travel automatic	700 mm
Y轴手动行程	Y-axis travel manual	400 mm
Z轴行程	Z-axis travel	420 mm
T型槽尺寸宽度/距离/数量	T-slot size/distance/number	16 mm / 64 mm / 3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	500 mm
主轴轴线至机身最大距离	Distance spindle to machine body(Max.)	645 mm
主轴轴线至机身最小距离	Distance spindle to machine body(Min.)	130 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	3.75 KW/3 Ph/50 Hz/380 V
冷却泵电机功率	Motor coolant pump	40 W
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸 (长×宽×高)	size(L×W×H)	1660x1950x2100 mm
净重/毛重	Net weight/Gross weight	1650/1850 kg

标准附件：

- . 优质铣头 (台湾造)
- . 油盘
- . 所有床身导轨均带防护罩
- . 操作控制面板
- . 手动润滑油泵
- . 工具与工具箱
- . 刀具拉杆
- . X轴自动进给器
- . Z轴电动升降
- . 冷却泵
- . 石英灯

Standard accessories:

- . High quality Milling head
- . With Siemens electrical parts in electrical box
- . With chip tray
- . ALL the bedway with splash guard
- . With operation control box
- . With manual lubrication oil pump
- . With tools and tool box
- . With draw bar
- . X-axis power feeder (made in Taiwan)
- . Z-axis power feeder
- . Coolant system
- . Halogen lamp

可选附件：

- . Y轴自动进给器
- . 三轴数显装置
- . 气动拉杆
- . 机用平口钳 QG100
- . 58件套铣夹具 (M14x2)
- . 套装铣夹头 J7325 (8件/套)
- . 套装铣夹头 J7325 (15件/套)

Optional accessories:

- . Y-axis power feeder
- . Digital Readout forX/Y/Z
- . Air power draw bar
- . Milling Vice QG100
- . 58pcs Clamping Fixture(M14x2)
- . Milling Chuck Set J7325(8 pcs/set)
- . Milling Chuck Set J7325(15 pcs/set)

TURRET MILLING MACHINE(VERTICAL & HORIZONTAL)

立卧两用炮塔铣床 TMM700/700V TMM800/800V

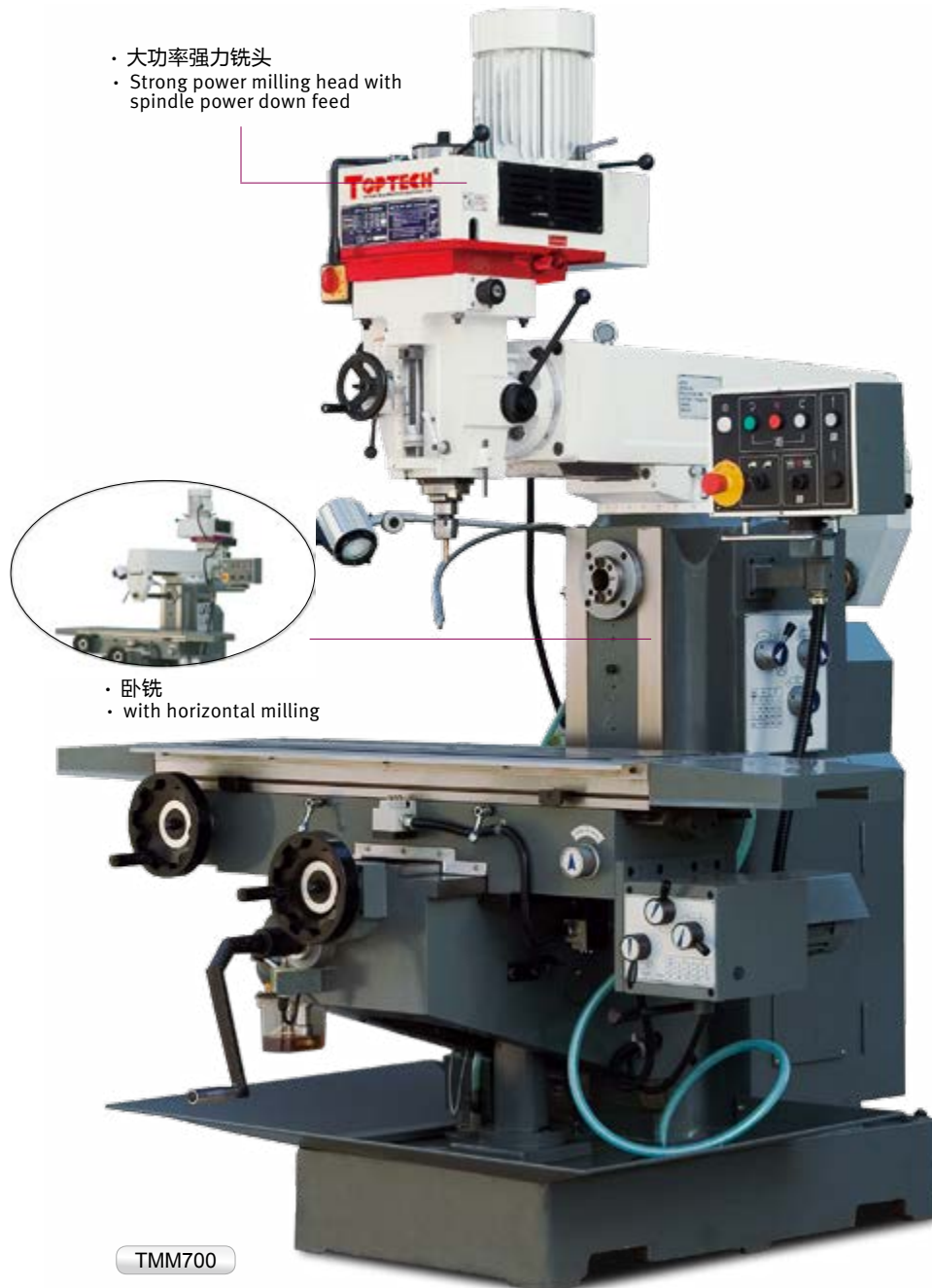
优质、高效、高性价比

- 厚重结实的高级米哈奈特铸铁制造
- 结实的 Z 轴矩形导轨
- 所有轴均带有可调燕尾导轨
- 左右回转
- 锥形滚珠轴承产生的高同心度，主轴套筒内测得的数据为小于 0.01mm
- 主轴自动进刀
- 带有电机保护的主开关，正反转开关，急停按钮
- 高性价比、性能稳定

Convincing arguments: quality, efficiency and price

- Heavy, solid model made of high-grade Meehanite casting
- Solid rectangular slideways for Z-axis
- All axes with adjustable dovetail slideways
- Right-/left handed rotation
- High concentricity precision due to taper roller bearings, less than 0.01mm measured in the spindle sleeve
- Automatic spindle sleeve feed
- Main switch with motor protection, right/left handed rotation switch, emergency-stop button
- Price-efficient and value stable

- 大功率强力铣头
- Strong power milling head with spindle power down feed



- 卧铣
- with horizontal milling

细节展示 Details



- 电气箱采用西门子元器件
- Electrical cabinet with Simens parts



- 电气控制面板
- Electrical control panel



- Z轴自动走刀
- Z axis power feed



- X/Y齿轮式工作台自动走刀
- X/Y axis table power feed

机床技术参数 /Specification

型号	Model	TMM700/ TMM700V	TMM800/TMM800V
产品编号	Code No.	2370000 / 2370100	2380000 / 2380100
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø30 mm	Ø30 mm
面铣直径	Milling capacity cutter head(max.)	Ø80 mm	Ø125 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø25 mm	Ø25 mm
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle taper	ISO40(V&H)	ISO40(V),ISO50(H)
套筒直径	Sleeve diameter	Ø105 mm	Ø110 mm
套筒行程	Sleeve travel	127 mm	140 mm
钻铣头	DRILL-MILL HEAD		
机头倾斜功能(左及右)	Head incline(L-R)	±45°	±45°
机头倾斜功能(前及后)	Head lincline(back-forth)	0°	0°
主轴套筒自动进给	Automatic spindle sleeve feed	0.04-0.08-0.15 rev/mm	0.04-0.08-0.15 rev/mm
速度	SPEEDS		
主轴转速	Spindle speed	70-3620 rpm(V) 60-1350 rpm(H)	70-3620 rpm(V) 60-1800 rpm(H)
十字工作台	CROSS TABLE		
工作台 (长×宽)	Tabel(LxW)	1270x320 mm	1320x360 mm
X轴自动行程	X-axis travel automatic	780 mm	980 mm
Y轴手动行程	Y-axis travel manual	300 mm	300 mm
Z轴行程	Z-axis travel	380 mm	450 mm
T型槽尺寸宽度/距离/数量	T-slot size/distance/number	14 mm / 70 mm / 5	18 mm / 80 mm / 3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	500 mm	650 mm
主轴轴线至机身最大距离	Distance spindle to machine body(Max.)	550 mm	550 mm
主轴轴线至机身最小距离	Distance spindle to machine body(Min.)	150 mm	150 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	3.7 KW(V)/2.2 KW(H)	5.5 KW(V)/4 KW(H)
冷却泵电机功率	Motor coolant pump	40 W	90 W
外形尺寸及重量	DIMENSIONS AND WEIGHT		
外形尺寸 (长×宽×高)	size(L×W×H)	1720x1520x2270 mm	2070x2020x2330 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	1620x1620x2250 mm	1930x1850x2250 mm
净重/毛重	Net weight/Gross weight	1770/1972 kg	2250/2400 kg

标准附件：

- 优质铣头
- 油盘
- 所有床身导轨均带防护罩
- 操作控制面板
- 手动润滑油泵
- 工具与工具箱
- 刀具拉杆
- X轴自动进给
- Z轴自动进给
- 冷却泵
- 石英灯

Standard accessories:

- High quality Milling head
- With Siemens electrical parts in electrical box
- With chip tray
- ALL the bedway with splash guard
- With operation control box
- With manual lubrication oil pump
- With tools and tool box
- With draw bar
- X-axis power feeder
- Z-axis power feeder
- Coolant system
- Halogen lamp

可选附件

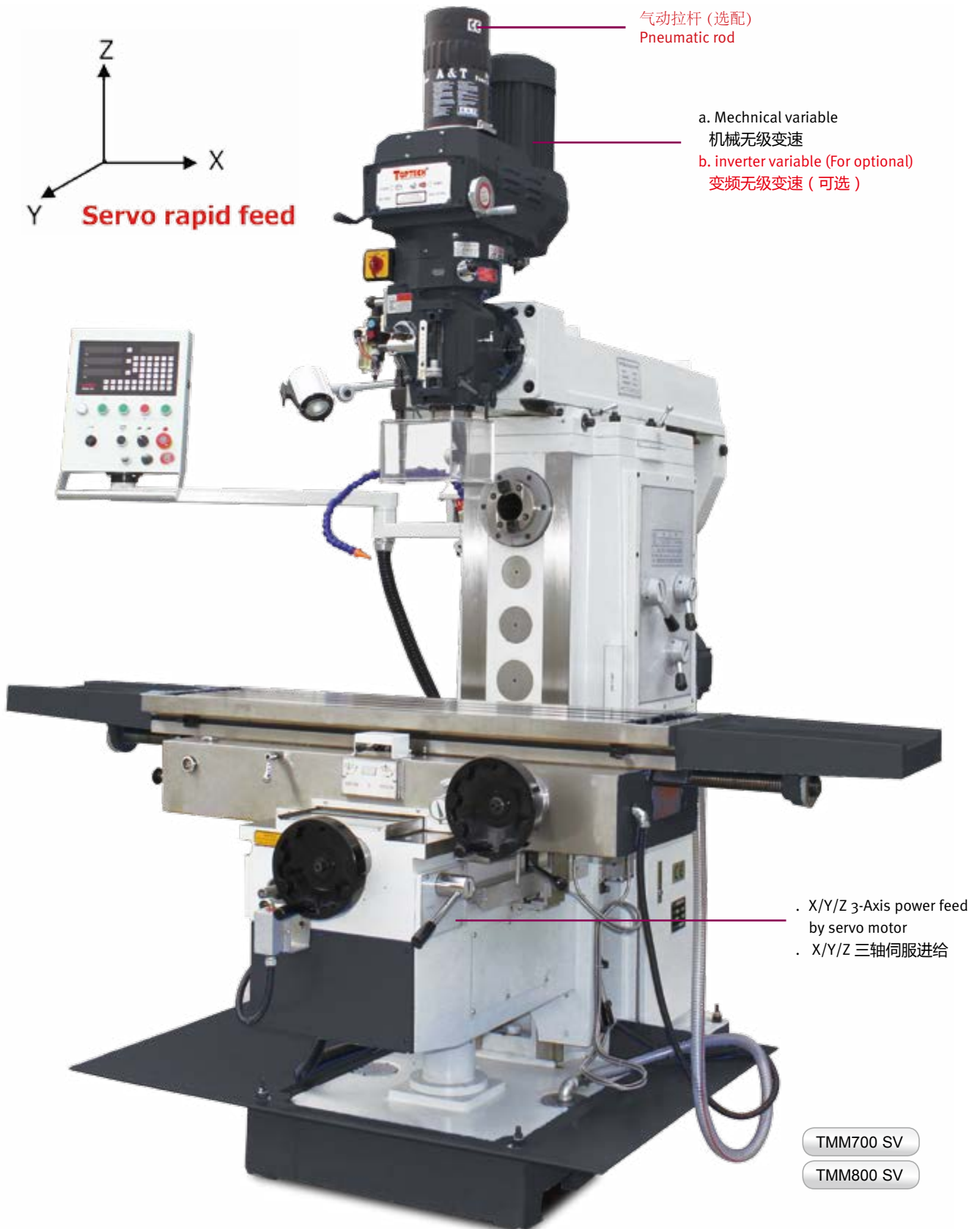
- 三轴数显装置
- 气动拉杆
- 机用平口钳 QG150/QG200
- 58件套铣夹具 (M12/M16)
- 套装铣夹头 J7325-ISO40 (8 件 / 套)
- 套装铣夹头 J7325-ISO40 (15 件 / 套)

Optional accessories:

- Digital Readout forX/Y/Z
- Air power draw bar
- Milling Vice QG150/QG200
- 58pcs Clamping Fixture(M12/M16)
- Milling Chuck Set J7325-ISO40(8 pcs/set)
- Milling Chuck Set J7325-ISO40(15 pcs/set)

MILLING MACHINE

铣床 TMM700 SV 系列机器 (工作台宽度320mm)
TMM800 SV 系列机器 (工作台宽度360mm)



机床技术参数 /Specification

型号	Model	TMM700 SV TMM800 SV
产品编号	Code No.	2370200 2380200
工作台面尺寸	Table size	1600×320 mm 1600×360 mm
工作台行程(X, Y, Z)	Table travel (X, Y, Z)	1300/310(DRO:290)/450 mm
工作台进给速度(X, Y, Z)	Table feed. (X, Y, Z)	30~750、20~500、15~375 mm/min
主轴轴孔锥度	Spindle taper	7 : 24 ISO50 (H) 7 : 24 ISO40 (V)
主轴行程	Spindle travel	5hp有段、5hp无段、7.5hp无段 : 127 (V) mm 7.5hp有段铣头 : 150 (V) mm
主轴端面至工作台距离	Distance between spindle nose and table surface	200 ~ 650 mm
卧轴端面至工作台距离	Distance between horizontal nose and table surface	10 ~ 460 mm
主轴孔中心至悬梁距离	Distance between spindle axis and ram surface	245 mm
主轴转速范围	Spindle speed range	12 级 60 ~ 1800 rpm (H) 标配 : 5hp有段铣头 80-5440 (16) 选配 : 5hp无段铣头 50-3750 (16) 选配 : 7.5hp有段铣头 70-3600 (20) 选配 : 7.5hp无段铣头 50-3750 (20)
T 型槽槽数、槽宽、槽距	T-slots(NO:/width/pitch)	3/18 mm/70 mm 3/18 mm/80 mm
悬梁行程	Arm travel	550 mm
主传电动机功率	Main motor power	5.5 (H) KW 标配 : 3.75 (V) KW 选配 : 5.5 (V) KW
三相进给交流伺服电机扭矩	3PH to feed Ac servo motor torque	10 NM
外形尺寸	Overall size	2500×2100×2350 mm
净重	Net weight	2450/2500 kg

标准附件 :

- 7 : 24 中间套 ISO50/MS4
- 卧铣刀杆组件 Φ27
- 卧铣刀杆组件 Φ32
- 拉杆 M24
- 双头呆扳手 S21-24

Standard Accessories:

- 7 : 24 middle set o ISO50/MS4
- Horizontal arbor assembly Φ27
- Horizontal arbor assembly Φ32
- Drawbar M24
- Double-ended wrench S21-24

- 双头呆扳手 S27-30
- 内六角扳手 5
- 内六角扳手 10
- QB13 平口钳 160
- 螺母 M24
- 垫圈

- Double-ended wrench S27-30
- Inner hexagonal wrench 5
- Inner hexagonal wrench 10
- Q13 Series Machine vice 160
- sleeve
- Washer

可选附件 :

- 15 件套铣夹头 ISO50
- 58 件套组合压板
- 分度头 F11125A
- 三轴数显表
- 调整垫铁 (每台机器配置四个)
- 100mm 刀盘
- 自动润滑泵

Optional Accessories:

- 15 pcs of milling chuck set ISO50
- 58 pcs of combination plate
- Dividing head F11125A
- Digital readout for X/Y/Z axis
- Adjusting size-block (4 pcs on each unit)
- 100mm cutter
- Automatic lubricant pump

UNIVERSAL MILLING MACHINE

万能工具铣床 MXI



优质、高效、高性价比

- 应用范围广
- 前面铣和平面铣
- 平面铣和套式端面铣削
- 按注释方法加工齿轮
- 带 T 型槽和铣槽
- 所有导轨经淬火
- 较高切削能力
- 所有轴限位可调

Convincing arguments: quality, efficiency and price

- Versatile applications
- Front milling and surface milling
- Plane milling and shell end milling
- Gear machining in the indexing method
- T-groove and slot milling
- All guideways hardened
- Very high cutting capacity
- Adjustable stops on all axes

倾斜

- 铣头可以倾斜 $\pm 30^\circ$

Inclination

- Milling head can be inclined in both directions by 30°

控制面板

- 可回转的和大大尺寸
- 转动方向选择开关
- 电位计的速度设定
- 速度数字显示
- 急停按钮

Control panel

- Slewable and largely dimensioned
- Rotational direction switch with position off
- Potentiometer for speed setting
- Digital speed display
- Emergency-stop pushbutton

十字工作台

- 高强度，高精度，表面精加工
- 带 T 型槽
- 标准的立式和卧式工作台

Cross table

- Solid, exact and precisely machined surface
- With T-slots
- Vertical and horizontal table as standard

冷却装置

Coolant equipment

床脚

- 坚固耐用
- 内置电气箱隔间

Base frame

- Solid
- Deposition shelf compartment

主轴转速

- 无级变速控制，采用 100-3750rpm 转速的变频工业电机

Spindle speeds

- Infinitely variable speed control with frequency-controlled industrial motor 100 - 3750 rpm



该机器也可以用于卧铣加工
This machine can also use for horizontal working

燕尾导轨

- 坚固耐用，精度高
- 间隙可重调

Dovetail guideway

- Solid and precise
- Readjustable clearance

刻度圈

- 清晰可读
- 所有运动方向手轮上都带刻度圈

Measuring tape and scalings

- Clearly readable
- On all handwheels and in all directions of motion



工作台防护罩
Table housing



MX 1

机床技术参数 / Specification

型号	Model	MX 1
货号	Item no.	2401000
电器总功率	Electrical connection	
总电压	Total connection Motor	1.1 kW 230 V ~50 Hz
主轴	Spindle taper	
主轴锥度	Spindle taper	ISO 30
钻孔能力	Drilling capacity in steel (S235JR)	Ø 25 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 20 mm
最大面铣直径	Milling head diameter max.	Ø 76 mm
最大立铣直径	End mill cutter diameter max.	Ø 20 mm
主轴行程	Spindle stroke	53 mm
攻丝	Draw-in rod	M12
钻头	Drill-milling head	
主轴箱旋转角度	Swivel range	± 30°
Z轴行程	Travel Z axis	310 mm
卧铣刀杆支架	Steady for horizontal milling	Ø 22, groove 6 x 2.5 mm
转速级数	Gear stages Vario	3 steps, speed variable
主轴低转速	Spindle speed low	100 - 1250 rpm
主轴平均转速	Spindle speed average	200 - 2500 rpm
主轴高转速	Spindle speed fast	300 - 3750 rpm
十字工作台	Cross table	
工作台尺寸(立铣)	Table length x table width - vertical	430 x 150 mm
主轴端面到工作台面距离(立铣)	Vertical displacement area min.	240 mm
工作台尺寸(卧铣)	Table length x Table width - horizontal	485 x 150 mm
主轴端面到工作台面距离(卧铣)	Horizontal displacement area	330 mm
X轴行程	Travel X-axis	290 mm
Y轴行程	Travel Y-axis	175 mm
T槽尺寸/距离	T-slot size / Distance	12 mm / 45 mm
尺寸	Dimensions	
长x宽x高	Length x Width x Height	750 x 620 x 1790 mm
净重	NW	270 kg

MILLING

标准附件 :

- 接杆
- 挂脚
- 支架
- 锥度刀杆
- 连接片
- 压板
- 内六角圆柱头螺钉 M8×30
- V 带
- 油壶
- 双头呆扳手 22-24
- 内六角扳手 3-8

Standard Accessories :

- Connective rod
- Hang a foot
- Stents
- Taper cutter bar
- Connection piece
- Clamp
- Hex cylinder head screw M8×30
- V belt
- Oil can
- Double-ended wrench 22-24
- Inner hexagonal wrench 3-8

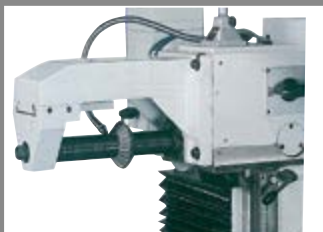
细节展示 Details

卧铣位置

- 当用侧铣刀工作时 (尤其主轴中心离立柱表面最大距离)
- 包含侧铣刀稳定座和拉杆
- 铣头直接装在中拖板上

Horizontal position

- When working with side milling cutters in particular at large throat
- Including steady and shaft for side milling cutters
- The milling head is directly mounted on the cross slide



立铣位置

- 用于钻孔、斜钻孔及大部分铣削工作
- 铣头通过转盘和支架装在中拖板上

Vertical position

- For works such as e.g. drilling, inclined drilling and for most milling tasks
- The milling unit is mounted on a cross slide by means of a turntable and a bracket



UNIVERSAL MILLING MACHINE

万能工具铣床 MX2/MX3

优质、高效、高性价比

- 应用范围广
- 三轴主轴带快速自动走刀
- 精加工工作台，水平和垂直位置带T型槽
- 盘式铣刀带刀杆支架和轴
- 变速开关元件操作简单
- 机床结构结实
- 厚重结实的高品质铸铁强筋设计制造
- 所有燕尾导轨经济淬火和精加工处理
- 集中润滑
- 大口径手轮带刻度尺
- 标准工作灯
- 带标准冷却装置
- 导轨经济淬火处理
- 带数显DPA2000和光栅尺
- 油盘
- 主轴头可旋转正负90度

Convincing arguments: quality, efficiency and price

- Wide range of applications
- Robust machine construction
- Heavy, solid design of high quality cast Meehanite
- All guides and hardened by V-ledge
- Central lubrication
- Simple operation of the switching elements
- Slewing digital position display DPA 2000 precise travel measurement of an integrated control unit
- Attached glass scales - 5 microns accuracy
- Dovetail with adjustable dovetail
- Main switch and motor protection switch, right-left rotation, emergency stop switch
- Large diameter handwheel with scale
- Standard machine Lamp
- Standard coolant equipment
- guides in all 3 Axis
- Extremely quiet operation due to ground, running in oil bath gears
- Standard features include automatic mode table feed in the X-Y, and Z-axis



MX 2

MX 3

标准附件

- 变径套 ISO40/MT3
- 操作工具
- 卧铣位置刀杆支架
- 冷却装置
- 工作灯
- 数显 DPA2000
- 三轴光栅尺
- 工厂组装
- 三轴自动进给
- 套装铣夹头 (8 件 / 套) Ø2-12mm

可选附件

- 回转工作台
- 万能分度头
- 平口钳 QG125

Standard accessories

- Adapter ISO40/MT3
- Operating tool
- Steady for horizontal milling position
- Coolant equipment
- Machine lamp
- Digital position display DPA 2000
- Glass scales for three axis
- Factory assembly
- 3-Axis power feeder
- Mill chuck set(8pcs/set) Ø2-12mm

Optional accessories

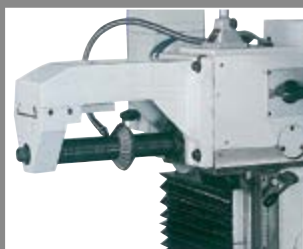
- Rotary table
- Universal head
- Milling vice QG125

机床技术参数 /Specification

型号	Model	MX 2	MX 3
货号	Item no.	2402080	2403080
电器总功率	Electrical connection		
总电压	Total connection Motor ~50 Hz	2.2 kW 400 V / 3 Ph	2.2 kW 400 V / 3 Ph
进给电机	Feed motor	750 W	750 W
主轴	Spindle taper		
主轴锥度	Spindle taper	ISO 40	ISO 40
钻孔能力	Drilling capacity in steel (S235JR)	Ø 32 mm	Ø 32 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 28 mm	Ø 28 mm
主轴行程	Spindle stroke	80 mm	80 mm
立铣	Spindle vertical		
主轴转速	Spindle speed	40 - 1600 rpm	40 - 2000 rpm
转速级数	Gear stages	12 steps	18 steps
主轴端面至工作台面距离	Distance spindle - table	60 - 440 mm	50 - 450 mm
卧铣	Spindle horizontal		
主轴转速	Spindle speed	40 - 1600 rpm	40 - 2000 rpm
转速级数	Gear stages	12 steps	18 steps
主轴端面至工作台面距离	Distance spindle - table	35 - 425 mm	85 - 485 mm
工作台	Working table		
水平工作台尺寸	Dimensions horizontal table L x W	750 x 320 mm	750 x 320 mm
T型槽尺寸/距离/数量	T-slot size / Distance / Number	14 mm / 63 mm / 5	14 mm / 63 mm / 5
垂直工作台尺寸	Dimensions vertical table L x W	830 x 225 mm	930 x 225 mm
T型槽尺寸/距离/数量	T-slot size / Distance / Number	14 mm / 126 mm / 2	14 mm / 63 mm / 3
最大承载重量	Load capacity (max.)	300 kg	300 kg
X轴	X-Axis		
自动行程	Travel automatic	405 mm	400 mm
工作台进给	Table feed (18 Steps)	10 - 380 mm/min	10 - 380 mm/min
工作台快移速度	Table feed rapid	1200 mm/min	1200 mm/min
Y轴	Y-Axis		
自动行程	Travel automatic	200 mm	300 mm
工作台进给	Table feed (18 Steps)	10 - 380 mm/min	10 - 380 mm/min
工作台快移速度	Table feed rapid	1200 mm/min	1200 mm/min
Z轴	Z-Axis		
自动行程	Travel automatic	390 mm	390 mm
工作台进给	Table feed (18 Steps)	10 - 380 mm/min	10 - 380 mm/min
工作台快移速度	Table feed rapid	1200 mm/min	1200 mm/min
冷却系统	Coolant equipment		
电机功率	Motor pump	140 W	90 W
尺寸	Dimensions		
长 (系统摆臂在右/在左)	Length (DPA arm right /left side)	1840 / 1340 mm	1880 / 1650 mm
宽x高	Width x Height	1640 x 2120 mm	1300 x 2200 mm
净重/毛重	NW/GW	1200/1400 kg	1300/1650 kg

MILLING

细节展示 Details



- 用于操作圆盘铣刀, 尤其是在大的工作范围
- 拥有稳定的圆盘铣刀轴
- 可调轴承

Horizontal position

- For operations with disc milling cutter especially at large working ranges
- With steady and shaft for disc mill cutter
- Adjustable bearings



- 可以向机器两侧旋转

Control panel

- Swiveled to the left and right side of the machine

UNIVERSAL MILLING MACHINE



万能工具铣床 MX4 Pro

优质、高效、高性价比

- 应用范围广
- 三轴主轴带快速自动走刀
- 精加工工作台, 水平和垂直位置带 T 型槽
- 盘式铣刀带刀杆支架和轴
- 变速开关元件操作简单
- 机床结构结实
- 厚重结实的高品质铸铁强筋设计制造
- 所有燕尾导轨经淬火和精加工处理
- 集中润滑
- 大口径手轮带刻度尺
- 标准工作灯
- 带标准冷却装置
- 导轨经淬火处理
- 带数显 DPA2000 和光栅尺
- 油盘
- 主轴头可旋转正负 90 度
- 伺服电机传动

Convincing arguments: quality, efficiency and price

- Wide range of applications
- Standard features include automatic mode table feed in the X-Y, and Z-axis
- Precise surface finish table, and with T-let by horizontal & vertical position
- Disc milling-cutter with arbor support and shaft
- Simple operation of the switching elements for the speed change
- Robust machine construction
- Heavy, solid design of high quality cast Meehanite
- All dove-tail guides are hardened and finish grounded
- Central lubrication
- Large diameter handwheel with scale
- Standard machine Lamp
- Standard coolant equipment
- The guide are hardened
- With digital position display DPA 2000 and glass-scale
- With chip-tray
- Machine head can rotate by $\pm 90^\circ$
- With servo motor drive



- 工作台防护罩
- chip guard solid housing



可选附件

- 回转工作台 ERT-150
- 万能分度头 EBS-0
- 平口钳 QG125

Optional accessories

- Rotary table ERT-150
- Universal head EBS-0
- Milling vice QG125

标准附件

- 变径套 ISO40/MT3
- 操作工具
- 卧铣位置刀杆支架
- 冷却装置
- 工作灯
- 数显 DPA2000
- 三轴光栅尺
- 工厂组装

Standard accessories

- Adapter ISO40/MT3
- Operating tool
- Steady for horizontal milling position
- Coolant equipment
- Machine lamp
- Digital position display DPA 2000
- Glass scales for three axis
- Factory assembly

MX4 Pro

机床技术参数 / Specification

型号	Model	MX4 Pro
货号	Item no.	2404080
电器总功率	Electrical connection	
总电压	Total connection Motor ~50 Hz	3 kW 400 V / 3 Ph
进给电机	Feed motor	1.1 kW
主轴	Spindle taper	
主轴锥度	Spindle taper	ISO 40
钻孔能力	Drilling capacity in steel (S235JR)	Ø 32 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 28 mm
主轴行程	Spindle stroke	90 mm
立铣	Spindle vertical	
主轴转速	Spindle speed	50 - 2500 rpm
转速级数	Gear stages	18 steps
主轴端面至工作台面距离	Distance spindle - table	120 - 500 mm
卧铣	Spindle horizontal	
主轴转速	Spindle speed	50 - 2500 rpm
转速级数	Gear stages	18 steps
主轴端面至工作台面距离	Distance spindle - table	115 mm
工作台	Working table	
水平工作台尺寸	Dimensions horizontal table L x W	800 x 460 mm
T型槽尺寸/距离/数量	T-slot size / Distance / Number	14 mm / 63 mm / 7
垂直工作台尺寸	Dimensions vertical table L x W	275 x 842 mm
T型槽尺寸/距离/数量	T-slot size / Distance / Number	14 mm / 63 mm / 4
最大承载重量	Load capacity (max.)	400 kg
X轴	X-Axis	
自动行程	Travel automatic	475/500 mm
工作台进给	Table feed (18 Steps)	0-660 mm/min
工作台快移速度	Table feed rapid	1200 mm/min
Y轴	Y-Axis	
自动行程	Travel automatic	390/400 mm
工作台进给	Table feed (18 Steps)	0-660 mm/min
工作台快移速度	Table feed rapid	1200 mm/min
Z轴	Z-Axis	
自动行程	Travel automatic	380/400 mm
工作台进给	Table feed (18 Steps)	0-660 mm/min
工作台快移速度	Table feed rapid	1200 mm/min
冷却系统	Coolant equipment	
电机功率	Motor pump	3.3-4 W
尺寸	Dimensions	
外形尺寸(长x宽x高)	Length x Width x Height	1350 x 1700 x 1800 mm
净重/毛重	NW/GW	1500/1800 kg

UNIVERSAL MILLING MACHINE

万能工具铣床 MZ2/MZ4

标准附件:

- 客户颜色 & logo
- 整个控制面板总成
- XYZ 三轴运动台达变频电机
- XY 轴精度滚珠丝杆
- 主轴转速齿轮传动 (台湾制造)
- 立柱右侧带急停开关
- 4 只长铣刀杆 (16,22,27,32mm)
- 3 只变径套 (MT-1,MT-2,MT-3)
- 8 只弹簧夹头 (dia.2,3,4,5,6,8,10,12mm)
- 卧轴 / 立轴一根拉杆 (ISO-40)
- 可折叠式工作台防护罩
- 卧铣外部接杆支架
- 工作灯
- 封闭的润滑系统
- X/Y/Z 三轴安全水泵
- 冷却系统带油盘
- 精度单
- X/Z 带风琴罩
- 工具 & 工具箱
- CE 认证的开关
- 垫块 & 螺栓
- 说明书和装箱单

Standard Accessories:

- Customer color & logo
- Completely control panel assembly
- DELTA Inverter motor on X,Y,Z axes movement
- Precision Ball screw on X,Y axis
- Geared Transmission for the Spindle speed (Taiwan made)
- E-Stop switch build on right side of column
- 4 pcs of Long cutter arbors (16,22,27,32mm)
- 3 pcs of Reducing sleeves(MT-1,MT-2,MT-3)
- Collet chuck with 8 pcs collets(dia.2,3,4,5,6,8,10,12mm)
- One-piece Draw bar(ISO-40) for Hor./Ver. Spindle
- Folding Housing Table Guard Assembly
- Outer arbor support for Hor. Milling
- Work lamp
- One-shut lubrication system
- Safety Handle on X/Y/Z axis
- Coolant system w/Chip tray
- Accuracy List
- Telescoping cover on X/Z axes
- Tools & Tool box
- CE Switches approved
- Level pad & Bolts
- Manual and Parts List



MZ 2

可选附件:

- Z 轴精度滚珠丝杆
- LED 工作灯
- 自动油润滑系统 (只针对 MZ4)
- TUV 认证的 CE 证书
- Optimum 进口的三轴 Newall 数显表
- 三轴 Newall 数显表安装费
- 西门子开关 (CE)
- Optimum 中国特殊附件

Optional Accessories:

- Precision Ball screw on Z axis
- LED work lamp
- Auto Oil lubrication system(only for MZ4)
- CE certificate approved by TUV
- Newall DRO 3 axis-import from Optimum
- Installation Charge for Newall DRO 3 axis
- SIEMENS Switches (CE)
- Special Accessories from China-Optimum

MZ 4

机床技术参数 / Specification

产品型号	Model	MZ 2	MZ 4
货号	Article no.	3346220	3346240
机器参数	Machine data		
电气参数	Electrical connection	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
总功率	Total consumption	4 kW	5.4 kW
快移电机功率	Motor rapid traverse / feed	0.375 kW	0.75 kW
水泵电机功率	Engine coolant pump	95 W	95 W
钻铣能力	Drilling-milling		
钢件钻销直径	Drilling capacity steel (S235JR)	Ø 20 mm	Ø 20 mm
钢件持续钻销直径	Duration drilling steel (S235JR)	Ø 16 mm	Ø 16 mm
主轴驱动	Spindle drive		
驱动电机	Drive motor	2.2 kW	3.75 kW
主轴转速	Spindle speeds	50 - 1890 rpm	30 - 2250 rpm
齿轮档位	Gear stage	12 stages	18 stages
主轴锥度	Spindle taper	ISO 40 DIN 2080	ISO 40 DIN 2080
拉杆	Drawbar	M16	M16
主轴到工作台距离	Distance spindle - cross table min./max.	75 - 410 mm	40 - 440 mm
套筒	Quill	120 mm	120 mm
最大能到	Reach max.	100 mm	185 mm
立铣旋转角度	Vertical rotation range	± 90°	± 90°
卧铣主轴	Horizontal spindle		
主轴锥度	Spindle taper	ISO 40 DIN 2080	ISO 40 DIN 2080
主轴到工作台距离	Distance spindle - cross table min./max.	70 - 400 mm	130 - 530 mm
工作台	Cross table		
卧铣工作台尺寸	Table length x width horizontal table	750 x 320 mm	900 x 500 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14 mm / 63 mm / 5	14 mm / 63 mm / 7
卧铣工作台最大负载	Load Horizontal table max.	385 kg	500 kg
立铣工作台尺寸	Table length x width vertical table	880 x 250 mm	1.200 x 250 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14 mm / 63 mm / 2	14 mm / 63 mm / 3
进给	Traversing with feed		
X轴 (XY档) 最大进给	X-axis (XY stage) max.	400 mm (manual) / 385 mm (auto)	600 mm (manual) / 585 mm (auto)
Y轴 (铣头) 最大进给	Y-axis (milling head) max.	200 mm (manual) / 185 mm (auto)	485 mm (manual) / 465 mm (auto)
Z轴 (XY档) 最大进给	Z-axis (XY stage) max.	380 mm (manual) / 365 mm (auto)	400 mm (manual) / 385 mm (auto)
驱动速度进给/快移	Drive speed feed / rapid traverse	50 - 450 min ⁻¹ / 700 min ⁻¹	50 - 450 min ⁻¹ / 800 min ⁻¹
进给率/快移	Feed rate / Rapid traverse	8 - 450 / 1000 mm/min	8 - 450 / 1000 mm/min
尺寸	Dimensions		
长宽高	Length x width x height	1239 x 1168 x 1900 mm	1610 x 1825 x 1885 mm
重量	Total weight	1180 kg	1450 kg

UNIVERSAL MILLING MACHINE

万能升降台铣床 UF 100

优质、高效、高性价比

- 应用范围广
- 机床结构结实
- 厚重结实的高级米哈奈特铸铁制造
- 燕尾导轨
- 所有导轨经淬火处理
- 中心润滑
- 带有电机保护的主开关，正反转开关
- 急停按钮
- 带有刻度的大尺寸手轮
- 标配的机床工作灯和冷却系统
- 高性价比、性能稳定

Convincing arguments: quality, efficiency and price

- Multi-purpose range of application
- Solid machine structure
- Heavy, solid model made of high-grade Meehanite casting
- Dovetail slideways
- All slideways hardened
- Central lubricating
- Main switch with protective motor switch, right-/left-handed rotation switch, emergency-stop button
- Largely dimensioned handwheels with scale
- Machine lamp supplied as standard
- Coolant equipment supplied as standard
- Price-efficient and stable value

标准附件：

- 高质量的强力万能铣削头
- 油盘
- 所有床身导轨均带防护罩
- 操作控制面板
- 手动润滑油泵
- 工具与工具盒

Standard accessories:

- High quality Milling head
- With chip tray
- ALL the bedway with splash guard
- With operation control box
- With manual lubrication oil pump

可选附件

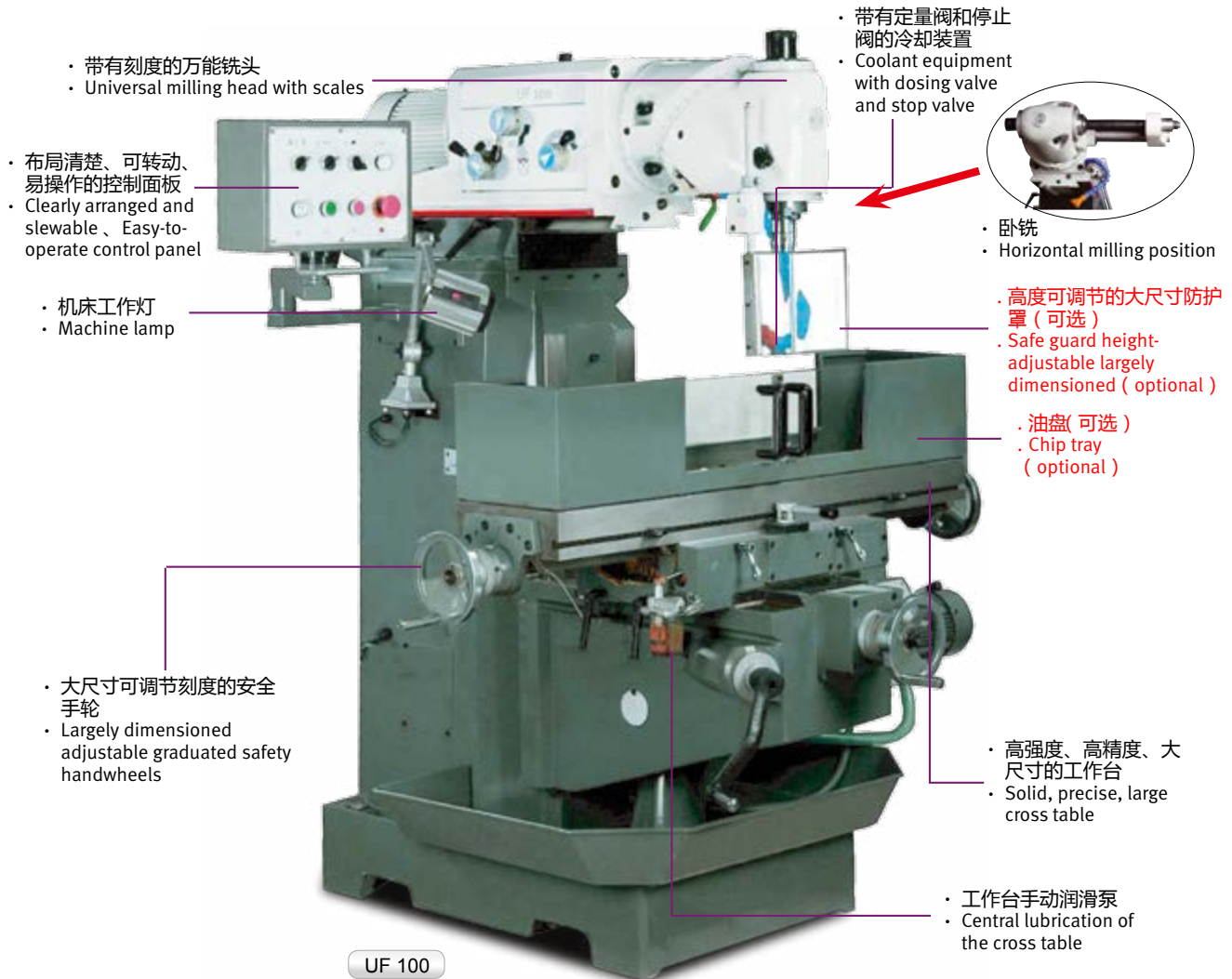
- 三轴数显装置
- 机用平口钳 QG150/QG200
- 58 件套铣夹具 (M12)
- 套装铣夹头 J7325-ISO40 (15 件 / 套) 规格 3-26mm

- 刀具拉杆
- X/Y 轴齿轮传动自动进给器
- 冷却泵
- 石英灯
- 套装铣夹头 J7325-ISO40(8件套) 规格 4-16mm

- With tools and tool box
- With draw bar
- X/Y-axis gear driver power feeder
- Coolant system
- Halogen lamp
- Milling chuck set J7325-ISO40(8pcs) size 4-16mm

Optional accessories:

- Digital Readout for X/Y/Z
- Milling Vice QG150/QG200
- 58pcs Clamping Fixture(M12)
- Milling Chuck Set J7325-ISO40(15 pcs/set) size 3-26mm



机床技术参数 /Specification

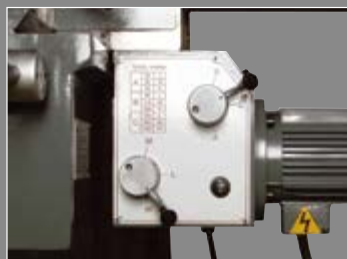
型号	Model	UF 100
产品编号	Code No.	2210000
加工范围	CAPACITY	
钻孔直径	Drilling capacity(max.)	Ø50 mm
面铣直径	Milling capacity cutter head(max.)	Ø125 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø25 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle holding fixture	ISO40(DIN2080,DIN69871)
套筒直径	Sleeve diameter	no sleeve
套筒行程	Sleeve travel	0
钻铣头	DRILL-MILL HEAD	
主轴回转角度	Head rotation	360°
主轴转速	Spindle speed	45-1660 rpm
Z轴手动行程	Z-axis travel manual	380 mm
十字工作台	CROSS TABLE	
工作台 (长×宽)	Tabel(LxW)	1120x260 mm
X轴自动行程	X-axis travel automatic	600 mm
Y轴自动行程	Y-axis travel automatic	300 mm
工作台进给 (9级)	Table feed(9 steps)	24-402 mm/min
T型槽尺寸宽度/距离/数量	T-slot size/distance/number	14 mm / 63 mm / 3
主轴端面至工作台面最大距离	Distance spindle-cross table(max.)	480 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	2.2 KW 380 V-50 Hz
冷却泵电机功率	Motor coolant pump	40 W
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸 (长×宽×高)	size(L×W×H)	1655x1325x1730 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	1600x1520x2220 mm
净重/毛重	Net weight/Gross weight	1200/1320 kg

MILLING

细节展示 Details



· Z轴自动走刀 (可选)
· Z axis power feed (optional)



· X和Y轴工作台齿轮走刀器
· Motor with gear table feed X-and Y-axis

UNIVERSAL MILLING MACHINE

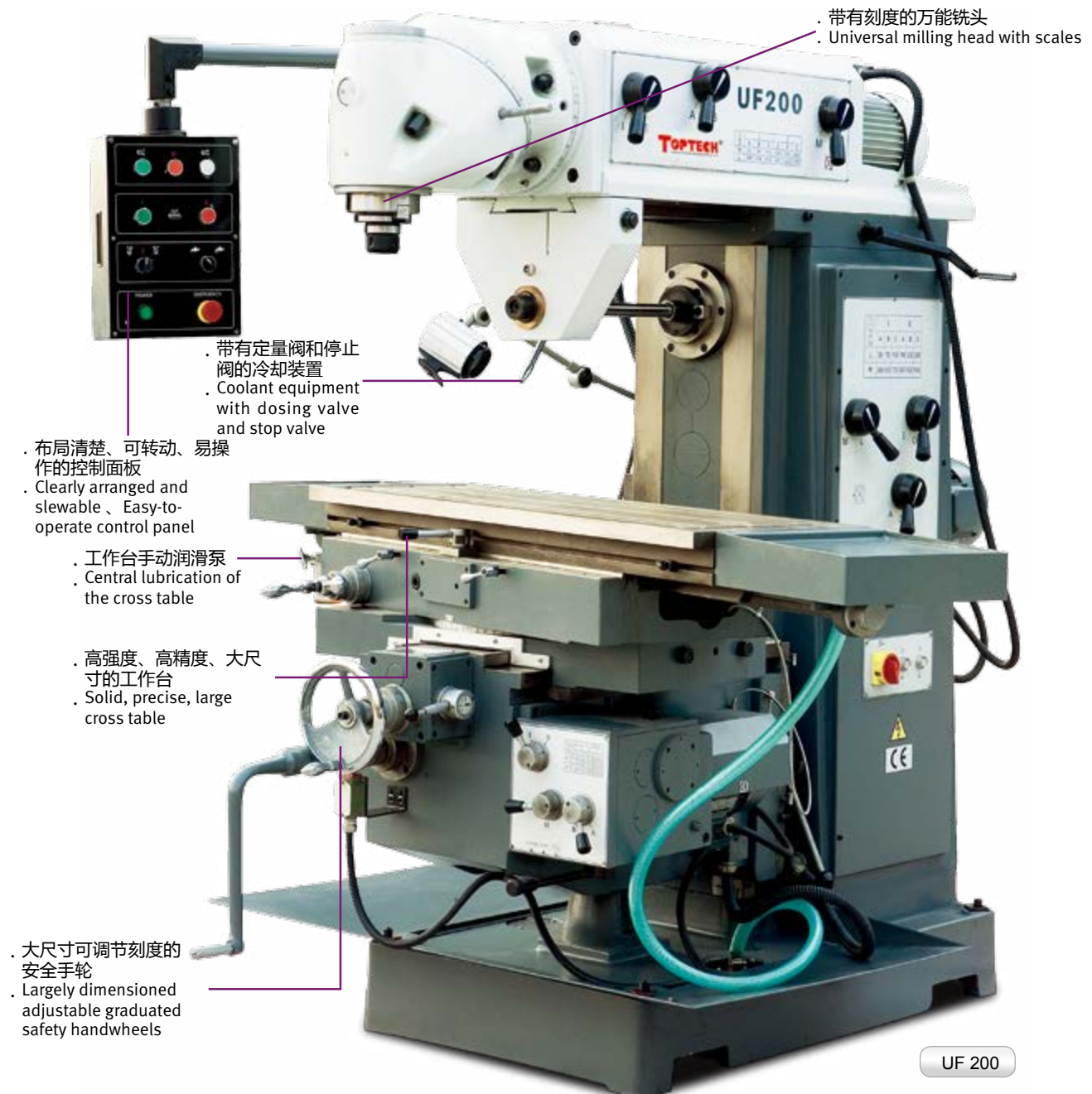
万能铣床 UF200

优质、高效、高性价比

- 应用范围广
- 机床结构结实
- 厚重结实的高级米哈奈特铸铁制造
- 燕尾导轨
- 所有导轨经淬火处理
- 中心润滑
- 带有电机保护的主开关，正反转开关，急停按钮
- 带有刻度的大尺寸手轮
- 标配的机床工作灯和冷却系统
- 高性价比、性能稳定

Convincing arguments: quality, efficiency and price

- Multi-purpose range of application
- Solid machine structure
- Heavy, solid model made of high-grade Meehanite casting
- Dovetail slideways
- All slideways hardened
- Central lubricating
- Main switch with protective motor switch, right-/left-handed rotation switch, emergency-stop button
- Largely dimensioned handwheels with scale
- Machine lamp supplied as standard
- Coolant equipment supplied as standard
- Price-efficient and stable value



UF 200

机床技术参数 /Specification

型号	Model	UF 200
货号	Code No.	2220000
钻孔直径	Drilling capacity(max.)	Ø40 mm
面铣直径	Milling capacity cutter head(max.)	Ø200 mm
立铣直径	Milling capacity end mill cutter(max.)	Ø30 mm
主轴锥度	Spindle taper	ISO50
主轴转速范围 (级数)	Spindle speed range(steps)	58~1800 rpm(50Hz) 60~1750 rpm(60Hz)
铣头回转	Head rotation	±35°
滑枕行程	Ram travel	500 mm
Z 轴行程	Z-axis travel manual	400 mm
Y 轴行程	Y-axis travel manual	300 mm
X 轴行程	X-axis travel manual	1000 mm
T型槽尺寸宽度/距离/数量	T-slot size/distance/number	14 mm / 95 mm / 5
工作台纵向电机进给速度	Table power feed speed range(X)	22~420 mm/min
工作台横向电机进给速度	Table power feed speed range(Y)	22~393 mm/min
工作台竖向电机进给速度	Table power feed speed range(Z)	10~168 mm/min(50Hz)
主轴孔中心到工作台面距离	Distance between spindle and table	0~400 mm
主轴孔中心到悬梁平面距离	Distance between spindle and ram	175 mm
电机功率	Motor power	4 KW
工作台尺寸	Working table size	1320x360 mm/1600x360 mm(optional)
总体长度 x 宽度 x 高度	Overall dimension(LxWxH)	2260x2070x2250 mm
净重 / 毛重	Net weight / Gross weight	2250/2450 kg

标准附件

- 高质量的强力万能铣削头
- 油盘
- 所有床身导轨均带防护罩
- 操作控制面板
- 手动润滑油泵
- 工具与工具箱
- 刀具拉杆
- X/Y/Z 轴齿轮传动自动进给器
- 冷却泵
- 石英灯

Standard accessories:

- High quality Milling head
- With chip tray
- ALL the bedway with splash guard
- With operation control box
- With manual lubrication oil pump
- With tools and tool box
- With draw bar
- X/Y/Z-axis gear driver power feeder
- Coolant system
- Halogen lamp

可选附件

- 三轴数显装置
- 机用平口钳 QG150
- 58 件套铣夹具 (M12)
- 套装铣夹头 J7325-ISO40 (8 件 / 套)
- 套装铣夹头 J7325-ISO40 (15 件 / 套)

Optional accessories:

- Digital Readout forX/Y/Z
- Milling Vice QG150
- 58pcs Clamping Fixture(M12)
- Milling Chuck Set J7325-ISO40(8 pcs/set)
- Milling Chuck Set J7325-ISO40(15 pcs/set)

UNIVERSAL MILLING MACHINE

万能铣床 UF150S



优质、高效、高性价比

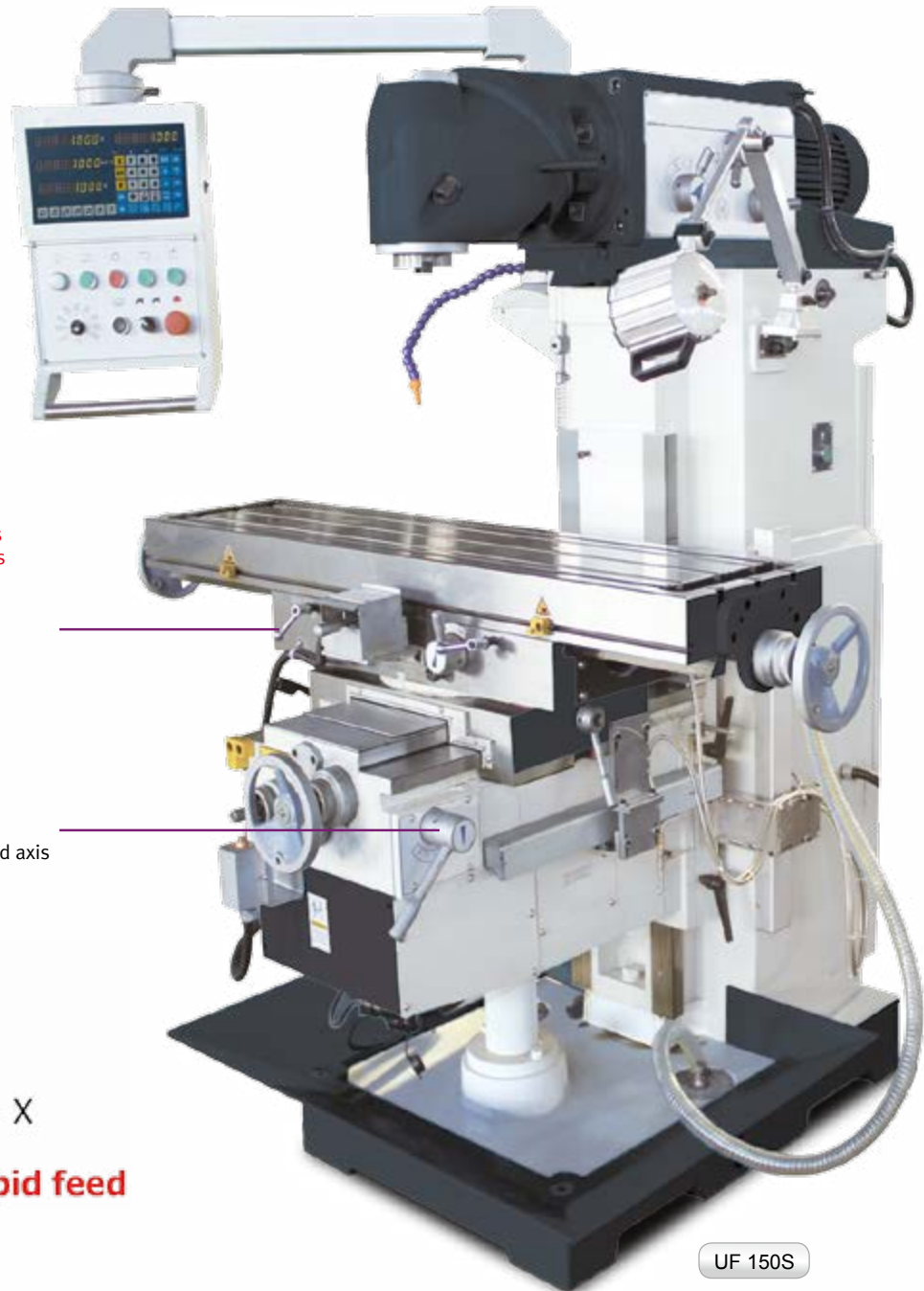
- 采用一个伺服电机控制工作台三向自动进给，扭力大，节能安全可靠
- 机器铣头回转时可卧铣，机器齿轮全部采用高品质磨齿，噪音好，使用寿命长

Convincing arguments: quality, efficiency and price

- Using a three to automatically feed servo motor control table, large torque, energy saving safe and reliable
- Machines can lie milling, when milling and turning gear are all made of high quality grinding, good noise, long service life



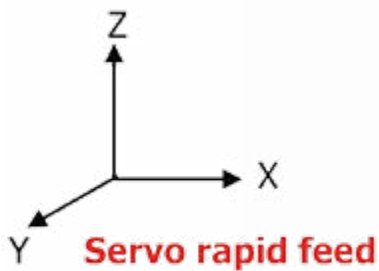
- 机头回转时可卧铣
- Swivel head when horizontal milling



- 工作台回转为选配
- Rotary table($\pm 45^\circ$) is optional accessories

- 进给方向选择手柄
- Selector lever for feed direction

- 轴进给选择手柄
- Selector lever for feed axis



UF 150S

机床技术参数 /Specification

型号	Model	UF 150S
货号	Code No.	2215100
工作台最大承重	Max load of table	300 kg
工作台回转角度	Max rotary angle of table	±45° (optional)
主轴锥度	Spindle holding fixture	7:24 ISO40
主轴旋转	Spindle speed	45-1660 rpm
立主轴端面到工作台面的距离	Distance between spindle nose and table surface	100-500 mm
工作台尺寸	Table(LxW)	1270×300 mm
工作行程X/Y/Z	X/Y/Z travel	720/300/400 mm
T型槽	T-slots NO./width/pitch	3/14 mm/80 mm
工作台快移速度 (X/Y/Z)	Table rapid speed X/Y/Z	1335/1335/1000 mm
进给速度 (X/Y/Z)	Table feed X/Y/Z	X/ Y: 30-830 mm/min Z : 23-625 mm/min
主电机功率	Motor	3 Kw
外形尺寸	Packing size(L×W×H)	1730×1760×1700 mm
机床净重	Net weight	1550 kg

标准附件

- 拉杆 M16
- 双头呆扳手 S22-24、S17-19、S32-36
- 内六扳手 5、6、10
- 平口钳 QB13
- 螺母 M16
- 垫圈 M16
- 锥柄套式铣刀柄 ISO40

Standard accessories:

- Draw bar M16
- Double-ended wrench S22-24、S17-19、S32-36
- Inner hexagonal wrench 5、6、10
- QB13 Series Machine vice
- Nut M16
- Washer M16
- Taper shank sleeve milling cutter arbor ISO40

UNIVERSAL MILLING MACHINE

万能铣床 UF 200S

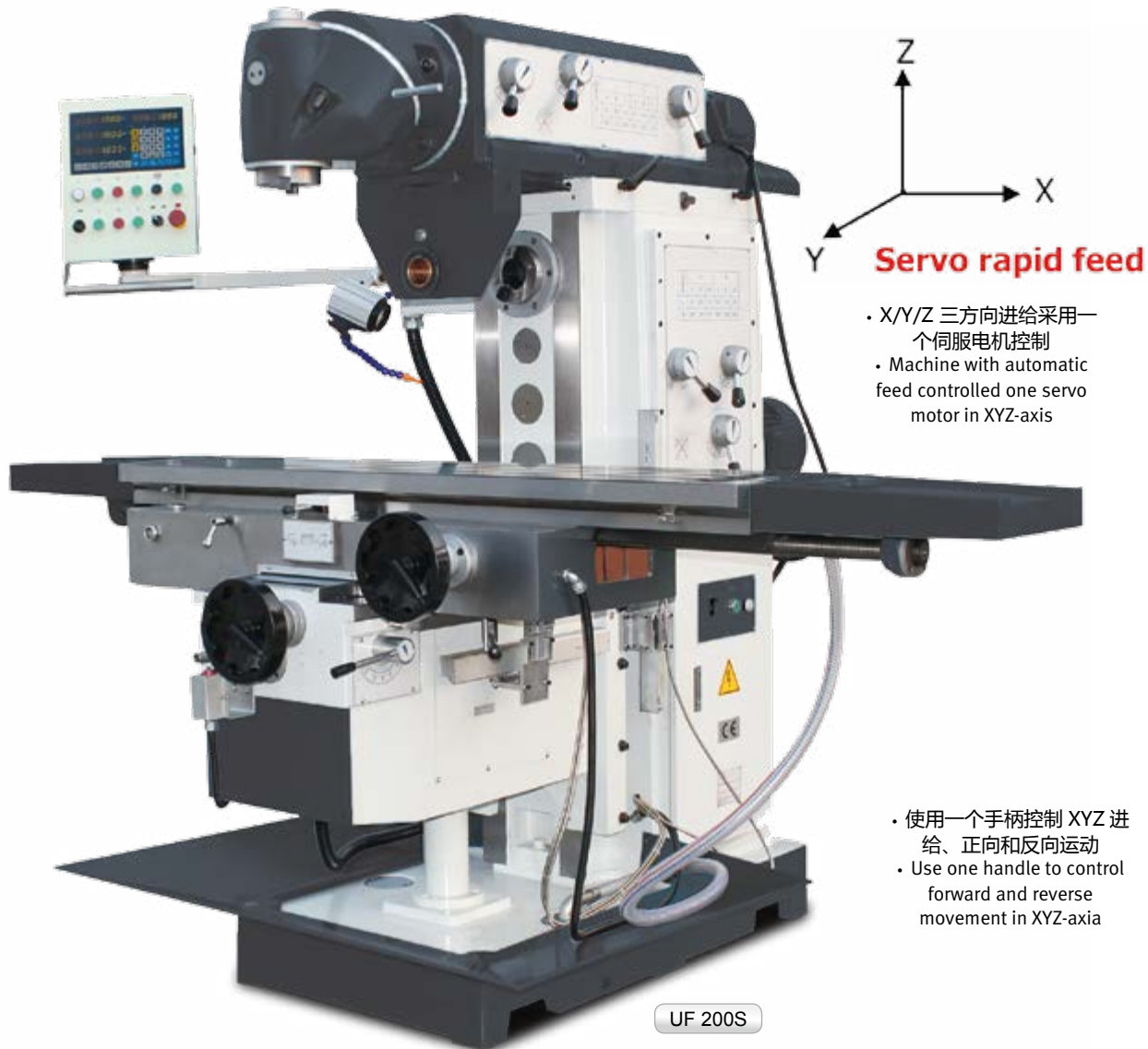


优质、高效、高性价比

- 高强度 HT-200 铸件及加强筋，带来高强度的床身
- 精磨导轨，表面淬火，保证长期使用精度和耐用性
- 1600 x 360 mm 的大工作区域面积，以及高达 500 kg 的工作台负载能力
- 齿轮淬火并磨齿，带来主轴箱齿轮噪音低、精度高
- 万能铣头可在两种水平位置回转 - 可迅速从水平方向切换到垂直方向加工
- 基于两种回转水平位置，可以设置几乎任何角度
- 使用强劲的伺服电机保证三轴进给无限调整
- Y 轴上可伸缩式护罩可保护进给主轴
- 控制面板可以旋转到任意一边，另外集成的位置显示器也是其特色
- 5.5 kW 的主驱动保证高扭矩
- 带冷却系统和油盘

Convincing arguments: quality, efficiency and price

- Extremely rigid machine bed made of high-strength HT-200 cast-iron with heavy ribbing
- Precision-ground guideways with hardened surfaces for long-term accuracy and wear-resistance
- Large work area of 1600 x 360 mm and up to 500 kg table load capacity
- Quiet, precision-made headstock gears with hardened and ground gears
- Universal cutter head swivels on 2 levels - quick change-over from horizontal to vertical machining
- By combining both swivel levels, almost any spatial angle can be set
- Powerful axis servo-motors allow infinite adjustment of feeds on all 3 axes
- Telescoping covers on the Y axis protect the feed spindle
- Control panel swings out to either side and features an integrated position indicator
- 5,5 kW main drive guarantees high torque
- Coolant system and chip tray are Included



- X/Y/Z 三方向进给采用一个伺服电机控制
- Machine with automatic feed controlled one servo motor in XYZ-axis

- 使用一个手柄控制 XYZ 进给、正向和反向运动
- Use one handle to control forward and reverse movement in XYZ-axis

UF 200S

机床技术参数 /Specification

型号	Model	UF 200S
货号	Code No.	2220100
工作台最大承重	Max load of table	500 kg
工作台回转角度	Max rotary angle of table	±45° (optional)
主轴锥度	Spindle holding fixture	7:24 ISO50
主轴旋转	Spindle speed	60-1750 (V) rpm 60-1800 (H) rpm
卧轴端面到工作台的距离	Distance from horizontal spindle to table	20-410 mm
主轴端面到工作台的距离	Spindle nose-to-table distance	175-565 mm
立轴端面到工作台的距离	Distance between spindle nose and table surface	200 mm
工作台尺寸	Table(LxW)	1600×360 mm
工作行程X/Y/Z	X/Y/Z travel	1200/800/600 mm
T型槽	T-slots NO./width/pitch	3/18 mm/80 mm
工作台快移速度 (X/Y/Z)	Table rapid speed X/Y/Z	1200/800/600 mm
进给速度 (X/Y/Z)	Axis feed X/Y/Z	30-750/20-500/15-375 mm
主电机功率	Motor	4 kw / 5.5 kw
外形尺寸	Packing size(L×W×H)	2450×2100×2150 mm
机床净重	Net weight	2750 kg

MILLING

标准附件

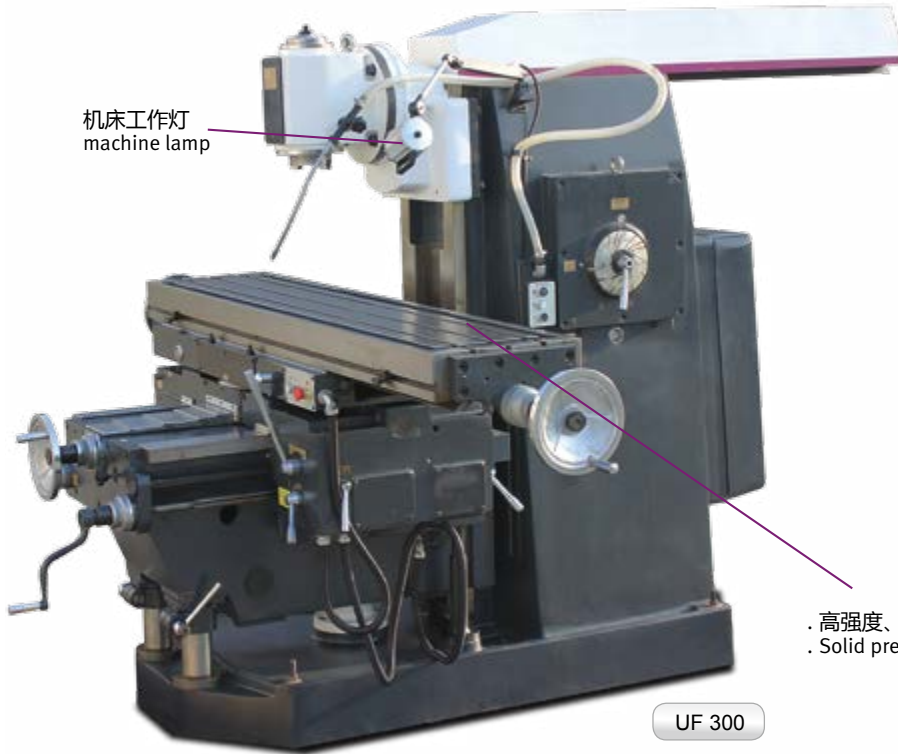
- 卧铣接杆 Φ27、Φ32
- 拉杆 M16
- 双头呆扳手 S22-24、S17-19、S36-41
- 内六扳手 5、10、14
- QB13 平口钳 160mm
- 套筒 M24
- 垫圈 M24
- ISO50 套铣夹头 7:24 ISO50 4\5\6\8\10\12\14\16
- 立式铣刀杆 7:24 ISO50-Φ32

Standard accessories:

- Horizontal arbor assembly Φ27、Φ32
- Draw bar M24
- Double-ended wrench S22-24、S17-19、S36-41
- Inner hexagonal wrench 5、10、14
- QB13 Series Machine vice 160mm
- Sleeve M24
- Washer M24
- ISO50 sets milling chuck 7:24 ISO50 4\5\6\8\10\12\14\16
- Vertical milling cutter arbor 7:24 ISO50-Φ32

UNIVERSAL HORIZONTAL KNEE-TYPE MILLING MACHINE

万能卧式升降台铣床 UF 300



卧铣
Horizontal milling position

- 高强度、高精度、大尺寸的工作台
- Solid precise large cross table

机床技术参数 / Specification

型号	Model	UF 300
货号	Code No.	2230000
电压	Voltage	400 V/50 HZ/3 PH
主电机功率	Main motor power	11 KW
进给电机功率	Feed motor speed	3 KW
冷却泵功率	Cooling pump power	0.15 KW
工作台面积	Worktable area	425x2000 mm
T 型槽	T slots (N×W×D)	3x18x100 mm
工作台承重	Table Load-bearing	800 Kg
工作台行程 - 纵向 (手动 / 机动)	Trip of worktable longitudinal(manual/mobile)	1200/1180 mm
工作台行程 - 横向 (手动 / 机动)	Trip of worktable transverse(manual/mobile)	410/400 mm
工作台行程 - 升降 (手动 / 机动)	Trip of worktable movements(manual/mobile)	460/450 mm
工作台最大旋转角度	Max. rotary angle of table	±45°
工作台进给级数	Feed series workstations	15
工作台进给范围 - 纵向	Feed scope workstations longitudinal	10-1250 mm/min
工作台进给范围 - 横向	Feed scope workstations transverse	10-1250 mm/min
工作台进给范围 - 升降	Feed scope workstations movements	2.5-315 mm/min
快速进给范围	Rapid feed ranges	X:3200 mm/min Y/Z:800/3200 mm/min
主轴到悬梁底距离	Distance from spindle center to arm	212 mm
工作台中心到导轨距离	Distance between table center to vertical guide way	450 mm
拉杆直径	Arbor diameter	24 mm
主轴端面到工作台最小距离	Min. distance from spindle center to table	30 mm
主轴孔锥度	Spindle hole taper	ISO 50 7:24
主轴孔直径	Diameter of spindle hole	Ø69.95 mm
主轴中心至工作台距离	Face to workstations from the spindle	30-480 mm
主轴变速级数	Spindle speed series	20
主轴变速范围	Spindle speed range	18-1400 rpm
主电机功率	Main electrical power	11 KW
包装尺寸	Overall size	2614x2497x2043 mm
外形尺寸	Size of machine	2700x2500x2200 mm
净重 / 毛重	Net weight/ Gross weight	5200 kg/5850 kg

VERTICAL KNEE-TYPE MILLING MACHINE

立式升降台铣床 UF 400

NEW



· 带刻度的铣头
· milling head with scales

· 机床的三向坐标运动均采用 T 型杠杆付、性能可靠、工作效率高
· coordinates movement of the three-machine lever used to pay T-reliable performance, high efficiency

· 高强度、高精度、大尺寸的工作台
· Solid precise large cross table

UF 400

机床技术参数 / Specification

型号	Model	UF 400
货号	Code No.	2240000
工作台面积	Worktable area	425X2000 mm (可选 425×2500 mm)
工作台行程 - 纵向 (手动 / 机动)	Trip of worktable longitudinal(manual/mobile)	1200/1180 mm (可选 1600/1580 mm)
工作台行程 - 横向 (手动 / 机动)	Trip of worktable transverse(manual/mobile)	410/400 mm
工作台行程 - 升降 (手动 / 机动)	Trip of worktable movements(manual/mobile)	460/450 mm
工作台进给级数	Feed series workstations	15
工作台进给范围 - 纵向	Feed scope workstations longitudinal	10-1250 mm/min
工作台进给范围 - 横向	Feed scope workstations transverse	10-1250 mm/min
工作台进给范围 - 升降	Feed scope workstations movements	2.5-315 mm/min
主轴中心至工作台距离	Face to workstations from the spindle	40-490 mm
主轴套筒行程	Spindle sleeve trip	90 mm
主轴变速级数	Spindle speed series	20
主轴变速范围	Spindle speed range	18-1400 rpm
主电机功率	Main electrical power	11 KW
外形尺寸	Size of machine	2600X2435X2500 mm (可选 3100×2435×2500 mm)
净重 / 毛重	Net weight/ Gross weight	5500/6160 kg (可选 5600/6260 kg)

UNIVERSAL MILLING MACHINE

万能铣床 UF 500 Servo

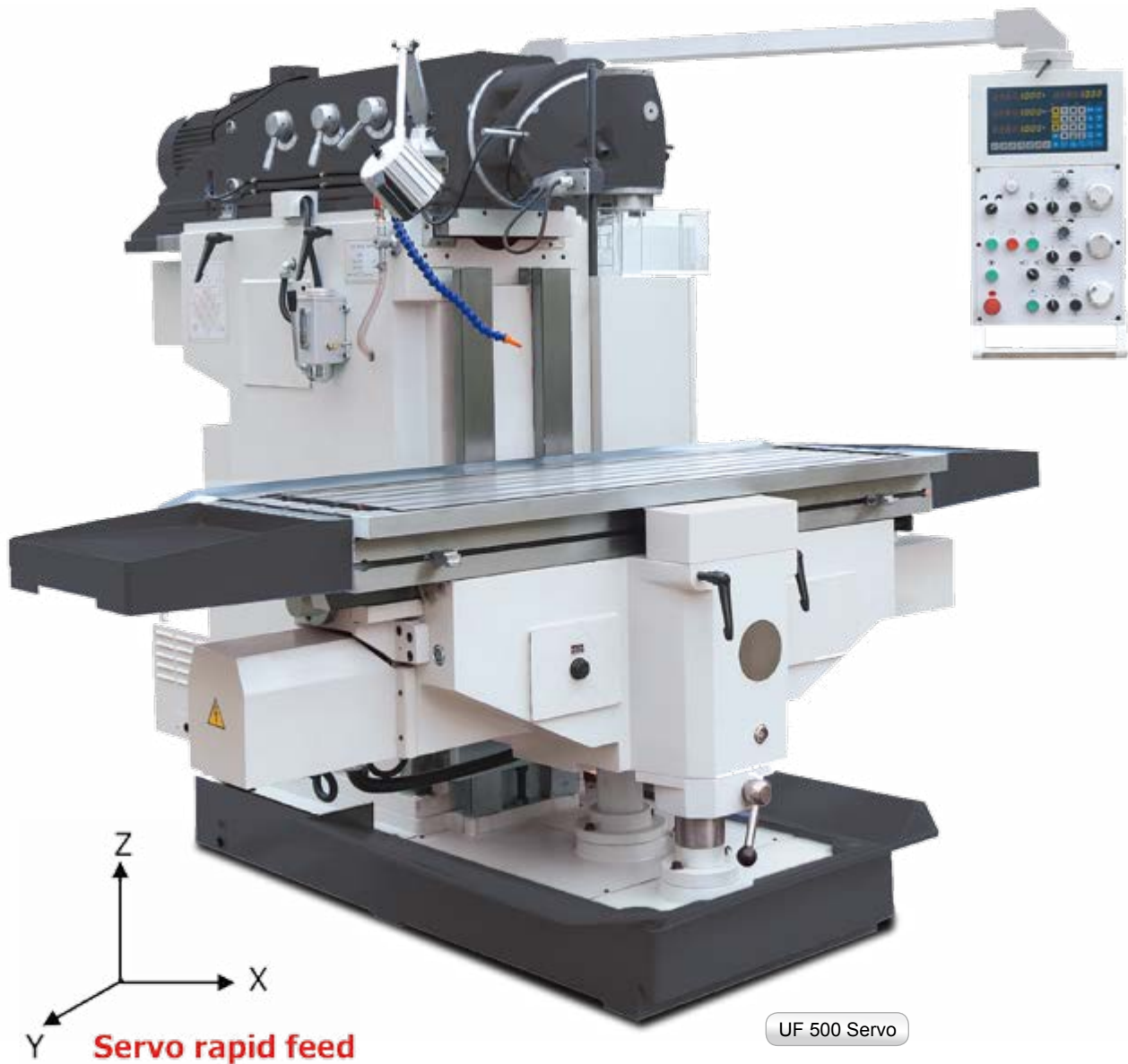


优质、高效、高性价比

- 工作台三轴装配滚珠丝杠，精度高
- 3个独立的马达控制工作台进给，无级变速，互补影响，可靠并易于操控厚重结实的高级米哈奈特铸铁制造
- 机械变速的主轴箱实现强力铣削
- 工作台另配有支柱，承重量大且精度高中心润滑
- 通过铣头的旋转，前面半圆可以铣削任何角度表面

Convincing arguments: quality, efficiency and price

- Table 3 axes with ball screws, high precision
- Table feeding with 3 separate servo motors, variable speeds, not interfere each other high reliability easy to operate
- Mechanical change speeds in head stock, powerful milling
- Table with an extra supporting column, big load, high accuracy
- It can mill any angle surface through front half-sphere by swiveling milling head



机床技术参数 /Specification

型号	Model	UF 500 Servo
货号	Code No.	2250000
主轴箱旋转角度	Swivel angle	360°
主轴锥度	Spindle holding fixture	ISO50
主轴旋转	Spindle speed	(27) 30-2050 rpm
主轴中心到立柱的距离	Distance from spindle center line to column	45-745 mm
立轴端面到工作台的距离	Distance between spindle nose and table surface	50-550 mm
工作台尺寸	Table(LxW)	500×2000 mm
工作行程X/Y/Z	X/Y/Z travel	1400×700×500 mm
T型槽	T-slots NO./width/pitch	5/18 mm/80 mm
工作台快移速度 (X/Y/Z)	Table rapid speed X/Y/Z	2200/2200/1100 mm/min
工作台进给 (X/Y/Z)	Table feed X/Y/Z	10-1000/10-1000/5-500 mm/min
主电机功率	Motor	7.5 kw
外形尺寸	Packing size(L×W×H)	2625×2860×2080 mm
机床净重	Net weight	5500 kg

MILLING

细节展示 Details



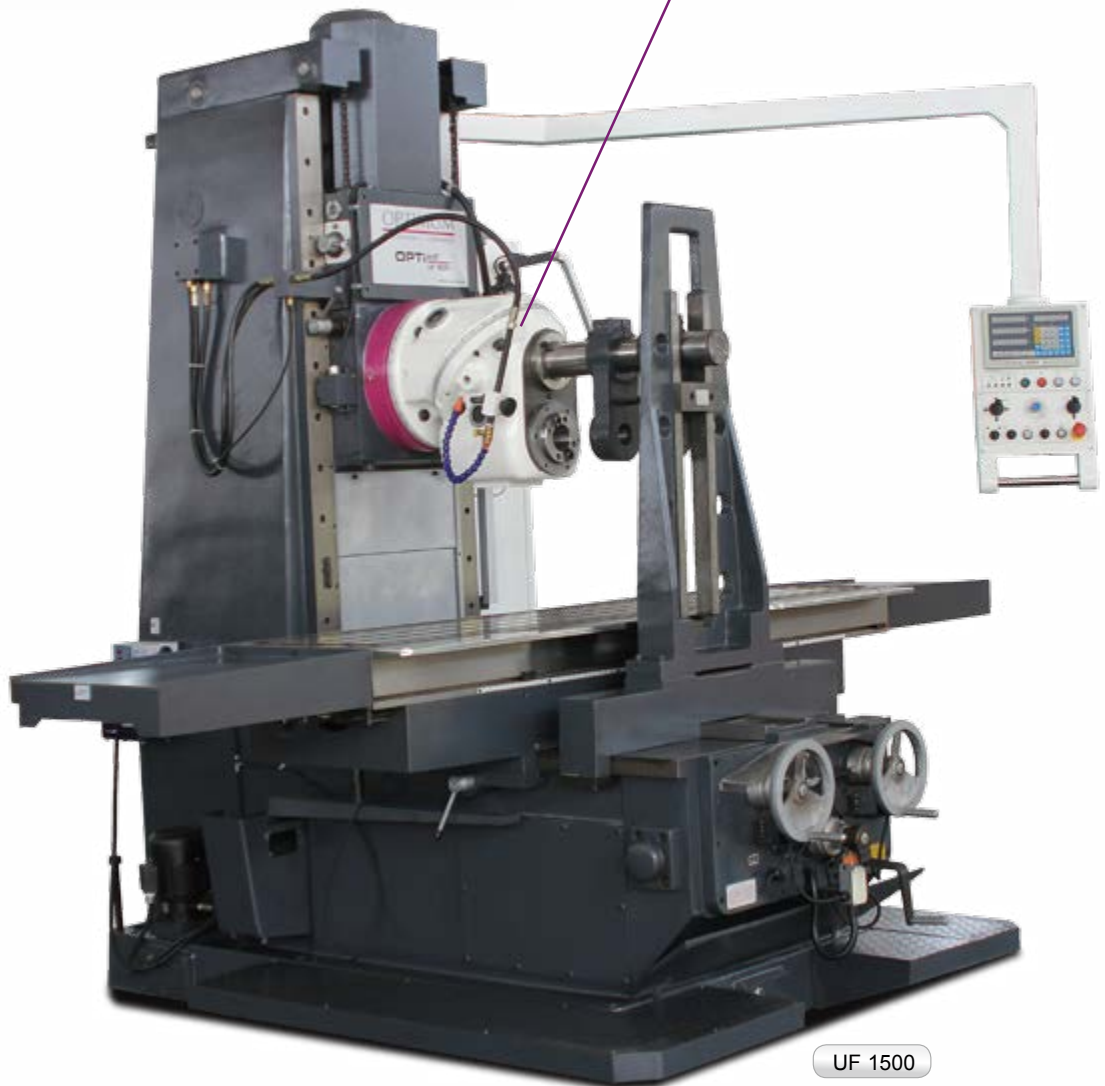
- 通过铣头的旋转，前面半圆可以铣削任何角度表面
- It can mill any angle surface through front half-sphere by swivelling milling head



- X/Y/Z 导轨集中润滑
- Central lubrication for X/Y/Z axis

UNIVERSAL MILLING MACHINE

万能铣床 UF1500



UF 1500

机床技术参数 /Specification

型号	Model	UF 1500
货号	Code No.	2215000
工作台尺寸	Table size	2100x500 mm
工作台行程X、Y	Table travel(X、Y)	1500x670 mm
Z向(机头上下)	Vertical travel of headstock	0-670 mm
工作台T型槽个数/宽度/间距	Number/width/distance of T-slot	4/20 mm/100 mm
工作台最大承重	Max.load of table	2000 kg
X、Y向进给速度	Feed speed	20-1800 mm/min
X、Y快速移动速度	Rapid feed speed	3500 mm/min
主轴锥度	Taper of spindle	7:24 ISO50
主轴转速范围	Spindle speed range	35-1345 rpm
主轴转速级数	Spindle speed step	12 steps
主轴中心至立柱导轨面距离	Distance from spindle axis to column guideway	610 mm
主轴电机功率	Spindle motor power	7.5 KW
冷却泵电机	Cooling pump motor	550 W
外形尺寸	Overall dimension	3300x2380x2750 mm
重量	Weight	7300 kg

标准附件：

- 拉杆
- 铣夹头 ISO50
- 铣接杆 φ40
- 卧铣接杆 φ32
- 7：24 中间套筒 ISO50/MS4
- 工具箱
- 油枪
- 地脚螺栓 M12×500

Standard Accessories：

- Draw bar
- ISO50 Milling chuck
- ISO50 Milling arbor φ40
- Horizontal milling arbor φ32
- 7：24 Middle sleeve ISO50/MS4
- Tool box
- Oil gun
- Foundation bolts M12×500

细节展示 Details



SURFACE GRINDING MACHINE

平面磨床 HSG 2050(VF)/2550(VF)

VF 系列

X、Y 轴自动

Z 轴标配交流伺服电机，在西门子 PLC 及 TD400 显示器控制下，可以实现机动升降，以及全自动磨削功能。

VF Series

X/Y axis auto

Z axis standard equipped with AC servo motor, controlled by SIEMENS PLC & TD400 HMI, by this to realize AUTO down feed and rapid down feed function.



HSG 2550



HSG 2550VF

左右、前后自动进给
升降配备普通马达，可实现机
动升降，手动进给
X/Y axis auto motion
Z axis equipped with AC motor,
to realize rapid move and
manual down feed

标准附件：

- 砂轮卡盘
- 砂轮平衡轴
- 砂轮拔出装置
- 冷却水箱
- 工作灯
- 工具箱及工具
- 砂轮修整器座（含金刚笔）
- 标准砂轮
- 水平调整螺栓及垫铁
- 电磁吸盘
- 内置式电磁吸盘控制器
- PLC 自动磨削控制器（只限于 VF 机型）

Standard accessories :

- Wheel Flange
- Balancing Arbor
- Wheel Extractor
- Coolant Tank
- Working Lamp
- Tool Box And Tools
- Wheel Dresser Stand (With Diamond Pen)
- Standard Grinding Wheel
- Leveling Wedge And Bolt
- Standard Electro Magnetic Chuck
- Build In Electro Magnetic Chuck Controller
- Plc Auto Grinding Controller (Only For VF Models)

机床技术参数 /Specification

型号	Model	HSG 2050/HSG 2050VF	HSG 2550/HSG 2550VF
货号	Code No.	8120500	8125500
工作台面积 (宽×长)	Table size (w×L)	200×508 mm	254×508 mm
左右最大移动量	Max. longitudinal travel	560 mm	560 mm
工作台前后最大移动量	Max. cross travel	240 mm	275 mm
主轴轴线至工作台面最大距离	Max. distance from spindle center to table surface	450 mm	450 mm
电磁吸盘尺寸	Magnetic chuck size	200×460 mm	250×500 mm
工作台纵向移动速度	Speed of table longitudinal movement	5~25 m/min	5~25 m/min
工作台横向移动自动进给量	Table transverse movement intermittent feed	0.1 ~ 8 mm/ stroke	0.1 ~ 8 mm/ stroke
工作台横向移动机动速度	Table transverse movement Rapid speed	990 mm/min	990 mm/min
工作台横向移动手轮进给量	Table transverse movement Feed of hand wheel	0.02 mm/div.	0.02 mm/div.
砂轮转速	Grinding wheel speed	2850 rpm(50Hz) 3450 rpm(60Hz)	2850 rpm(50Hz) 3450 rpm(60Hz)
砂轮尺寸	Grinding wheel Size (OD×W×ID)	200×20×31.75 mm	200×20×31.75 mm
主轴电机	Spindle Motor	2.2 KW	2.2 KW
液压站电机	Hydraulic pump motor	0.75 KW	0.75 KW
冷却泵电机	Cooling pump motor	0.04 KW	0.04 KW
前后驱动电机	Cross feed motor	0.04 KW	0.04 KW
工作台最大载重量 (含吸盘)	Max. loading capacity of table(include magnetic chuck)	120 kg	180 kg
总额定功率	Total rated power	3.7 KW	3.7 KW
净重/毛重	N.W./G.W.	1600/1650 kg	1750/1800 kg
包装尺寸	Packing size (L×W×H)	2000×2100×2150 mm	2000×2100×2150 mm

可选附件：

- 冷却吸尘装置
- 平衡架
- 砂轮卡盘
- 磁分冷却系统
- 纸带冷却系统
- 磁分 / 纸带冷却系统
- 平行修整器

Optional accessories :

- Coolant Tank With Dust Collector
- Balancing Stand
- Wheel Flange
- Coolant Tank With Magnetic Separator
- Coolant Tank With Paper Filter
- Coolant With Magnetic Separator And Paper Filter
- Parallel Wheel Dresser



- 平行修整器
- Parallel Wheel Dresser

SURFACE GRINDING MACHINE

平面磨床 HSG 3063/4080



HSG 4080

- 普通马达
 - 可以实现快速升降
 - 进给用手动；
- by handle wheel and normal AC motor, the AC motor will make the quick elevating movement.

可选 Optional:
HSG 3063VF/4080VF

- 伺服马达
 - 既可以实现快速升降
 - 又可以实现自动进给；
- by handle wheel and normal AC SERVO motor, the AC SERVO motor will make the AUTO FEED movement.

标准附件：

- 砂轮卡盘
- 砂轮平衡轴
- 砂轮拔出装置
- 冷却水箱
- 工作灯
- 工具箱及工具
- 砂轮修整器座 (含金刚笔)
- 标准砂轮
- 水平调整螺栓及垫铁
- 电磁吸盘
- 内置式电磁吸盘控制器
- PLC 自动磨削控制器 (只限于 VF 机型)

Standard accessories :

- Wheel Flange
- Balancing Arbor
- Wheel Extractor
- Coolant Tank
- Working Lamp
- Tool Box And Tools
- Wheel Dresser Stand (With Diamond Pen)
- Standard Grinding Wheel
- Leveling Wedge And Bolt
- Standard Electro Magnetic Chuck
- Build In Electro Magnetic Chuck Controller
- Plc Auto Grinding Controller (Only For VF Models)

可选附件：

- 冷却吸尘装置
- 平衡架
- 砂轮卡盘
- 磁分冷却系统
- 纸带冷却系统
- 磁分 / 纸带冷却系统
- 平行修整器

Optional accessories :

- Coolant Tank With Dust Collector
- Balancing Stand
- Wheel Flange
- Coolant Tank With Magnetic Separator
- Coolant Tank With Paper Filter
- Coolant With Magnetic Separator And Paper Filter
- Parallel Wheel Dresser

机床技术参数 /Specification

型号	Model	HSG 3063	HSG 4080
货号	Code No.	8130630	8140800
工作台面积 (宽×长)	Table size (w×L)	305×635 mm	406×813 mm
左右最大移动量	Max. longitudinal travel	765 mm	900 mm
工作台前后最大移动量	Max. cross travel	340 mm	450 mm
主轴轴线至工作面最大距离	Max. distance from spindle center to table surface	580 mm	580 mm
电磁吸盘尺寸	Magnetic chuck size	300×600 mm	400×800 mm
工作台纵向移动速度	Speed of table longitudinal movement	7~23 m/min	7~23 m/min
工作台横向移动自动进给量	Table transverse movement intermittent feed	0.1~8 mm/ stroke	0.1~8 mm/ stroke
工作台横向移动机动速度	Table transverse movement Rapid speed	990 mm/min	990 mm/min
工作台横向移动手轮进给量	Table transverse movement Feed of hand wheel	0.02 mm/div.	0.02 mm/div.
砂轮转速	Grinding wheel speed	1450 rpm(50Hz) 1750 rpm(60Hz)	1450 rpm(50Hz) 1750 rpm(60Hz)
砂轮尺寸	Grinding wheel Size (OD×W×ID)	350×40×127 mm	350×40×127 mm
主轴电机	Spindle Motor	5.5 KW	5.5 KW
液压站电机	Hydraulic pump motor	2.2 KW	2.2 KW
冷却泵电机	Cooling pump motor	0.125 KW	0.125 KW
前后驱动电机	Cross feed motor	0.04 KW	0.04 KW
工作台最大载重量 (含吸盘)	Max. loading capacity of table(include magnetic chuck)	270 kg	500 kg
总额定功率	Total rated power	9 KW	9 KW
净重/毛重	N.W./G.W.	2850/2900 kg	3300/3500 kg
包装尺寸	Packing size (L×W×H)	2350×2220×2150 mm	2850×2270×2180 mm

可选附件 /Optional accessories :



· 4080R 小半罩



· 4080A 大半罩

MANUAL SURFACE GRINDING MACHINE

手动平面磨床 MSG 180/MSG 250



MSG 180



MSG 250

MSG 180

标准附件：

- 砂轮卡盘
- 砂轮平衡轴
- 砂轮拔出装置
- 冷却水箱
- 工作灯
- 工具箱及工具
- 砂轮修整器座（不含金刚笔）
- 标准砂轮
- 水平调整螺栓及垫铁

Standard accessories：

- Wheel Flange
- Balancing Arbor
- Wheel Extractor
- Coolant Tank
- Working Lamp
- Tool Box And Tools
- Wheel Dresser Stand Not Include Diamond Pen
- Standard Grinding Wheel
- Leveling Wedge And Bolt

MSG 250

标准附件：

- 砂轮卡盘
- 砂轮平衡轴
- 砂轮拔出装置
- 冷却水箱
- 工作灯
- 工具箱及工具
- 砂轮修整器座（含金刚笔）
- 标准砂轮
- 水平调整螺栓及垫铁
- 砂轮平衡架

Standard accessories：

- Wheel Flange
- Balancing Arbor
- Wheel Extractor
- Coolant Tank
- Working Lamp
- Tool Box And Tools
- Wheel Dresser Stand (With Diamond Pen)
- Standard Grinding Wheel
- Leveling Wedge And Bolt
- Balancing Stand

机床技术参数 /Specification

型号	Model	MSG 180	MSG 250
货号	Code No.	8171800	8172500
可磨最大宽度	Max. width to be ground	220 mm	220 mm
可磨最大长度	Max. length to be ground	470 mm	520 mm
可磨最大高度	Max. height to be ground	350 mm	350 mm
工作台面积	table size (W×L)	210×450 mm	200×520 mm
永磁吸盘面积 (特殊附件)	Permanent magnetic chuck size (Optional)	200×400 mm	200×450 mm
最大纵向行程	Max. longitudinal travel	500 mm	570 mm
最大横向行程	Max. cross travel	240 mm	250 mm
主轴中心到台面最大距离	Max. distance from spindle center to table surface	450 mm	450 mm
砂轮机尺寸	Grinding wheel Wheel sizes	200×13×31.75 mm	200×20×31.75 mm
砂轮转速	Grinding wheel Speed	3450 (60HZ) 、 2850 (50HZ) r/min	
磨头电机功率	Spindle motor power	标准standard 1.5 KW (电主轴build in spindle : 1.1 KW)	
机床最大承载(含永磁吸盘)	Max. table loading (include chuck)	128 kg	140 kg
机床重量	Machine weight	920 kg	1120 kg
机床外形尺寸	Machine size (L×W×H)	1330×1150×1680 mm	1450×1390×1770 mm
标准包装箱尺寸	Package size (standard)	1150×1410×1950 mm	1670×1700×1980 mm
拆工作台包装尺寸	Package size (dismantle table)	1400×1120×1980 mm	1670×1120×1980 mm

MSG 180

可选附件：

- 永磁吸盘 200×400 用于 M818A
- 冷却吸尘装置
- 砂轮平衡架
- 平行修整器 (滑块式)
- 砂轮卡盘

Optional accessories :

- Permanent Magnetic Chuck For M818A
- Cooling And Dust Collector
- Wheel Balancing Stand
- Parallel Wheel Dresser
- Wheel Chuck

MSG 250

可选附件：

- 砂轮平衡架
- 冷却吸尘装置
- 砂轮卡盘
- 平行修整器
- 吸尘装置

Optional accessories :

- Wheel Balancing Stand
- Cooling And Dust Collector
- Wheel Chuck
- Parallel Wheel Dresser
- Dust Collector

SLOTING MACHINE

插床 TS125K



TS125K

机床技术参数 /Specification

型号	Model	TS125K
货号	Code No.	2612500
电机	Motor	400V ~ 50Hz 0.25 KW
钢制品钻孔能力	Slotting capacity in steel	60/70 min
钢制品连续切削量	Slotting capacity in cast	120 min
主轴行程	Spindle sleeve stroke	100 mm
最大转速	Spindle speed max.	1400 rpm
旋转角度	Swivelling	+ / - 45°
Z轴行程	Travel of Z axis	430 mm
Y轴行程	Travel of Y axis	200 mm
X轴行程	Travel of X axis	450 mm
T型槽尺寸宽度/数量/距离	T - slot size / number / distance	12/63 mm
工作台尺寸	Table size (L×W)	750×210 mm
工作区范围	Working area (L×H)	2500×2000 mm
机床外形尺寸	Machine size (L×W×H)	1120×800×1350 mm
机床重量	Machine weight	272 kg

POWER FEED



走刀器 V99S/V250S

S:safety function

- 当按下急停或者断电时，必须将手柄调至零位，然后才能重新启动走刀器，最大限度的保护用户安全。
- When push the e-stop swith or power off,you must set the lever to zero position then can restart the power feed,more protection to user.

优质、高效、高性价比

- 重型、耐用、工业型设计，电机免维护
- 罩壳采用高强度铸铝材质
- 动平衡电机和高质量滚珠轴承，带来长久使用寿命，以及安静运行
- 转速范围：V 99S 最低 0 - 140 min-1 最高 200 min-1, V250S 最低 0 - 160 min-1 最高 160 min-1
- 齿轮传送比：V 99S (3,5 : 1), V250S(4:1)
- 带减震橡胶垫
- 带安全停止功能

Convincing arguments: quality, efficiency and price

- Heavy, durable industrial design with maintenance-free motor
- Housing made of strand cast aluminium
- Long service life and quiet action thanks to balanced rotor with quality ball bearings
- Speeds 0 - 140 min-1 max. 200 min-1 (V 99S) and 0 - 160 min-1 max. 160 min-1 (V250S)
- Transformation ratio gear 3,5 : 1 (V 99S) and 4:1 (V250S)
- Vibration-damping rubber feet
- With safety stop function



V 99S



V 250S

机床技术参数 /Specification

型号	Model	V 99S	V250S
货号	Code No.	2909100	2909251
安装方式	Montage	Horizontal卧式	Vertical立式
电压	Electrical connection	230 V ~ 50 Hz	230 V ~ 50 Hz
电机功率	Motor power	90 W	130 W
转速	Spindle speed	0 - 140 min-1 max. 200 min-1	0 - 160 min-1 max. 160 min-1
速比	Transformation ratio gear	3.5 : 1	4:1
高	Measurements Height	33 cm	33 cm
长	Measurements Length	29 cm	29 cm
宽	Measurements Width	20 cm	20 cm
净重	Net weight	6 kg	6 kg
毛重	Brut weight	7 kg	7 kg

OPTIMUM Precision quick-action drill chuck

True running accuracy of better than 0.06 mm

0 - 8 mm; B16	305 0608
0 - 10 mm; B16	305 0610
0 - 13 mm; B16	305 0623
0 - 16 mm; B16	305 0626
0 - 16 mm; B18	305 0630



Quick-action drill chuck

1 - 13 mm; B16	305 0656
3 - 16 mm; B16	305 0657



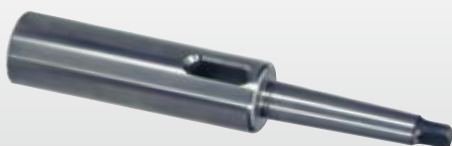
OPTIMUM Direct quick-action drill chuck

MT 2 1 - 16 mm; up to 6'000 min⁻¹	305 0571
MT 2 1 - 13 mm; up to 8'000 min⁻¹	305 0572
MT 3 1 - 16 mm; up to 6'000 min⁻¹	305 0573
MT 4 1 - 16 mm; up to 6'000 min⁻¹	305 0574



Extension bushings

MT 2 - MT 3	305 0667
MT 3 - MT 4	305 0668



Arbor for drill chuck

Outside cone MT 2 / M10 / B16	305 0670
Outside cone MT 3 / M12 / B16	305 0303
Outside cone MT 4 / M16 / B16	335 0304
Outside cone ISO 30 / M12 / B16	335 2069
Outside cone ISO 40 / M 16 / B16	335 2070



Arbor for milling cutter MK2

335 2102

- Outside cone MK2
- Seat for milling cutter \varnothing 16 mm

Arbor for milling cutter SK50

335 2066

Outside cone 27 mm DIN2080

Arbor for milling cutter ISO 40

335 2071

- Outside cone ISO 40
- Seat for milling cutter \varnothing 22 mm



Fig.: ISO 40

Morse taper SK50

335 2067

B18 DIN2080

Vibration damping machine foot

- Machines and devices can be installed without anchoring and exactly levelled per height adjustment
- Machine capability is improved by efficient impact and vibration damping

SE 1	338 1012
SE 2	338 1016
SE 3	338 1018

Charge	SE 1	SE 2	SE 3
Milling machines	340 Kg	460 kg	1'600 kg
Sawing/ General machinery	570 kg	1'460 kg	3'500 kg
Thread	M12	M 16	M 20
Base \varnothing /Base height	120/32	160/35	185/39



Hex key drill chuck

Type	Code NO.	Capacity(mm)	Capacity(inch)
BT30×GHK16S	1913003	1.5-16	1/16-5/8
BT40×GHK16S-103	1913004	1.5-16	1/16-5/8
SK40×GHK16S-95	1913005	1.5-16	1/16-5/8



End mill kit

- Coated with titanium
- Higher durability and stability with 2 to 5 times longer service life
- Double chipping performance
- Better workpiece surface
- With cylindrical shaft and lateral pulling faces
- Type with 2 cutting edges for milling of keyways / drilling slots as well as milling grooves in the centre of the workpiece
- Vertical or lateral milling processes can be performed
- Type with 4 cutting edges with 30° right-handed helix for good chip removal for standard to rigid materials
- Wooden box

End mill kit HSS 12 pcs 335 2113

- 6 milling cutter, short type · Type with 2 cutting edges.
- DIN 1835 B (ø12x73, ø10 x 63, ø8 x 61, ø6 x 52, ø5 x 52, ø4 x 51 mm)

- 6 milling cutter, short type · Type with 4 cutting edges.
- DIN 1835 B (ø12 x 83, ø10 x 73, ø8 x 6, ø6 x 57, ø5 x 57, ø4 x 55 mm)

End mill kit HSS 20 pcs 338 6200

- 10 milling cutter DIN 327 D · short type · 2 cutting edges
- DIN 1835 B, (3/4/5/6/8/10/12/14/18/20 mm)

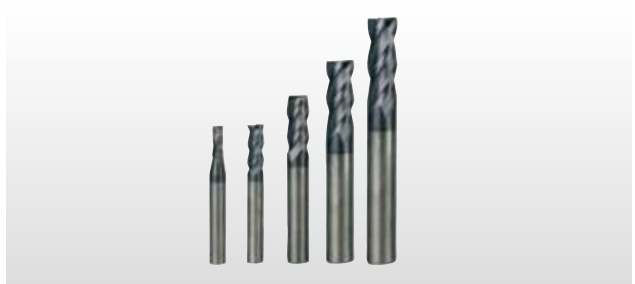
- 10 milling cutter DIN 844 B · short type · 4 cutting edges
- DIN 1835 B, (3/4/5/6/8/10/12/14/18/20 mm)



Hard-metal milling cutter kit

335 2118

- 18 pcs; 3 pcs each of the sizes 3/4/6/8/10 and 12 mm
- Type with 4 cutting inserts
- Coated full hard metal milling cutter (TiAlN)
- Central cut for plunging
- Angle of rake 35°



Precision modular vices

305 1010

- Coated with titanium
- Higher service life and durability
- Higher hardness than hard metal
- More rapid working results
- Lower wear
- 25 pcs; Sizes 1 - 13 mm
- Metal box



Twist drill HSS incl. Morse taper

- 9 pieces; sizes 14,5/16/18/20/22/24/26/28/30 mm
- Wooden box
- Long service life
- Good chip removal
- Right hand cutting

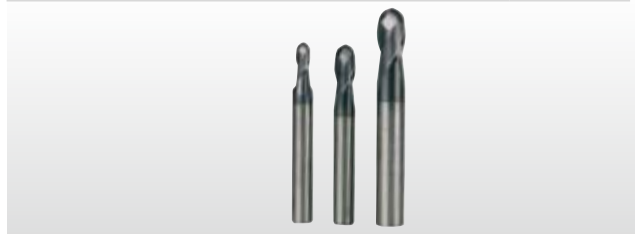
MT2	305 1002
MT3	305 1003



Milling cutter kit radius

335 2116

- 9-pieces; Sizes 3 x 4 mm/3 x 6 mm/3 x 8 mm
- Type with 2 cutting inserts
- Coated full hard metal milling cutter (TiAlN)
- Face cutting edge geometry for plunging
- Angle of rake 30°



Copy and planing cutter head "Made in Germany"

- Universal insert to treat all steel and NE metals
- For surface and copy milling
- Made of special steel - highly annealed
- High plan and true running accuracy
- Milling body with irregular partition for very smooth running and regular cuts
- Base body and clamping shaft are forming a unit, thus short protruding length and stable tension
- No additional milling arbors are used
- Special geometries for milling at high speed
- Economic since the plate can be easily turned on when the cutting edge is getting blunt (it can be used up to 12 times)
- Including 5 cutting inserts RDET 1003 MOSN 8026
- Including Torx TX15

- 5 cutting edges
- Outside diameter 52 mm
- Cutting inserts Ø 10 mm
- ISO designation RDX. 1003 D52/R5

Seat shaft MT 2/M10	335 0212	195.00
Seat shaft MT 3/M12	335 0213	215.00
Seat shaft MT 4	335 0214	289.00
Seat shaft ISO 30	335 0215	249.00



Fig.: MT 2

- 5 cutting edges
- Outside diameter 63 mm
- Cutting inserts Ø 10 mm
- ISO designation RDX. 1003 D63/R5

Seat shaft ISO 40	335 0216	289.00
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Fig.: ISO40

HM cutting inserts 5 pcs

- RDET 1003 MOSN8026
- Positive cutting edge geometry
- PVD coated
- To machine steel of up to 900 N/mm², stainless steel, aluminium, non-ferrous metal, cast iron

RDET	335 0220	45.00
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- RDHT 1003 MO-FA HF7
- Highly positive cutting edge geometry
- Polished
- To machine AL alloys, copper alloys, plastic materials

RDHT	335 0221	45.00
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Fig.: RDET



Fig.: RDHT

Precision boring drilling head kit

- Tool kit for universal use for drilling/turning tasks to produce fit drills, clearance grooves, internal threads, etc.
- Also suitable for outside and vertical machining
- Field of application from Ø 10 mm to Ø 220 mm
- Made of high quality steel, hardened and precision ground
- Including boring cutters, shafts, clamp sleeves, socket spanners
- Case

MT 3	335 2083	269.00
MT 4	335 2084	269.00
ISO 30	335 2085	279.00
ISO 40	335 2086	269.00



Precision boring drilling head kit

- Tool kit for universal use for drilling/turning tasks to produce fit drills, clearance grooves, internal threads, etc.
- Also suitable for outside and vertical machining
- Field of application from Ø 5 mm to Ø 250 mm
- Made of high quality steel, hardened and precision ground
- Including boring cutters, shafts, clamp sleeves, socket spanners
- Case

MT 3	335 2073	1'050.00
ISO 30	335 2072	1'050.00
ISO 40	335 2074	1'050.00



Collet chuck kit

- Collet chuck
- Sickle spanner

MT 2/M10/ER 25 335 2052

- 15 collets; sizes Ø 1,5 - Ø 16 mm / DIN ISO 15488

MT 2/M10/ER 32 335 2053

- 18 collets; sizes Ø 2 - Ø 20 mm / DIN ISO 15488

MT 3/M12/ER 32 335 2093

- 18 collets; sizes Ø 2 - Ø 20 mm / DIN ISO 15488

MT 4/M16/ER 32 335 2094

- 18 collets; sizes Ø 2 - Ø 20 mm / DIN ISO 15488

ISO 30/ER32/DIN 2080 335 2054

- Collet chuck
- 18 collets, sizes Ø 2 - 20 mm / DIN ISO 15488
- Draw-in bolt M12/M12 and draw-in bolt BT 30
- Sickle spanner
- Metal case

ISO 40/ER32/DIN 2080 335 2056

- Collet chuck
- 18 collets, sizes Ø 2 - Ø 20 mm / DIN ISO 15488
- Draw-in bolt M16/M16 and draw-in bolt BT 40
- Sickle spanner
- Metal case

SK 50/ER32/DIN 2080 335 2065

- Collet chuck
- 18 collets, sizes Ø 2 - Ø 20 mm / DIN ISO 15488



Fig. ISO 40

Collet chuck ISO 30/ER25 335 2046

- Sickle spanner



Collet kit

ER 25 344 1109

- 15 collets, sizes Ø 1 - 16 mm / DIN ISO 15488

ER 32 344 1122

- 18 collets, sizes Ø 3 - 20 mm / DIN ISO 15488



Adapter ISO 30 / MT 3 344 2068

Collets MT 3 directly clamping / M 12 (single)

Ø 4 mm	335 2004
Ø 6 mm	335 2006
Ø 8 mm	335 2008
Ø 10 mm	335 2010
Ø 12 mm	335 2012
Ø 16 mm	335 2013

Collet kit

MT 2 directly clamping / M 10 335 1980

- 5-pieces; sizes Ø4 / Ø6 / Ø8 / Ø10 / Ø12 mm
- Wooden box

MT 3 directly clamping / M 12 335 2014

- 6-pieces; sizes Ø4 / Ø6 / Ø8 / Ø10 / Ø12 / Ø16 mm
- Wooden box



Clamping tool kit SPW 58 pcs

- Metric threads
- 24 pcs draw-in bolts
- 6 pcs T-slots
- 6 pcs nuts
- 4 pcs elongation nuts
- 6 pcs step blocks
- 12 pcs clamping blocks
- Practical wall bracket

SPW 8 335 2015

- T-slots 10 mm; draw bar thread M 8

SPW 10 335 2016

- T-slots 12 mm; draw bar thread M 10

SPW 12 335 2017

- T-slots 14 mm; draw bar thread M 12

SPW 14 335 2018

- T-slots 16 mm; draw bar thread M 14

SPW 16 335 2019

- T-slots 18 mm; draw bar thread M 16



Bracket 90° 338 5052

- For clamping purposes when performing mechanic machining of workpieces control and marking off works
- Precision: Parallelism and angularity of 0.01 on 100 mm
- Lateral stiffening ribs
- Neat processing of outsides
- Dimensions L x W x H: 202 x 126 x 150 mm
- Weight 7 kg



Horizontal-vertical circular dividing tables including 3-jaw chuck

- Quality circular dividing tables made of high quality Meehanite cast
- Reliable and precise
- Precision taper roller bearing
- Stability even under heavy load
- Large spindle hole to clamp longer workpieces
- Direct dividing via locking discs for higher manufacturing speed for mass parts
- Degree division on a scale of 360° (RTE 165)
- Degree division on a scale of 360° with crank and nonius (RTU 165)
- Direct dividing via locking disc
- 24 positions (15° division)
- Three jaw chuck
- 7 locking disks for 2/3/4/6/8/12/24 divisions
- Including clamping disk with 3 grooves

RTE 165		335 6365	
RTU 165		335 4165	
Table diameter	mm	165	165
Construction height	mm	200	221
Width	mm	260	250
Length	mm	218	235
Centre height	mm	130	130
Clamping disks	mm	203	203
Passage	mm	36	36
Weight	kg	32.5	48
Direct indexing plate	Spacing of 24 (= 15°)		
Indirect indexing plate	Spacing of 2, 3, 4, 6, 8 and 12		
Spacing accuracy of the direct dividing equipment	45'		
Clamping option	Horizontal and vertical		
clamping surface	With scale of 360°		



Fig.: RTE 165



Fig.: RTU 165

Horizontal-vertical circular dividing tables

- Quality circular dividing tables made of high quality Meehanite cast
- Reliable and precise
- Precision bearing
- Stability even under heavy load
- Large spindle hole to clamp longer workpieces
- Quick-action dividing via locking discs for higher manufacturing speed for mass parts
- Hardened and ground screw
- Working table with 360° scaling
- 1 turn of the handwheel 4° rotation
- Scaling on the handwheel 2'
- Possible division via scaled handwheel with vernier
- Up to 150 pcs (RT 150) and 400 pcs (RT 200) different divisions with indirect dividing plates are available

RT 100				
Circular dividing table		335 6110		
RT 150				
Circular dividing table		335 6150		
Flange for lathe chucks		335 6154		
Three jaw chuck Ø 130 mm centric		335 6100		
RT 200				
Circular dividing table		335 6200		
Technical data		RT 100	RT 150	RT 200
Centring cone		MT2	MT2	MT3
Transmission ratio		90:1	90:1	90:1
Disk size	mm	Ø 110	Ø 150	Ø 210
Construction height	mm	72	79	104
Length	mm	138	204	265
Width	mm	118	156	199
Centre height	mm	80	102	133
Slot width	mm	11	11	16
Number of grooves		3	4	4
Indirect dividing equipment		No	Yes	Yes
Net weight	kg	9	12	30

Flange for lathe chucks	335 6254
Three jaw chuck Ø 165 mm	335 6225

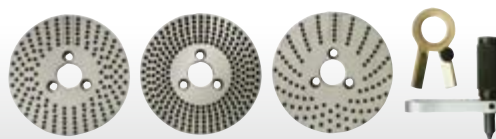


Fig.: RT 100

Optional:
„CNC add-on kits MK RT1 and MK RT2 to control the horizontal vertical circular dividing tables “ on page <?>

Indirect dividing equipment

IT 150	335 6152
• 3 pcs. Indexing plates . Sector arm	
• Angle shear with spring steel plate	
• Suitable for RT 100/RT 150	
IT 200	335 6205
• 2 pcs. Indexing plates . Sector arm	
• Angle shear with spring steel plate	
• Suitable for RT 200/RTU 165	



Height adjustable tailstock

Tailstock Rst 1	335 6155
<ul style="list-style-type: none"> • Height of centres 72 - 108 mm • suitable for RT 100, RT 150 	
Tailstock Rst 2	335 6157
<ul style="list-style-type: none"> • Height of centres 110 - 145 mm • suitable for RT 200, RTE 165, RTU 165 	



Universal compressed air tool clamping system

- Incl. tool clamping device, cover, maintenance unit, crown gear, draw-in rod, switch cabinet, control element
- High achievable vacuum
- Short change times by one-hand operation
- Little weight due to optimised structure
- Safe locking due to toggle principle
- Precise guiding due to optimised geometry
- Little air consumption

ISO 30	335 2393	719,00
• For OPTIMILL BF30 Vario		
Adapterplatte	335 2391	61,00
• For OPTIMILL BF30 Vario		
ISO 40	335 2394	719,00
• For OPTIMILL MF 2 Vario / OPTI MF 4 Vario / BF 46 Vario		
Adapter plate	335 2392	81,00
• For OPTIMILL BF 46 Vario		
Factory assembly of clamping system	900 0490	250,00



(Note: In order for any work of installation: it can arise adaptation work)



Adapter plate

Thread cutting device M5 - M12/B16

335 2042

- Integrated quick return, immediately effective when changing the feed direction
- Sliding clutch 4-stage adjustable

Scope of delivery:

- 2 flexible collets
- 2 open-end wrenches
- Handle

Technical data	
Notching path	4 mm
Free wheel	1.5 mm
Length compensation to tension	8.5 mm
Max. speed	1000 min ⁻¹
Transmission ration forward and return	1:1.75
Cutting range	M5 - M12
Clamping range	3.5-10
Length	B16 DIN 238
Length compensation to pressure	156 mm
Shaft seat	5 mm

- Allen key



Universal dividing head TA 125

335 6125

- Slewable from -10° to +90°
- Hardened and ground screw
- Precision taper roller bearing
- Hardened and ground main dividing plate (spacing of 24), in order to exactly divide to 15°
- Up to 300 different divisions with indirect dividing plates are available

Scope of delivery

- Height adjustable tailstock Rst1
- Centre point 60° / MT2
- Carrier attachment

Technical data	
Transmission	40:1
Construction height	175 mm
Width with centre point	205 mm
Length	230 mm
Centre height	100 mm
Hole in the seat shaft (passage)	18 mm
Slot width	16 mm
Direct indexing plate (division)	15°
	Ø 110 mm
Indirect indexing plates (Hole on the pitch circle)	15; 16; 17; 18; 19; 20; 21; 23; 27; 29; 31; 33; 37; 39; 41; 43; 47
True running accuracy	0.015 mm
Net weight	12 kg

- Flange (Ø 140 mm, t = 12 mm) for carrier pin or lathe chuck assembly



Universal table feed

- Milling table feed
- Horizontal assembly (V99)
- Vertical assembly (V250)
- Infinitely variable speed adjustment and rapid feed
- Right-/left handed rotation
- 230 v, Overload protection and limit stop switch
- For self-assembly

Opti V 99	335 2022
Opti V 250	335 2029

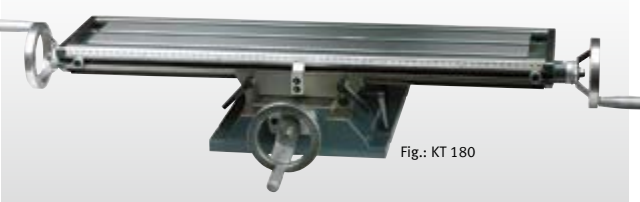


Cross table KT

- Coolant channel
- Adjustable dovetail guide
- Adjustable handwheel scaling with a division of 0.05 mm

KT 120	335 6595
KT 179	335 6596
KT 180	335 6591
KT 210	335 6600

Technical data		KT120	KT179	KT 180	KT210
Length	mm	506	748	945	1065
Width	mm	400	483	483	555
Height	mm	140	148	169	200
T-slot size	mm	10	12	12	14
Table length	mm	400	500	700	730
Table width	mm	120	180	180	210
Load of cross table	kg	40	55	55	80
Pedestal width	mm	220	274	274	280
Pedestal length	mm	280	340	340	362
Travel X axis	mm	220	280	480	480
Travel Y axis	mm	165	175	175	210
Net weight	kg	22	32	49	84



Holding down clamp, kit of 2 pcs

- Adjustable clamping height
- Brass plate under clamping arm protects the material against damages

Table groove 14 mm/M 12	335 2031
• L x W x H: 115 x 42 x 39 mm;	
• Height adjustment: 0 - 89 mm	
Table groove 18 mm/M 16	335 2032
• L x W x H: 133 x 50 x 49 mm	
• Height adjustment: 0 - 101 mm	



Kit of parallel packing plates 20-pcs

335 4001

- For precision works for parallel mounting of workpieces on the machine, vices, on marking-on plates or machine tools
- Ground to very high precision of 0.01 mm
- Thickness 3 mm
- Length 150 mm
- Sizes 2 x 13 mm/2 x 16 mm/2 x 19 mm/2 x 22 mm/2 x 25 mm/2 x 28 mm/2 x 31 mm/2 x 35 mm/2 x 38 mm/2 x 41 mm



Kit of parallel packing plates

335 4000

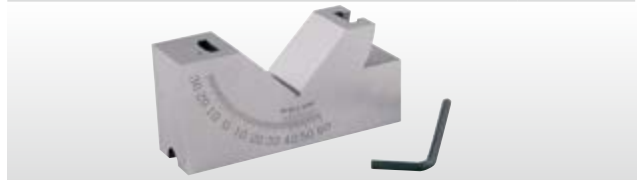
- Hardness HRC 50 - 55
- Ground to very high precision of 0.01 mm
- 18-pieces; sizes from 5 x 16 x 100 up to 22 x 62 x 150
- Plastic case



Prism WP 30

335 2195

- Robust type to be used on machine tools
- Highly precise type
- Adjustable from 0° to 60° and from 0° to -30°
- Hardened and ground carbons steel
- Precision perpendicularity 0.005 mm
- Angular tolerance 0.01°
- Dimensions L x W x H: 75 x 25 x 32 mm



Universal coolant equipment

- Delivery height max. 2.5 m
- Delivery volume 8 l/min
- Tank capacity 11 l
- Tank size L x W x H: 370 x 245 x 170 mm
- Complete including tank, flexible tube, hose
- With switch-plug combination
- Magnetic anchoring
- For self-assembly

Universal coolant equipment 230 V/1 Ph	335 2002
Universal coolant equipment 400 V/3 Ph	335 2001



Coolant lubricant sprayer with magnetic base MMC1

335 6663

- Foot size L x W x H: 62 x 50 x 55.5 mm
- Magnetic stand holding force 75 kg
- Flexible hose
- Length of the coolant hose 500 mm



Coolant hose KMS 2

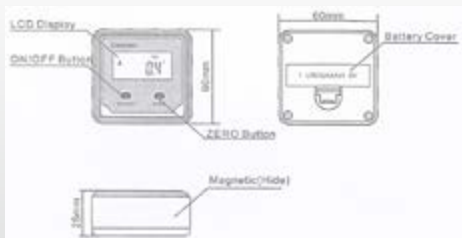
335 6660

- Two variable coolant hoses made of individual plastic elements
- Not electroconductive
- Magnetic stand holding force up to 50 kg
- Length of the coolant hoses 335 mm
- Flexible and stable
- Resistant against most solvents and chemicals
- Universally applicable on all machine tools



Level Box

Accuracy	0° and 90° :±0.1° , the rest:±0.2°
Resolution	0.1°
Working Range	4×90°
Power Supply	1×AAA alkaline battery
Working temperature	32°F to 122°F(0C to 50°C)
Working Humidity	≤85%



Universal machine base BF 16/BF20 Chip tray

335 3000
335 2999

- Dimensions L x W x H: 340 x 420 x 800 mm
- Weight: 35 kg



Steel base frame BF30 Vario / F40 E

335 3004

- Chip plates
- Solidity and weightiness provide for stability
- Dimensions L x W x H: 940 x 650 x 815 mm
- Weight: 85 kg

Steel base frame BF46 Vario/ BF46 TC

335 3005

- Chip plates
- Solidity and weightiness provide for stability
- Dimensions L x W x H: 765 x 765 x 860 mm
- Weight: 142 kg



Steel base MB 4 / MH28V

335 3006

- Chip plates
- Solidity and weightiness provide for stability
- Dimensions L x W x H: 625 x 415 x 750 mm
- Weight: 54 kg





DRILLING MACHINE

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DRILLING MACHINE

钻床 DRILLING 13/16/20/25/32



Drilling 13



Drilling 16



Drilling 20

机床技术参数 /Specification

型号	Model	Drilling 13	Drilling 16	Drilling 20
产品编号	Code No.	3101300	3101600	3102000
加工范围	CAPACITY			
钻孔直径	Drilling capacity(max.)	Ø13 mm	Ø16 mm	Ø20 mm
工作范围	WORKING RANGE			
套筒直径	Sleeve diameter	Ø40 mm	Ø42 mm	Ø47 mm
套筒行程	Sleeve travel	50 mm	60 mm	80 mm
主轴轴线至立柱表面距离	Distance spindle-column	104 mm	126 mm	169 mm
主轴	SPINDLE HOLDING FIXTURE			
主轴锥度	Spindle holding fixture	B16	MT2	MT2
速度	SPEEDS			
主轴转速	Spindle speeds	580-2650 rpm	220-2450 rpm 660-2500 rpm	210-2220 rpm
转速级数	Number of steps	5 steps	12 or 5 steps	12 steps
工作台	DRILLING TABLE			
工作台尺寸(长X宽)	Table size(LxW)	160x160 mm	200x195 mm	300x300 mm
T型槽尺寸	T-slot size	/	/	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	200 mm	350 mm	390 mm
底座尺寸(长X宽)	Working surface stand(LxW)	200x314 mm	355x235 mm	455x270 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	290 mm	524 mm	640 mm
电机	ELECTRIC SUPPLY			
电机功率	Motor	350 W	450 W	550 W
外形及重量	DIMENSIONS AND WEIGHT			
包装尺寸(长×宽×高)	packing size(L×W×H)	445x345x255 mm	700x440x230 mm	820x490x300 mm
净重/毛重	Net weight/Gross weight	15/17 kg	27/29 kg	47/51 kg



优质、高效、高性价比

- 本产品荣获“CE”“EMC”认证
- 一般钻夹头或自紧钻夹头
- 高精度主轴 (MT4/MT3/MT2)
- 强功率电机
- 全面质量控制

Convincing arguments: quality, efficiency and price

- Machine approved“CE”“EMC”
- Normal drill chuck or quick-action drill chuck
- High precision spindle Big power motor
- Overall control

标准附件:

- 自紧式钻夹头 1- Φ13/B16
- 钻接杆

可选附件:

1. 中型、重型锥孔钻夹头 1-13/B16 or 3-16/B16
2. 莫氏变径套 MT4/MT3, MT4/MT2, MT3/MT2
3. 扁尾型莫氏钻接杆 MT4/B16, MT3/B16, MT2/B16
4. 可逆转丝锥夹头 M5-M12
5. 平口钳 BMS85 BMS100 BMS125 BMS150
6. 防护罩, 急停开关

Standard Accessories:

- Keyless chuck 1- Φ13/B16
- Morse taper

Optional Accessories:

1. Middle heavy taper drill chuck 1-13/B16 or 3-16/B16
2. Morse reducing bushes MT4/MT3, MT4/MT2, MT3/MT2
3. Morse taper with flat top MT4/B16, MT3/B16, MT2/B16
4. Reversible tapering chuck M5-M12
5. Machine vice BMS85 BMS100 BMS125 BMS150
6. Drill chuck, emergency stop switch



Drilling 25

Drilling 32

机床技术参数 / Specification

型号	Model	Drilling 25	Drilling 32
产品编号	Code No.	3102500	3103200
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø25 mm	Ø32 mm
工作范围	WORKING RANGE		
套筒直径	Sleeve diameter	Ø52 mm	Ø72 mm
套筒行程	Sleeve travel	80 mm	120 mm
主轴轴线至立柱表面距离	Distance spindle-column	190 mm	226 mm
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle holding fixture	MT3	MT4
速度	SPEEDS		
主轴转速	Spindle speeds	210-2220 rpm	150-2020 rpm
转速级数	Number of steps	12 steps	9 steps
工作台	DRILLING TABLE		
工作台尺寸(长X宽)	Table size(LxW)	270x270 mm	364x364 mm
T型槽尺寸	T-slot size	15 mm	15 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	780 mm	590 mm
底座尺寸(长X宽)	Working surface stand(LxW)	500x300 mm	625x372 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	1220 mm	1177 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	550 W	1100 W
外形及重量	DIMENSIONS AND WEIGHT		
包装尺寸(长×宽×高)	packing size(L×W×H)	1150x490x318 mm	1460x640x340 mm
净重/毛重	Net weight/Gross weight	60/63 kg	135/140 kg

细节展示 Details



- Highly smooth running due to aluminium pulleys and grounded multi tooth dog
- Toothed GATES quality V-belt for better power transmission
- V-belt covering with safety switch
- 铝皮带轮保证高速平滑运行, 减少功率损失
- 高质量盖茨皮带带来更好的传动效果
- 皮带轮带安全开关防护



- Guaranteed true running accuracy better than 0.03 mm measured in the drilling spindle
- Drilling spindle with precision ball bearings
- High-quality quick-action drill chuck as standard
- 保证主轴跳动精度小于 0.03mm
- 主轴轴承使用高精度滚珠轴承
- 高质量快换钻夹头作为标准附件



- Long, ergonomically star grips with soft grips handles for safe working
- Drilling depth stop
- 人体操作的加长星形把手, 采用软质手柄材料, 更能带来安全操作
- 带钻削深度限位



- User-friendly safety switch for IP 54 with low-voltage release,
- Emergency-stop push button
- 用户友好操作的安全开关, 符合 IP54, 带低压释放保护
- 带急停开关按钮

DRILLING MACHINE

台钻 RADIAL DRILLING 16/20

优质、高效、高性价比

- 精加工铝皮带轮和精加工保证高速平滑运行
- 主轴带高精度滚珠轴承
- 高质量标准齿圈钻头
- Optimum高性价比
- 稳定可靠的性能和品质

Convincing arguments: quality, efficiency and price

- High smooth running due to aluminium pulleys and grounded multi tooth dog
- Drilling spindle with precision ball bearings
- High-quality gear rim drill chuck as standard
- Optimum price/performance ratio
- Stable value

高质量皮带轮

- 齿形
 - 理想的传动比
- Quality V-belts
- Toothed
 - Considerably higher transmission of force

安全开关

- 易操作
 - 防护等级IP54
 - 低压释放保护
- Safety switch
- Easy-to-operate
 - Protection class IP 54
 - Undervoltage release

主轴

- 保证主轴跳动精度小于0.03mm
 - 主轴轴承使用高精度滚珠轴承
- Drilling spindle
- Guaranteed true running accuracy better than 0.03 mm measured in the drilling spindle
 - Precision ball bearings

钻夹头

- 最大可能地保护用户
 - 高度可调
 - 带微动
- Drill chuck
- Best possible protection of the user
 - Height-adjustable
 - Micro switch

工作台

- RB6T: 带安装孔确保可延伸加长工作台
 - RB8S: 带横向运动T型槽
- Working table
- Precisely worked
 - RB 6T: Mounting holes for enlarged table support)
 - RB 8S: Transversally running T-slots

钢立柱

- 运行平滑, 稳定性高
- Steel column
- High smooth running and stability

底座

- 大尺寸、精加工
 - 带T型槽
 - 背面带高强筋
- Base plate
- Solid and largely dimensioned slots for T-slots
 - Heavily ribbed at the rear side

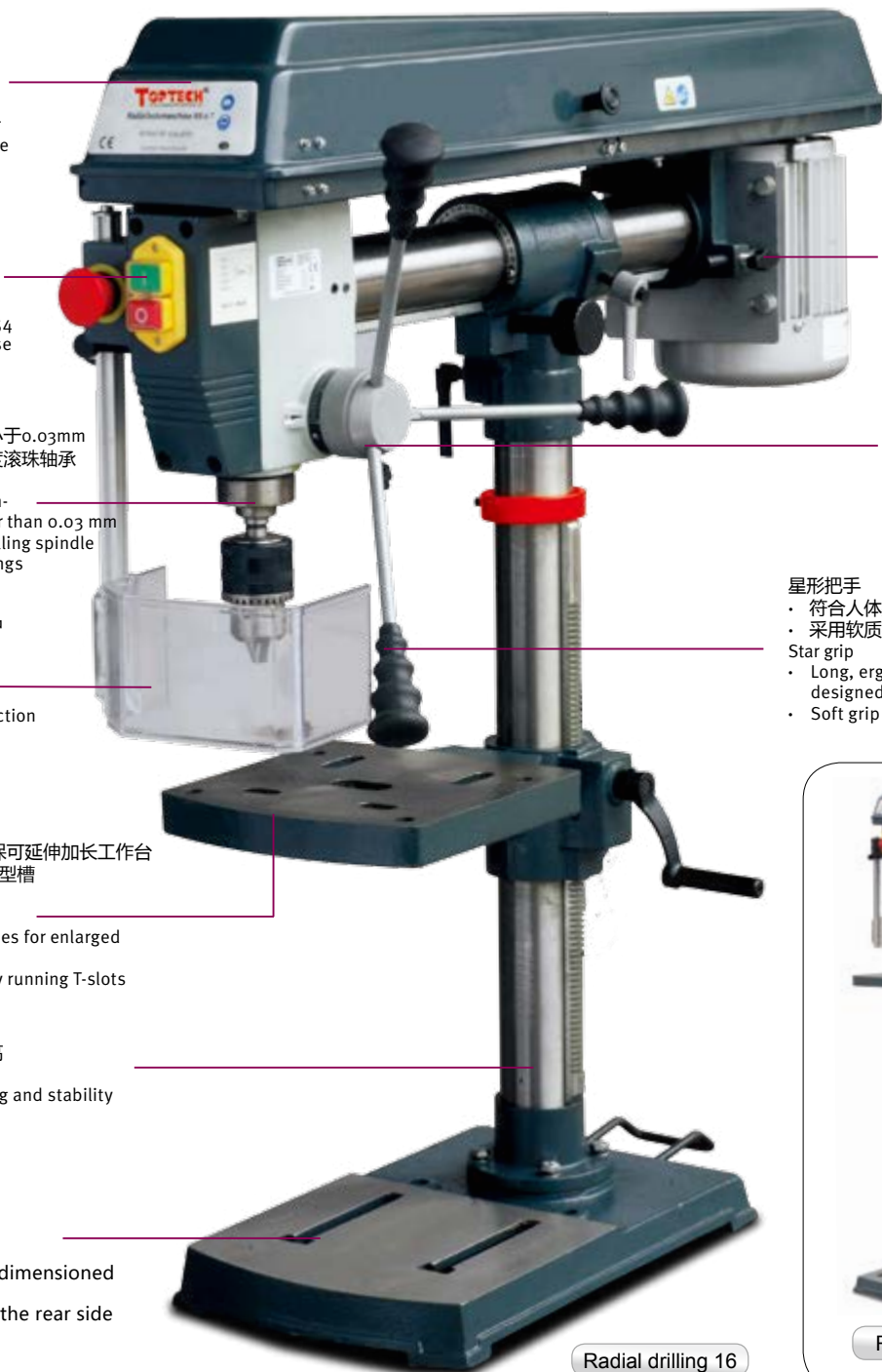
电机

- 平滑运行
 - 强有力
 - 铝壳
- Electric motor
- Smooth running
 - Powerful
 - Aluminium housing

带钻削深度限位

星形把手

- 符合人体操作的加长星形把手
 - 采用软质手柄材料, 操作更安全
- Star grip
- Long, ergonomically designed
 - Soft grip handles for safe working



Radial drilling 16

Radial drilling 20

机床技术参数 /Specification

型号	Model	Radial drilling 16	Radial drilling 20
产品编号	Code No.	3701600	3702000
加工范围	CAPACITY		
钻孔直径	Drilling capacity(max.)	Ø16 mm	Ø16 mm
工作范围	WORKING RANGE		
套筒直径	Sleeve diameter	Ø47 mm	Ø47 mm
套筒行程	Sleeve travel	100 mm	100 mm
主轴中心线至立柱表面距离	Distance spindle-column	400 mm	400 mm
主轴	SPINDLE HOLDING FIXTURE		
主轴锥度	Spindle holding fixture	MT2	MT2
机头可旋转角度	Head rotation	±45°	±45°
速度	SPEEDS		
主轴转速	Spindle speeds	470-3030 rpm	390-3000 rpm
转速级数	Number of steps	5 steps	5 steps
工作台	DRILLING TABLE		
工作台尺寸	Table size(L×W)	225×230 mm	262×262 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	470 mm	1075 mm
底座尺寸	Working surface stand(L×W)	430×260 mm	600×350 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	550 mm	1260 mm
电机	ELECTRIC SUPPLY		
电机功率	Motor	230 V/ 50 Hz 550 W	230 V/ 50 Hz 550 W
外形尺寸及重量	DIMENSIONS AND WEIGHT		
外形尺寸	size(L×W×H)	820×290×930 mm	820×350×1640 mm
包装尺寸	packing size(L×W×H)	932×407×323 mm	1155×500×295 mm
净重/毛重	Net weight/Gross weight	45/47.5 kg	63/66 kg

标准附件

- 齿轮钻夹头 (1-16mm) B16
- 莫氏锥度 MT2-B16

Standard accessories

- Gear rim drill chuck (1-16 mm) B 16
- Morse taper MT 2 - B 16

可选附件

1. 麻花钻套装 MT2
2. 夹紧工具 SPW12
3. 攻丝夹头 M5-M12
4. 平口钳 MSO100/MSO75

OPTIONAL EQUIPMENT

1. Twist drill kit HSS MT2
2. Clamping tool kit SPW 12
3. Tapping chuck M5-M12
4. Machine Vice MSO100/MSO75



细节展示 Details

- 机头可倾斜 ± 45°
- The drill head can be inclined by ± 45°



- 移动机头改变厚度
- Variable throat by shifting the drilling head



- 工作台可倾斜 ± 45°
- The working table can be inclined by ± 45°



DRILL PRESS PRO LINE

钻床 B 17/B 23/B 26/B 33 Pro



B17 Pro

B23 Pro

B26 Pro

B33 Pro



Belt drive

- High running smoothness thanks to ground multi-toothed follower
- Best power transmission due to aluminium belt pulleys in connection with toothed GATES quality V-belt

皮带驱动

- 经打磨的多齿耦合器，保证高速运转平滑运行
- 铝皮带轮配上高品质盖茨皮带带来最佳的动力传输



- Guaranteed true running accuracy ≤ 0.02 mm measured in the drilling spindle
- Drilling spindle with precision ball bearings
- High-quality quick-action drill chuck as
- Largely dimensioned, height adjustable protective screen with safety switch
- 主轴同心度小于0.02 mm
- 主轴带有精密球形滚珠轴承
- 带高质量快速夹紧钻头
- 大尺寸、高度可调节、带安全开关的防护罩

机床技术参数 /Specification

产品型号	Type	B 17Pro	B 23Pro
货号	Code No.	3111700	3112302/3112303
机器参数	Machine datas		
电气参数	Electrical connection	230 V / 1 Ph ~50 Hz	230 V/1 Ph or 400 V/3 Ph
电机功率	Motor power	500 W	750 W
钻销直径	Drilling capacity		
钢件钻销直径	Drilling capacity in steel (S235JR)	Ø 16 mm	Ø 25 mm
钢件持续钻销直径	Continuous drilling capacity in steel	Ø 12 mm	Ø 20 mm
主轴锥度	Spindle seat		
主轴行程	Spindle stroke	65 mm	80 mm
主轴锥度	Spindle seat	MT 2	MT 2
主轴轴线至立柱管表面距离	Throat	152 mm	180 mm
转速	Speeds		
主轴转速	Spindle speeds	500-2520 rpm	200-2440 rpm
档位数	Number of steps	5 steps	12 steps
工作台	Drilling table		
工作台尺寸	Work surface table length x width	235 x 220 mm	280 x 245 mm
T型槽尺寸	T-slot size	12 mm	12 mm
工作台回转角度	Drilling table slewable/turnable	± 45° / 360°	± 45° / 360°
主轴端面至工作台表面最大距离	Distance spindle - table (max.)	325 mm	425 mm
底座尺寸	Work surface stand length x width	220 x 230 mm	240 x 250 mm
主轴端面至底座表面距离	Distance spindle - stand (max.)	530 mm	618 mm
尺寸	Dimensions		
立柱直径	Column diameter	Ø 60 mm	Ø 73 mm
长宽高	Length x width x height	600 x 260 x 860 mm	654 x 330 x 1012 mm
重量	Total weight	39 kg	66 kg

产品型号	Type	B 26Pro	B 33Pro
货号	Code No.	3112600	3113300
机器参数	Machine datas		
电气参数	Electrical connection	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
电机功率	Motor power	750 W	1.1 kW
钻销直径	Drilling capacity		
钢件钻销直径	Drilling capacity in steel (S235JR)	Ø 25 mm	Ø 30 mm
钢件持续钻销直径	Continuous drilling capacity in steel	Ø 20 mm	Ø 25 mm
主轴锥度	Spindle seat		
主轴行程	Spindle stroke	85 mm	120 mm
主轴锥度	Spindle seat	MT 3	MT 4
主轴轴线至立柱管表面距离	Throat	210 mm	254 mm
转速	Speeds		
主轴转速	Spindle speeds	200-2440 rpm	120-1810 rpm
档位数	Number of steps	12 steps	9 steps
工作台	Drilling table		
工作台尺寸	Work surface table length x width	330 x 290 mm	475 x 425 mm
T型槽尺寸	T-slot size	14 mm	14 mm
工作台回转角度	Drilling table slewable/turnable	± 45° / 360°	± 45° / 360°
主轴端面至工作台表面最大距离	Distance spindle - table (max.)	720 mm	695 mm
底座尺寸	Work surface stand length x width	385 x 260 mm	410 x 325 mm
主轴端面至底座表面距离	Distance spindle - stand (max.)	1230 mm	1180 mm
尺寸	Dimensions		
立柱直径	Column diameter	Ø 80 mm	Ø 92 mm
长宽高	Length x width x height	700 x 350 x 1670 mm	860 x 480 x 1720 mm
重量	Total weight	82 kg	135 kg

DRILL PRESS € LINE

钻床 € 17/€ 23/€ 26/€ 33

优质、高效与性价比：

- 保证主轴同心度，主轴套筒内测得的数据为小于0.02mm
- 主轴带高精度滚珠轴承
- 标准提供的ROHM快换钻夹头
- 钻夹头防护罩尺寸大、高度可调节并带安全开关，有利防护铁屑飞溅和零件滑脱带来的危险
- 精加工铝皮带轮和精加工保证高速平滑运行（E 23）
- V型带可获得理想的传动比，减少功率损失
- V型皮带装有安全开关
- 精加工带对角T型槽的工作台

Convincing arguments: quality, efficiency and price

- Guaranteed true running accuracy of less than 0.02 drilling spindle sleeve
- Drilling spindle with precision ball bearings
- ROHM quick-action drill chuck supplied as standard mm measured in the
- Largely dimensioned, height-adjustable screening grid with safety switch
- High smoothness due to aluminium V-belt pulleys and grinded multitooth dog (from E 23)
- Considerably higher power transmission due to toothed quality V-belts
- V-belt covering with safety switch
- Precisely machined work table with diagonally running T-slots

- 通过齿条调节工作台高度
- 带钻削深度限位
- 工作台可以倾斜45度，自由回转360度
- 大尺寸、精加工底座，带T型槽和背面有加强筋（E 33 T型槽）
- 一体式铸铝星形升降手柄带软式把手
- 安全开关（符合IP54）易操作，带低压释放和急停按钮
- 400V电压外加正反转开关
- 运行平滑稳定，电机功率强
- 床身厚重结实

- Height adjustment of the drilling table via toothed rack
- Drill depth stop
- Worktable can be inclined by $\pm 45^\circ$ and slewed by 360°
- Solid, largely dimensioned base plate with slots, heavily ribbed at the rear side (for E 33 T-slots)
- One-piece star grip made of diecast aluminium with soft grip handle
- Easy-to-operate safety switch (IP 54 compliant) with low-voltage release and emergency-stop pushbutton
- 400 volt types additionally with right-/left-handed rotation
- Smooth running and powerful electric motors
- Heavy construction of the whole machine



机床技术参数 / Specification

型号	Model	E 17	E 23	E 26	E 33
货号	Item No	3101700	3102302 (230V)	3102600	3103300
货号	Item No		3102303 (400V)		
电器总容量	Electrical connection				
电机功率	Motor	500W 230V~50Hz	750W 230V/400V~50Hz (400V)	750W 400V~50Hz	1.1KW 400V~50Hz
钻孔直径	Drilling capacity				
钻孔直径	Drilling capacity in steel (St. 37)	Ø16 mm	Ø25 mm	Ø25 mm	Ø30 mm
连续钻孔直径	Continuous drilling cap. steel	Ø12 mm	Ø20 mm	Ø20 mm	Ø25 mm
主轴	Spindle seat				
主轴锥度	Spindle seat	MT2	MT2	MT3	MT4
主轴套筒直径	Spindle sleeve stroke	Ø65 mm	Ø80 mm	Ø85 mm	Ø120 mm
主轴套筒行程	Throat	65 mm	80 mm	85 mm	120 mm
转速	Speeds				
主轴转速	Spindle speeds	500-2520 rpm	200-2440 rpm	200-2440 rpm	120-1810 rpm
转速级数	Number of steps	5 steps	12 steps	12 steps	9 steps
工作台	Drilling table				
工作台尺寸	Table size Length x width	235x220 mm	280x250 mm	330x290 mm	475x425 mm
T型槽	T-slot size	12 mm	12 mm	14 mm	14 mm
工作台倾斜角度	Drilling table inclinable	±45°	±45°	±45°	±45°
工作台旋转角度	Drilling table slewable	360°	360°	360°	360°
主轴端面至工作面最大距离	Distance spindle - table (max.)	325 mm	360 mm	720 mm	695 mm
主轴端面至底座表面最大距离	Distance spindle - stand (max.)	530 mm	610 mm	1230 mm	1180 mm
体积	Dimensions				
立柱尺寸	Column diameter	60 mm	73 mm	80 mm	92 mm
外形尺寸	Length x width x height	600x260x860 mm	650x320x1010 mm	700x350x1670 mm	860x480x1720 mm
包装尺寸	packing size(L×W×H)	680x460x290 mm	815x530x325 mm	1430x545x290 mm	1435x645x325 mm
净重/毛重	Net weight/Gross weight	36.5/40 kg	63.5/66 kg	81/85 kg	132/140 kg

细节展示 Details



- Guaranteed true running accuracy of less than 0.02 mm measured in the drilling spindle
- Drilling spindle with precision ball bearings
- High-quality quick-action drill chuck supplied as standard
- Largely dimensioned, height-adjustable screening grid with safety switch (optional)
- 保证主轴跳动精度小于 0.02mm
- 主轴轴承使用高精度滚珠轴承
- 高质量快换钻夹头作为标准附件
- 钻夹头防护罩尺寸大、高度可调节并带安全开关，有利防护铁屑飞溅和零件滑脱带来的危险（可选）



- Aluminium V-belt pulleys
- Smooth running
- Ground multitooth dog (E 23)
- Considerably better power transmission due to the quality toothed V-belt
- V-belt covering with safety switch (optional)
- 铝皮带轮
- 保证高速平滑运行，减少功率损失
- 高质量盖茨皮带带来更好的传动效果
- 皮带轮带安全开关防护（可选）

DRILL PRESS I LINE

钻床 I 13 / I 15 / I 17 / I 20

优质、高效与性价比：

- 厚重结实铸铁制造
- 适用于重型家庭作坊和维修车间及轻工业
- 转速可根据不同加工工件材质（钢，铸铁，铝，木质和塑料）可调
- DRO 数显表用于显示主轴钻深和转速
- 2 只按钮开关（带急停开关）
- 更长的主轴行程，I 13--3-1/4" . I 15-17" --5" . I 20 --6"

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Heavy type for home shops, maintenance shops and light industrial applications
- Spindle speeds are adjustable for drilling steel, cast iron, aluminum wood and plastic
- DRO for spindle depth and speed
- 2 button switch with Emergency Off Paddle
- Longer spindle travel, I 13--3-1/4". I 15-17"--5". I 20--6"



- DRO数显表用于显示主轴钻深和转速
- DRO for spindle depth and speed

- 2 只按钮开关（带急停开关）
- 2 button switch with Emergency Off Paddle



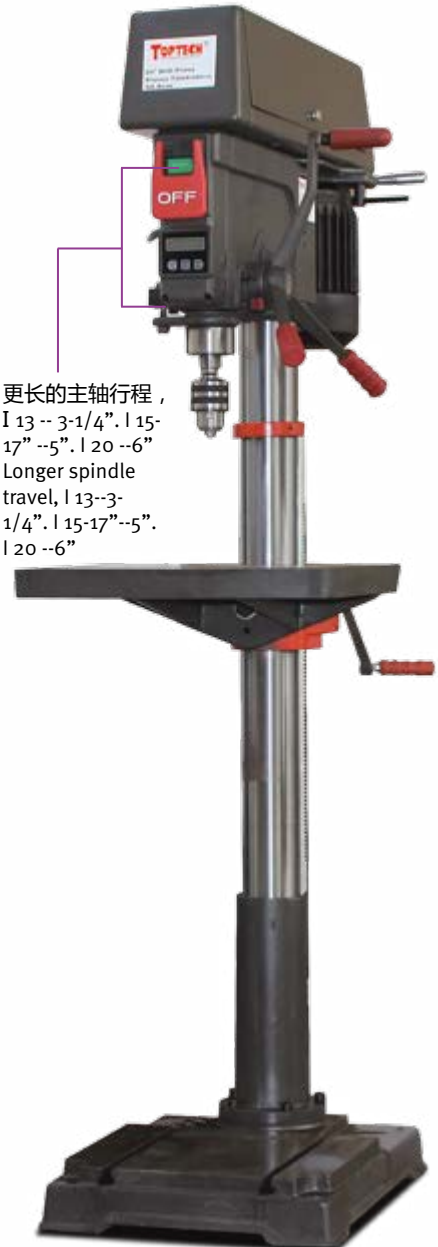
I 13

I 15



I 15 F

I 17 F



I 20 F

- 更长的主轴行程，I 13--3-1/4" . I 15-17" --5" . I 20 --6"
- Longer spindle travel, I 13--3-1/4". I 15-17"--5". I 20 --6"

机床技术参数 /Specification

型号	Type	I 13	I 15
货号	Item No.	3101390	3101590
电机参数	Motor	120 V 60 Hz 1/3 HP	120/240 V 60 Hz 1/2 HP
电机转速	Motor speed	1725 rpm	1725 rpm
主轴转速	Spindle speed	244-3386 rpm 16 steps	138-3476 rpm 16 steps
转速范围	Range of RPM	244-3386 rpm	138-3476 rpm
钻夹头型号	Chuck Size	1-13mm (1/2")	1-16mm (5/8")
主轴锥度	Spindle Taper	JT33	MT2
主轴行程	Spindle Travel	3 1/4"	5"
钻孔直径 (铸铁)	Drilling Capacity - Cast Iron	1/2"	5/8"
工作台尺寸	Table Size	8-5/8 x 9-7/16"	11-1/2 x 13"
工作台工作面	Table Work surface (D x W)	8-5/8 x 9-7/16"	11-1/2 x 13"
工作台倾斜	Table Tilt	±45°	±45°
工作台回转	Table Swivel	No	360°
T型槽	T-Slot	14 mm	14 mm
主轴端到工作台表面距离	Distance Spindle to Table	1-1/2 to 16-3/4"	1-5/8" to / 13"
主轴轴线到立柱表面距离	Spindle to column distance	6-5/8"	7-1/2"
立柱直径	Column Diameter	2.34"	2.87"
底座尺寸	Base size (W x D)	9-3/4 x 16-1/2"	10-5/8 x 18-1/8"
底座工作面	Base Work Surface	8-3/8 x 9-3/8"	9-3/8 x 9-3/8"
主轴端到底座表面距离	Max Distance Spindle to Base	22-5/16"	23-1/8"
总高度	Overall Height	38-7/8"	43"
净重	Net Weight	113 lbs.	174 lbs.
毛重	Shipping Weight	123 lbs.	185 lbs.

型号	Type	I 15 F	I 17 F	I 20 F
货号	Item No.	3801590	3801790	3802090
电机参数	Motor	120/240V 60Hz 1/2HP	120/240V 60Hz 1HP	120/240V 60Hz 1-1/2HP
电机转速	Motor speed	1725 rpm	1725 rpm	1725 rpm
主轴转速	Spindle speed	138-3476 rpm 16steps	138-3476 rpm 16steps	120-3605 rpm 16steps
转速范围	Range of RPM	138-3476 rpm	138-3476 rpm	120-3605 rpm
钻夹头型号	Chuck Size	1-16 mm (5/8")	1-16 mm (5/8")	5-20 mm (3/4")
主轴锥度	Spindle Taper	MT2	MT2	MT3
主轴行程	Spindle Travel	5"	5"	6"
钻孔直径 (铸铁)	Drilling Capacity - Cast Iron	5/8"	5/8"	1"
工作台尺寸	Table Size	11-1/2 x 13"	11-1/2 x 13"	16-5/8 x 18-5/8"
工作台工作面	Table Work surface (D x W)	11-1/2 x 13"	11-1/2 x 13"	16-5/8 x 18-5/8"
工作台倾斜	Table Tilt	±45°	±45°	±45°
工作台回转	Table Swivel	360°	360°	No
T型槽	T-Slot	14 mm	14 mm	14 mm
主轴端到工作台表面距离	Distance Spindle to Table	3-1/4 to 26-1/4"	1-1/2 to 25"	4-3/4 to 26-3/8"
主轴轴线到立柱表面距离	Spindle to column distance	7-1/2"	8 1/2"	10"
立柱直径	Column Diameter	2.87"	3.15"	3.62"
底座尺寸	Base size (W x D)	12-3/4 x 19-3/4"	12-3/4 x 19-3/4"	17-5/8 x 22-1/2"
底座工作面	Base Work Surface	10-1/4 x 11"	10-1/4 x 11"	13 x 16"
主轴端到底座表面距离	Max Distance Spindle to Base	46-3/16"	45"	45-3/8"
总高度	Overall Height	66-1/2"	65-1/4"	69-3/4"
净重	Net Weight	193 lbs.	206 lbs.	336 lbs.
毛重	Shipping Weight	204 lbs.	216 lbs.	352 lbs.

WOODWORKING DRILL

木工钻 | I 12 / I 16.5



优质、高效与性价比：

- 强功率电机
- 机械式无级调速
- 钻孔带十字镭射灯定位
- 带主轴转速显示及套筒行程显示（带公英制转换）
- 可调整的钻削深度限位
- 工作台沿齿条可上下移动
- 工作台可带可调位靠栅

Convincing arguments: quality, efficiency and price

- Strong power motor
- Mechanical variable speed
- Drilling hole with cross laser-light for positioning
- Have the display showing spindle speed and sleeve travel, reversible between metric and inch)
- Adjustable drilling depth stop
- Height adjustment of the drilling table via toothed rack
- Table with adjustable support



I 12



I 16.5

机床技术参数 /Specification

型号	Model	I 12	I 16.5
货号	Item No	3101290	3101690
电压参数	Electrical connection (60Hz)	120 V	120 V
电机功率	Motor power	2/3 HP	3/4 HP
主轴	Spindle seat		
主轴锥度	Spindle taper	JT33	MT2
主轴行程	Spindle stroke	60 mm	60 mm
套筒直径	Quill Diameter	1-9/16"	2.05"
钻夹头尺寸	Chuck Size	1-13 mm (1/2")	1-16 mm (5/8")
钻孔能力铸件	Drilling capacity	5/8"	5/8"
转速	Speeds		
主轴转速	Spindle speeds	530-3100 rpm	500-3500 rpm
工作台	Drilling table		
工作台尺寸	Drilling table size length x width	9-1/2" x 9-1/2"	14" x 14"
工作台T型槽宽度	T-slot width	14 mm	14 mm
工作台回转角度	Drilling table turnable	45°	45°
主轴端到工作台距离	Drill chuck -drilling table	16-1/4"	29-1/8"
底座	Machine foot		
底座尺寸	Stand work surface L x W	10-1/2" x 16"	11.22" x 19.6"
底座加工面尺寸	Base Work Surface	9 x 8-5/8"	15-1/8 x 10-1/4"
主轴端到底座距离	Distance drill chuck - machine foot	23"	48-1/2"
尺寸	Dimensions		
立柱直径	Column diameter	2.56"	3.15"
包装尺寸	Packing size	900×470×330 mm	1380×650×270 mm
净重/毛重	N.W./G.W.	42/47 kg	82/90 kg

DRILL PRESS H LINE

钻床 B16H/B24H/B28H/B34H



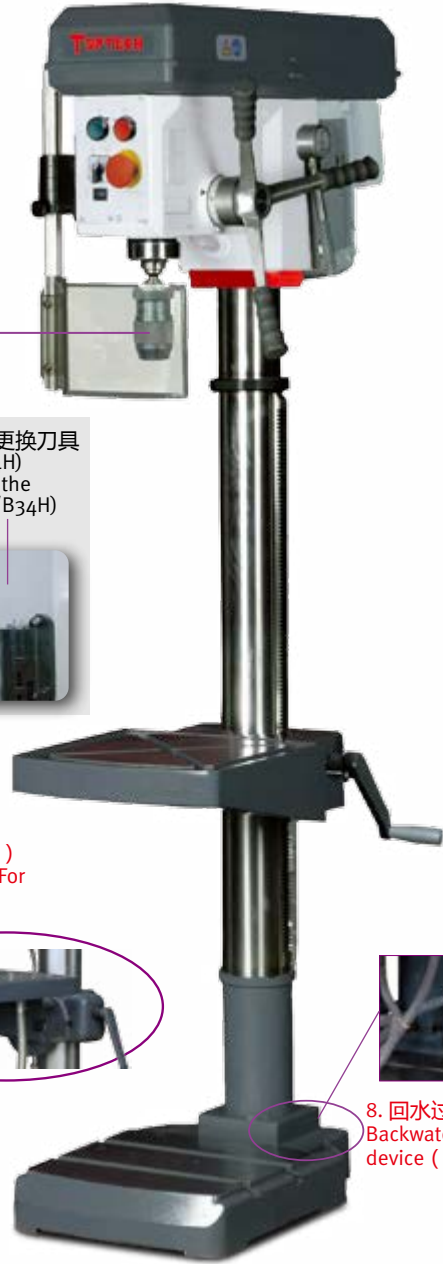
B34H

1. 自紧式钻夹头可选
Keyless chuck Optional

· 快换退刀可方便更换刀具
(仅限 B28H/B34H)
· Easy for take out the
tools(only B28H/B34H)



· 回转型工作台 (可选)
· Swivel working table(For
optional)



B28H

8. 回水过滤装置 (可选)
Backwater filtration
device (for optional)



可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12(B24H/B28H/B34H)
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT2/9PCS
14.5-30mm MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ100 (B16H/B24H) TQ140(B28H/B34H)
7. 冷却装置
8. 回水过滤装置 (B28H/B34H)

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12(B24H/B28H/B34H)
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT2/9PCS
14.5-30mm MT3/9PCS 14.5-30mm
6. Drilling vice TQ100 (B16H/B24H)
TQ140(B28H/B34H)
7. Coolant system
8. Backwater filtration device (B28H/B34H)





B24H



B16H

标准附件

- 钻接杆 MT2/B16(B24H)
MT3/B16(B28H) MT4/B16(B34H)
- 钻夹头 3-16mm/B16

Standard accessories

- Drill chuck taper MT2/B16(B24H)
MT3/B16(B28H) MT3/B16(B34H)
- Drill chuck 3-16mm/B16

机床技术参数 /Specification

型号	Model	B16H	B24H	B28H	B34H
产品编号	Code No.	3201600	3202400	3202800	3203400
电压	Electrical connection	400 V /3 Ph ~50 Hz	230V/1Ph - 400V/3Ph	400 V/3 Ph ~50 Hz	400 V/3 Ph ~50 Hz
加工范围	CAPACITY				
钻孔直径	Drilling capacity (max.)	Ø16 mm	Ø24 mm	Ø28 mm	Ø34 mm
工作范围	WORKING RANGE				
套筒直径	Sleeve diameter	Ø47 mm	Ø47 mm	Ø52 mm	Ø68 mm
套筒行程	Sleeve travel	65 mm	85 mm	107 mm	160 mm
主轴	SPINDLE HOLDING FIXTURE				
主轴锥度	Spindle holding fixture	MT2	MT2	MT3	MT4
主轴中心线至立柱表面距离	Distance spindle-column	132.5 mm	164 mm	200 mm	285.5 mm
速度	SPEEDS				
主轴转速	Spindle speeds	450-3500 rpm	350-4000 rpm	260-4075 rpm	145-480 orpm
转速级数	Number of steps	5 steps	7 steps	16 steps	9x2 steps
工作台	DRILLING TABLE				
工作台尺寸(长×宽)	Table size(L×W)	230×245 mm	280×300 mm	340×360 mm	426×400 mm
T型槽尺寸	T-slot size	12 mm	14 mm	14 mm	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	370 mm	445 mm	927 mm	790 mm
底座尺寸(长×宽)	Working surface stand(L×W)	260×362 mm	280×264 mm	364×320 mm	388×370 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	485 mm	595 mm	1282 mm	1025 mm
电机	ELECTRIC SUPPLY				
电机功率	Motor	550 W	850 W	850 W	2.2/1.5 KW
外形尺寸及重量	DIMENSIONS AND WEIGHT				
外形尺寸	size(L×W×H)	541×370×848 mm	665×435×1000 mm	715×450×1720 mm	918×585×1895 mm
包装尺寸	packing size(L×W×H)	600×360×1000 mm	760×440×1170 mm	770×500×1940 mm	965×600×2140 mm
净重/毛重	Net weight/Gross weight	55/70 kg	92/116 kg	142/178 kg	260/313 kg

DRILL PRESS H LINE

钻床 B24HF/B28HF



优质、高效与性价比：

- 主轴使用高精度滚珠轴承，跳动小于 0.02mm
- 铝制皮带轮，V 带传动
- 快速涨紧装置，皮带换挡更加方便
- 高强度铸铁立柱
- 钻孔深度限位，主轴带自动进给功能
- 双层防护罩，防护距离面积更大
- 24V 低压控制，双通道安全保护开关
- 主轴带自动走刀

Convincing arguments: quality, efficiency and price

- Spindle with high-precision ball bearing, runout less than 0.02mm
- Best possible force transmission thanks to aluminum pulleys and V-belt cover
- V-belt quick tensioning device, easy to shift
- Robust cast iron column
- Drilling depth stop and spindle with automatic feed
- Double-layer chuck cover, bigger protection area
- With 24V low-voltage control, and also double-channel safety switch
- With spindle power down feed



B24HF



B28HF

机床技术参数 /Specification

型号	Model	B24HF	B28HF
货号	Item No	3102400	3102800
电压参数	Electrical connection (60Hz)	230V 50HZ 1PH	400V 50HZ 3PH
电机功率	Motor power	0.85 KW	0.85 KW
	Drilling capacity		
钢制品切削量	Drilling capacity in steel (S235JR)	Ø 24 mm	Ø 28 mm
钢制品连续切削量	Continuous drilling capacity in steel (S235JR)	Ø 20 mm	Ø 24 mm
主轴	Spindle seat		
主轴锥度	Spindle taper	MT2	MT3
主轴行程	Spindle stroke	85 mm	107 mm
套筒直径	Quill Diameter	Ø 47 mm	Ø 52 mm
主轴中心到立柱表面距离	Throat	166 mm	200 mm
转速	Speeds		
主轴转速	Spindle speeds	350-3000 rpm	120-3000 rpm
档位	Gear stages/Steps	6	12
工作台	Drilling table		
工作台尺寸	Drilling table size length x width	280x 300 mm	340x 358 mm
工作台T型槽宽度	T-slot width	14 mm	14 mm
主轴端到工作台距离	Drill chuck -drilling table	max. 442 mm	max. 928 mm
底座	Machine foot		
底座尺寸	Stand work surface L x W	280 x 264 mm	320 x 320 mm
主轴端到底座距离	Distance drill chuck - machine foot	max. 595 mm	max. 1279 mm
尺寸	Dimensions		
立柱直径	Column diameter	Ø 80 mm	Ø 92 mm
包装尺寸	Packing size	760×440×1170 mm	770×500×1940 mm
净重/毛重	N.W./G.W.		142/178 kg

VARIABLE SPEED DRILLING MACHINE

无级变速钻床 B16HV/B24HV/B28HV/B34HV

B 34 H Variable

Operating mode "Auto"

In the automatic mode, the engine will start automatically upon lifting the lever and stops in the initial position. This way, it is not necessary to press the push button Start and Stop for repeated drilling tasks



Operating mode "Threading"

The motor is being activated by moving the star grip downward. The turning direction is changed by pressing the end switch on the adjustable drilling depth stop

B34H Variable

操作模式 "自动"

在这种自动模式下，只有一提升手柄，机器就会自动启动，并且停在初始位置。这种方式下，没有必要按按钮启动和停止进行重复钻削工作。

操作模式 "攻丝"

将星形把手向下移动的时候激活电机。按动可调钻深限位上的终端开关可以改变转动方向。

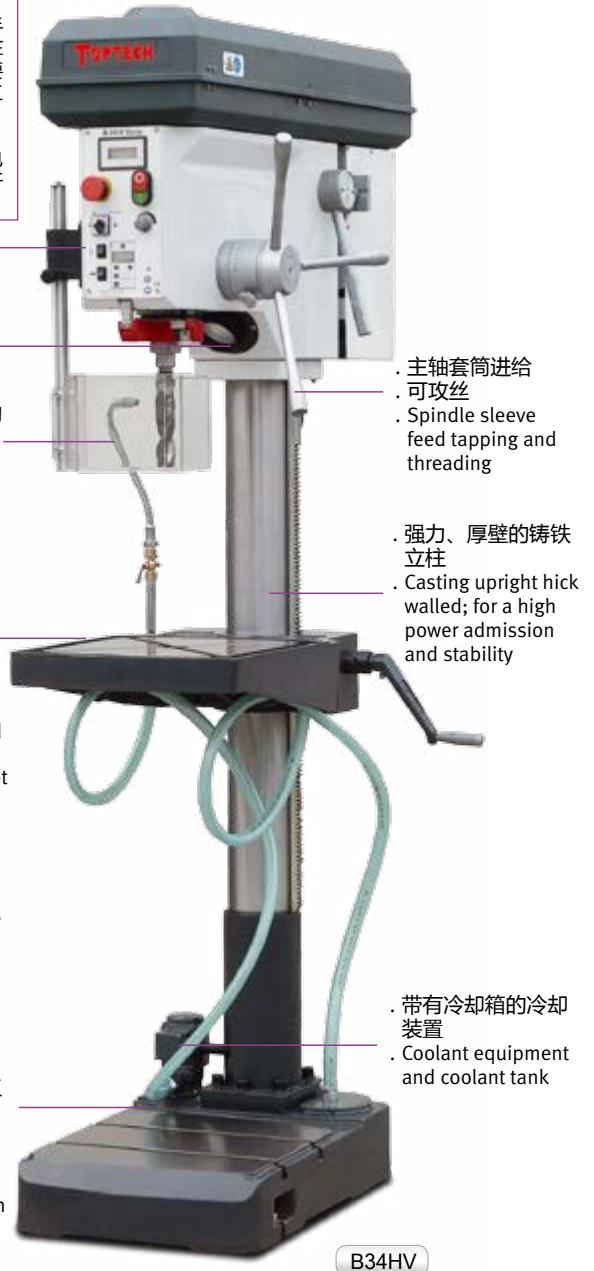


1. 自紧式钻夹头可选
Keyless chuck Optional

8. 回水过滤装置
(可选)
Backwater
filtration device
(for optional)



B28HV



· 内置工作灯
· Halogen lamp

主轴保护
· 带微型开关、高度可调的
钻夹头防护罩
· Spindle protection with
micro switch and highly
adjustable chuck cover

钻削工作台
· 大尺寸、精加工
· 带横向运动 T 型槽
· 背面加强筋
· 通过齿条调节高度
· 360° 旋转
Drilling table
· Largely dimensioned, solid
and precisely machined
· Transversally running T-slot
· Heavily ribbed at the
backside
· Height-adjustable via
toothed rack
· Rotation of 360° through
its own axis and about the
upright

底座
· 带 T 型槽
· 精加工
· 工作台转向一边即可加工
超高尺寸工件
Base plate
· Solid with T-slots
· Precisely machined
· May be used for extra high
work pieces with the work
table slewed to one side

· 主轴套筒进给
· 可攻丝
· Spindle sleeve
feed tapping and
threading

· 强力、厚壁的铸铁
立柱
· Casting upright hick
walled; for a high
power admission
and stability

· 带有冷却箱的冷却
装置
· Coolant equipment
and coolant tank

B34HV

标准附件

- 一体式钻夹头 3-16mm/B16
- 自紧钻夹头 1-16mm/B16
- 大尺寸防护罩
- 冷却装置

Standard accessories

- Direct quick-action drill chuck 3-16mm/B16
- Keyless chuck 1-16mm/B16
- Largely dimensioned chuck cover
- Coolant system

可选附件

1. 变径套 MT3/MT2 (B28HV/B34HV) MT4/MT3 (B34HV)
2. 钻接杆 MT2/B16 MT3/B16 MT4/B16
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
6. 回水过滤装置 (B28HV/B34HV)

OPTIONAL EQUIPMENT

1. Reduction bush MT3/MT2 (B28HV/B34HV) MT4/MT3 (B34HV)
2. Drilling chuck taper MT2/B16 MT3/B16 MT4/B16
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
6. Backwater filtration device (B28HV/B34HV)



· 主轴升降整体操作手柄
· One-piece spindle sleeve feed handle of working

· 照明工作灯
· Drilling light

· 大尺寸可调互锁钻夹头防护罩
· Largely dimensioned, height adjustable screening lid with interlock switch chuck cover

· 手摇齿条升降工作台
· 对角 T 型槽
· Table height adjustment via toothed rack for optional
· Precisely machined with diagonally running T-slots

· 重型 T 形槽底座
· 将工作台向一边回转可在底座
· 上放置大型工件
· Solid mounting base with T-slots, heavily ribbed at the backside
· May be used for extra high workpieces with the worktable slewed to one side



· 铝皮带轮保证高速平滑运行
· 减少功率损失
· V 型带可达到 10000 小时的工作寿命
· High running smoothness due to aluminum belt pulleys with grinded multitooth driving dogs
· Considerably less power loss than with standard belts
· Guaranteed service life of the V-belts
· 10000 working hours

· 快速张紧 V 型带装置 (专利独创)
· Quick clamping device to tight the V-belt(patented create)

1. 自紧式钻夹头可选
Keyless chuck Optional

· 工作台双锁紧
· Double clamping of the table

· 高强度铸铁立柱
· Iron casting column

B24HV

机床技术参数 /Specification

型号	Model	B16HV	B24HV	B28HV	B34HV
产品编号	Code No.	3401600	3402400	3402800	3403400
电压	Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
加工范围	CAPACITY				
钻孔直径	Drilling capacity (max.)	Ø16 mm	Ø24 mm	Ø28 mm	Ø34 mm
工作范围	WORKING RANGE				
套筒直径	Sleeve diameter	Ø47 mm	Ø47 mm	Ø52 mm	Ø68 mm
套筒行程	Sleeve travel	65 mm	85 mm	107 mm	160 mm
主轴	SPINDLE HOLDING FIXTURE				
主轴锥度	Spindle holding fixture	MT2	MT2	MT3	MT4
主轴中心线至立柱表面距离	Distance spindle-column	132.5 mm	164 mm	200 mm	285.5 mm
速度	SPEEDS				
主轴转速	Spindle speeds	90-6000 rpm	100-5950 rpm	35-5600 rpm	40-5000 rpm
转速级数	Number of steps	5 steps	4 steps	12 steps	9 steps
工作台	DRILLING TABLE				
工作台尺寸 (长×宽)	Table size(L×W)	230×245 mm	300×280 mm	358×340 mm	426×400 mm
T型槽尺寸	T-slot size	12 mm	14 mm	14 mm	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	370 mm	445 mm	927 mm	790 mm
底座尺寸(长×宽)	Working surface stand(L×W)	260×362 mm	280×264 mm	364×320 mm	388×390 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	485 mm	595 mm	1282 mm	1025 mm
电机	ELECTRIC SUPPLY				
电机功率	Motor	1.5KW /230V/50Hz	1.5KW/230V/50Hz	1.5KW/230V/50Hz	2.2KW /230V/50Hz
外形尺寸及重量	DIMENSIONS AND WEIGHT				
外形尺寸 (长×宽×高)	size(L×W×H)	550×370×850 mm	665×435×1000 mm	705×475×1755 mm	918×595×1930 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	600×360×1000 mm	755×440×1175 mm	765×500×1940 mm	970×600×2140 mm
净重/毛重	Net weight/Gross weight	67/82 kg	96/122 kg	166/202 kg	275/328 kg

VARIABLE SPEED DRILLING MACHINE



无级变速钻床 DH 18V

优质、高效、高性价比

- 机械方面，更换了原有的齿轴升降部件，采用了新型的刻度圈限位结构—运用单向滚针轴承来进行限位，省去了原有的繁琐结构
- 重新设计了升降手柄，外形新颖，简单实用
- 电器方面，采用了高度集成的薄膜开关板，使得操作更加方便，替换了原有的控制原件，减少了故障率，更加可靠
- 功能增加了深度显示、钻孔深度调控以及攻丝功能
- 升级了电器控制箱，通过了EMC认证，更加安全可靠

Convincing arguments: quality, efficiency and price

- Cancel the original part of gear shaft up & down, but use now new structure of graduated ring for limit (to limit with one-way needle bearing instead of original complicated structure)
- New-designed the up & down handle is more nice and more easy for operation
- Highly-integrated touch panel is more convenient for operation and instead of original control components so reduce the failure rate which is more reliable
- Have additional function (such as depth display, drilling-depth adjust and tapping)
- Use the updated electric-cabinet and pass the EMC test already which is more safety and reliable

皮带驱动

- 铝皮带轮和盖茨皮带保证功率强劲
- 抛光齿轮带来平顺运转

Belt drive

- Best possible force transmission thanks to aluminium pulleys in combination with GATES quality toothed belts
- Smooth action thanks to polished multi-tooth carrier

带OLED显示屏，清晰可见读数

- 主轴转速
- 深度显示(目标深度和实际深度)

Easily readable display field with OLED display

- Spindle speed
- Depth display (target/actual)

钻削工作台

- 精加工
- 带横向运动T型槽
- 360° 旋转
- 环形冷却剂管道

Drilling table

- Precise workmanship
- Diagonal T-slot
- 360° rotating
- Circumferential coolant channel

底座

- 坚固耐用
- 大尺寸
- 工作台转向一边即可加工超高尺寸工件

Base plate

- Solid
- Generously dimensioned
- May be used for extra high work pieces with the work table slewed to one side

强劲的无刷驱动

- 运转特别平顺
- 功率非常强劲
- 整个转速范围扭矩稳定

Powerful brushless drive

- Particularly smooth action
- Extremely powerful
- Virtually constant torque over the entire speed range

同心度

- 保证主轴套筒处同心度在0.015 mm内

Concentricity

- Guaranteed less than 0.015 mm measured at the drilling spindle sleeve



DH 18V

机床技术参数 /Specification

型号	Model	DH 18V
货号	Item no.	3401800
电压	Motor	230 V 50 Hz
电机功率	Motor power	1.5 KW
钢制品(S235JR)切削量	Drilling capacity in steel (S235JR)	Ø18 mm
钢制品(S235JR)连续切削量	Continuous drilling capacity in steel (S235JR)	Ø13 mm
钢制品(S235JR)攻丝量	Threading in steel (S235JR)	M12
主轴行程	Spindle stroke	65 mm
主轴类型	Spindle seat	MT2
主轴中心到立柱表面距离	Throat	132 mm
主轴转速	Spindle speeds	100-6000 rpm
档位	Number of steps	5
工作台尺寸	Work surface table length x width	230x245 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	12 mm/90°/2
主轴到工作台(最小/最大)距离	Distance spindle - table (min/max.)	0-370 mm
主轴到底座(最大)距离	Distance spindle - stand (max.)	485 mm
底座尺寸	Work surface stand length x width	200x240 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	12 mm/80 mm/2
立柱直径	Column diameter	Ø60 mm
机床尺寸	Length x Width x Height	550x370x850 mm
机床总重	Total weight	64 kg

DRILLING

标准附件

- 自紧式钻夹头0.3-13mm/MT2
- 退刀楔GJ-19
- T型螺母M10

Standard accessories

- Keyless chuck 0.3-13mm/MT2
- drill drift GJ-19
- T-type nut M10

可选附件: 这个可以根据客户的要求来配, 可以是整套的六角扳手, 或者是实用的工具箱, B16H/HV 的可选附件都可以用。

Optional accessories: This is according to the requirement from customer. It could be full set of hexagon wrench or tool box, also we can use the same optional accessories from B16H/HV.

VARIABLE SPEED DRILLING MACHINE



无级变速钻床 DH 24BV/28BV/34BV/40BV

优质、高效、高性价比

- 内置自动卸刀装置，换刀简单方便
- 正反转开关
- 钻削深度限位可调
- 钻削深度数显表，显示精确度为0.01mm (DH34BV)
- 工作灯
- 高精度钻夹头

Convincing arguments: quality, efficiency and price

- Easy tool change due to integrated drill drift (from DH 28BV)
- Right-/left-hand rotation
- Adjustable drill depth stop
- Digital depth gauge, accuracy of the display 0.01 mm (DH34BV)
- Machine lamp
- High quality precision drill chuck

高同心度

- 小于0.015mm的精密同心度

High concentricity precision

- Due to taper roller bearings less than 0.015 mm measured in the spindle sleeve

钻夹头防护罩

- 最大限位保护用户的安全
- 高度可调
- 带微动开

Chuck guard

- Best possible protection of the user
- Height-adjustable
- Micro switch



DH 24BV



DH 28BV

控制面板

- 速度数字显示
- 操作模式 / 转动方向选择开关

Control panel

- Digital speed display
- Selector switch operating mode/rotating direction

工作灯

- 内置在钻床头中
- 卤素灯

Machine lamp

- Integrated in the drill head
- Halogenlamp

铸铁立柱

- 壁厚
- 高强度
- 坚固耐用

Casting column

- Thick-walled
- High power admission
- Solid

工作台

- 大尺寸
- 坚固耐用
- 带横向运动T型槽
- 背面加强筋

Drilling table

- Largely dimensioned
- Solid
- Transversally running T-slots
- Heavily ribbed at the rear side

底座

- 工作台转向一边即可加工超高尺寸工件
- 坚固耐用
- 精加工

Base plate

- Usable as a working surface for extra high workpieces due to therotatable drill table
- Solid
- Precisely machined at the surface

主轴

- 高精度滚珠轴承
- 标准的优质快速夹头

Drilling spindle

- Precision ball bearings
- Premium quick clamping chuck as standard

机床技术参数 /Specification

型号	Model	DH 24BV	DH 28BV	DH 34BV	DH 40BV
货号	Item no.	3502480	3502880	3503480	3504080
电压	Motor	0.85/1.5 kW 400 V/3Ph	0.85/1.5 kW 400 V/3Ph	1.5/2.4 kW 400 V/3Ph	1.5/2.4 kW 400 V/3Ph
电机功率	Motor power	0.5/1.5 KW	0.85/1.5 KW	1.5/2.2 KW	1.5/2.2 KW
钢制品(S235JR)切削量	Drilling capacity in steel (S235JR)	Ø24 mm	Ø28 mm	Ø34 mm	Ø34 mm
钢制品(S235JR)连续切削量	Continuous drilling capacity in steel (S235JR)	Ø20 mm	Ø24 mm	Ø26 mm	Ø26 mm
主轴行程	Spindle stroke	85 mm	105 mm	160 mm	160 mm
主轴类型	Spindle seat	MT 2	MT 3	MT 4	MT 4
主轴中心到立柱表面距离	Throat	165 mm	200 mm	285 mm	285 mm
主轴转速	Spindle speeds	300-4000 rpm	300-4000 rpm	300-4000 rpm	150-2000 rpm
工作台尺寸	Work surface table length x width	280x300 mm	340x358 mm	400x426 mm	400x426 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14 mm/90°/2	14 mm/90°/2	14 mm/90°/2	14 mm/90°/2
工作台旋转	Drilling table turnable	360°	360°	360°	360°
主轴到工作台(最小/最大)距离	Distance spindle - table (min/max.)	0-445 mm	0-927 mm	0-790 mm	0-790 mm
主轴到底座(最大)距离	Distance spindle - stand (max.)	595 mm	1282 mm	1025 mm	1025 mm
底座尺寸	Work surface stand length x width	264x280 mm	350x320 mm	410x450 mm	410x450 mm
立柱直径	Column diameter	Ø80 mm	Ø92 mm	Ø115 mm	Ø115 mm
机床尺寸	Length x Width x Height	755x440x1175 mm	765x500x1940 mm	975x600x2120 mm	975x600x2120 mm
净/毛重	N.W/G.W	115/139 kg	152/186 kg	270/320 kg	275/328 kg

标准附件

- 钻接杆
- 钻夹头3-16mm

Standard accessories

- Drill chuck taper
- Drill chuck 3-16mm



可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ100 (DH24BV) TQ140(DH28BV/DH34BV)
7. 冷却装置

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT2/9PCS 14.5-30mm MT3/9PCS 14.5-30mm
6. Drilling vice TQ100 (DH24BV) TQ140(DH28BV/DH34BV)
7. Coolant system

机械无级变速 Mechanical variable speed driver

- 无级变速驱动
- 机床功率大,而运转时噪音控制很好
- 皮带经久耐用
- 易学易操控
- 机运转过程中可更换速度
- Reliably by manual speed adjustment
- Powerful quiet operation
- Long-lived belt
- manageable technique
- Speed change during the course of the machine

可选附件 OPTIONAL EQUIPMENT



BENCH DRILLING MACHINE DX TYPE

台式钻床 DX13V / DX15V / DX17V

优质、高效、高性价比(仅DX17V)

- 铝皮带轮功率强劲
- 带急停按钮
- 精度滚珠轴承，钻削有力
- 保证主轴套筒处同心度在0.03 mm内
- 卡盘防护罩带微动开关，高度可调

Convincing arguments: quality, efficiency and price(only DX17V)

- Best power transmission due to aluminium belt pulleys
- Emergency-stop push button
- Drilling spindle with precision ball bearings
- Guaranteed concentricity less than 0.03 mm measured at the drilling
- Height adjustable chuck guard with microswitch

DX 13V:

- 薄膜开关按键，防水防脏，易清洁
- EMC 滤波器 B 级（家庭私人使用）
- 机头高度可调

DX 13V:

- Membrane keyboard, dirt/water-resistant, easy to clean
- EMC filter class B (use in private households)
- Drill head height adjustable

DX 15V:

- 薄膜开关按键，防水防脏，易清洁
- EMC 滤波器 B 级（家庭私人使用）
- 带工作台
- 带 MT 转接杆

DX 15V:

- Membrane keyboard, dirt/water-resistant, easy to clean
- EMC filter class B (use in private households)
- Drilling table
- MT Adapter

DX 17V:

- 薄膜开关按键，防水防脏，易清洁，带高对比度 LED 显示屏
- 带攻丝模式
- 显示屏带语言选择功能，可选择德语、英语、法语和俄罗斯语
- 带数字零位参考点功能
- 带计数功能
- 钻销深度限位声音报警
- 攻丝模式带减速功能
- 带西门子变频器 SINAMICS V20
- 机头左右内嵌防炫目 LED 灯

DX 17V:

- Dirt- and water-resistant, easy-to-clean membrane keyboard with highcontrast OLED display
- Thread tapping mode
- Language selection in display field, choice of DE-EN-FR-RUS
- Digital zero point
- Digital parts counter
- Audible signal on reaching drilling depth
- Reduced speed in thread tapping mode
- Siemens frequency inverter SINAMICS V20
- Anti-glare LED lighting on the left and right, integrated into the drilling head



DX13V

有刷电机 Brush motor
无级变速 Variable speed



DX15V

变频电机 Inverter motor
无级变速 Variable speed



DX17V

机床技术参数 / Specification

型号	Model	DX13V	DX15V	DX17V
货号	Item No	3301300	3301500	3301700
电压参数	Electrical connection	230 V/1 ph/50 Hz	230 V/1 Ph/50 Hz	230 V/1 Ph/50 Hz
电机功率	Motor power	850 W	850 W	1 kW
钻孔直径	Drilling capacity			
钢件(S235JR)钻孔直径	Drilling capacity in steel (S235JR)	Ø13 mm	Ø16 mm	Ø16 mm
钢件连续钻孔直径	Continuous drilling cap. steel	Ø13 mm	Ø13 mm	Ø13 mm
钢件(S235JR)攻丝直径	Thread cutting in steel (S235JR)	/	/	M8
主轴座	Spindle seat			
主轴中心到立柱表面距离	Throat depth	235 mm	235 mm	235 mm
主轴锥度	Spindle seat	B16	MT2	MT2
主轴行程	Spindle stroke	60 mm	60 mm	60 mm
转速	Speeds			
主轴转速	Spindle speeds	100-3000 rpm	100-3000 rpm	50-4000 rpm
工作台	Drilling table			
工作台尺寸	Drilling table size length x width	/	290x290 mm	290x290 mm
工作台T型槽尺寸/距离/数量	T-slot size / number / distance	/	10 mm/2/100 mm	10 mm/2/100 mm
工作台回转角度	Drilling table turnable	/	360°	360°
主轴端到工作台距离	Drill chuck -drilling table	/	125 mm	125 mm
底座	Machine foot			
底座尺寸	Stand work surface L x W	290x280 mm	290x280 mm	290x280 mm
底座T型槽尺寸/距离/数量	T-slot size / number / distance	14 mm/2/100 mm	14 mm/2/100 mm	14 mm/2/100 mm
主轴端到底座距离	Distance drill chuck - machine foot	300 mm	300 mm	300 mm
尺寸	Dimensions			
立柱直径	Column diameter	Ø60 mm	Ø60 mm	Ø60 mm
外形尺寸	Length x width x height	475x425x880 mm	475x425x910 mm	475x425x910 mm
包装尺寸	Packing size	540x420x1035 mm	540x420x1060 mm	540x420x1100 mm
净重/毛重	N.W./G.W.	51/65.1 kg	66/83 kg	73/85 kg

DRILLING



VARIABLE SPEED DRILLING MACHINE

无级变速钻床 DX17F



DX17F

机床技术参数 /Specification

型号	Model	DX17F
货号	Item No	3801700
电压参数	Electrical connection	230 V/1 Ph/60 Hz
电机功率	Motor power	1 kW
钻孔直径	Drilling capacity	
最大钻孔直径	Drilling capacity in steel	Ø16 mm
主轴座	Spindle seat	
主轴中心到立柱表面距离	Throat depth	225 mm
主轴锥度	Spindle seat	MK2
主轴行程	Spindle stroke	60 mm
转速	Speeds	
主轴转速	Spindle speeds	50-4000 rpm
工作台	Drilling table	
工作台尺寸	Drilling table size length x width	330x292 mm
工作台T型槽尺寸	T-slot size	14 mm
主轴端到工作台距离	Drill chuck -drilling table	80-730 mm
底座	Machine foot	
底座尺寸	Stand work surface L x W	310x495 mm
尺寸	Dimensions	
立柱直径	Column diameter	Ø80 mm
外形尺寸	Length x width x height	500x340x1760 mm
包装尺寸	Packing size	600x420x1900 mm
净重/毛重	N.W./G.W.	81/90 kg

VARIABLE SPEED DRILLING MACHINE

工业无级变速钻床 B30BS

优质、高效、高性价比

- 减震高速大功率电机
- 主轴使用精确滚珠轴承
- 套筒行程125mm
- 工作台沿齿条可上下移动
- 可调整的钻削深度限位
- 紧急停止开关
- 钻削深度数显表，公英制转换，精确度为0.01mm
- 可调透明互锁钻夹头防护罩

Convincing arguments: quality, efficiency and price

- Smooth running and high performance electro motor
- Drilling spindle with precise ball bearings
- Large sleeve travel of 125 mm
- Height adjustment of the drilling table via toothed rack
- Adjustable drilling depth stop
- EMERGENCY-STOP-switch
- Digital depth gauge, accuracy of the display 0.01 mm, reversible mm/inch
- Height adjustable screening grid with interlock switch for best possible protection of the user

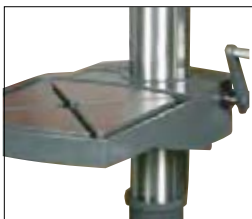
- 退刀器可方便更换钻头及其他工具
- Simple tool change by ejection mechanism



- 钻孔深度数显表精确为 0.01mm
- Digital depth gauge accuracy of the display 0.01 mm

- 钻削深度限位块
- Drill depth stop

- 高强度铸铁立柱
- Thick-walled cast upright for high power compensation and stability



- 大尺寸高刚性对角 T 行槽工作台
- Largely dimensioned, solid drilling table, precisely machined, with diagonally running T-slots, heavily ribbed at the back side

- 重型 T 型槽底座
- 将工作台向一边回转可在底座上放置大型工件
- Solid base plate with T-slots, precisely machined surface by swivelling the table, it can be used as working surface for extremely high workpieces

- 大功率电机
- 无级变速
- Powerful motor
- Vario speed (infinitely variable)

- 急停开关
- Emergency-Stop button
- 调速旋钮
- change speed button

- 工作灯
- Machine lamp

- 可调互锁防护罩
- Height adjustable screening grid with interlock switch for best possible protection of the user

- 工作台升降齿条
- Height adjustable via toothed rack

- 7. 回水过滤装置 (可选)
- Backwater filtration device (for optional)



B30BS

机床技术参数 /Specification

型号	Model	B30BS
产品编号	Code No.	3403000
加工范围	CAPACITY	
钻孔直径	Drilling capacity (max.)	ø30 mm
工作范围	WORKING RANGE	
套筒直径	Sleeve diameter	ø62 mm
套筒行程	Sleeve travel	125 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle holding fixture	MT3
主轴中心线至立柱表面距离	Distance spindle-column	285 mm
速度	SPEEDS	
主轴转速	Spindle speeds	30-3800 rpm
转速级数	Number of steps	4 x 2 steps
工作台	DRILLING TABLE	
工作台尺寸 (长×宽)	Table size(L×W)	426×400 mm
T型槽尺寸	T-slot size	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	790 mm
底座尺寸(长×宽)	Working surface stand(L×W)	388×390 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	1025 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	2.2 KW /230 V/50 Hz
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸 (长×宽×高)	size(L×W×H)	693×534×1850 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	855×600×2110 mm
净重/毛重	Net weight/Gross weight	295/344 kg

标准附件

- 钻接杆 MT3/B16
- 钻夹头 3-16mm/B16

Standard accessories

- Drill chuck taper MT3/B16
- Drill chuck 3-16mm/B16

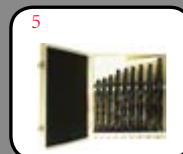
可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ140
7. 回水过滤装置

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT3/9PCS 14.5-30mm
6. Drilling vice TQ140
7. Backwater filtration device

可选附件 OPTIONAL EQUIPMENT



DRILLING PRESS MACHINE



新款台钻 DP26

优质、高效、高性价比

- V带传动，多档变速，可调节理想传动比减少功率损失
- 一件式压铸铝手柄，操作方便
- 皮带快速涨紧装置，换挡方便
- 双层防护罩，防护距离面积更大
- 设有LED工作灯，十字镭射灯
- 液晶显示器，可显示机床转速及套筒进给行程
- 24V低压控制，双通道安全保护开关
- 档次介于台钻和H系列工业钻床之间

Convincing arguments: quality, efficiency and price

- Best possible force transmission thanks to V-belt cover, multi-speed transmission and adjustable
- One-piece casting aluminum handle, easy to use
- V-belt quick tensioning device, easy to shift
- Double-layer chuck cover, bigger protection area
- With LED lamp and cross laser light
- LCD display, can show the machine speed and sleeve feed travel
- With 24V low-voltage control, and also double-channel safety switchprotection of the user
- The level is between Pro-line drill press and H-type drilling machine



DP26

机床技术参数 /Specification

型号	Model	DP26
货号	Item No	3112610
电压参数	Electrical connection	230 V/50 Hz
电机功率	Motor power	750 W
钻孔直径	Drilling capacity	
钢制品(ST60 - E335)切削量	Drilling capacity in steel (ST60 - E335)	ø25 mm
钢制品连续切削量	Continuous drilling capacity in steel	ø20 mm
主轴座	Spindle seat	
主轴中心到立柱表面距离	Throat depth	210 mm
主轴锥度	Spindle seat	MK3
主轴行程	Spindle stroke	85 mm
主轴转速	Spindle speeds	200-2440 rpm
档位	Number of steps	12
工作台	Drilling table	
工作台尺寸	Drilling table size length x width	314 x 314 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14 mm / 90° / 2
主轴端到工作台距离	Drill chuck -drilling table	470 mm
工作台旋转	Drilling table turnable	360°
底座	Machine foot	
底座尺寸	Base work area L x W	499.5 x 302.5 mm
主轴到底座(最大)距离	Distance spindle - base (max.)	625 mm
尺寸	Dimensions	
立柱直径	Column diameter	ø80 mm
外形尺寸	Length x width x height	710 x 370 x 790 mm
包装尺寸	Packing size	775 x 450 x 1095 mm
净重/毛重	N.W./G.W.	

DRILLING MACHINE

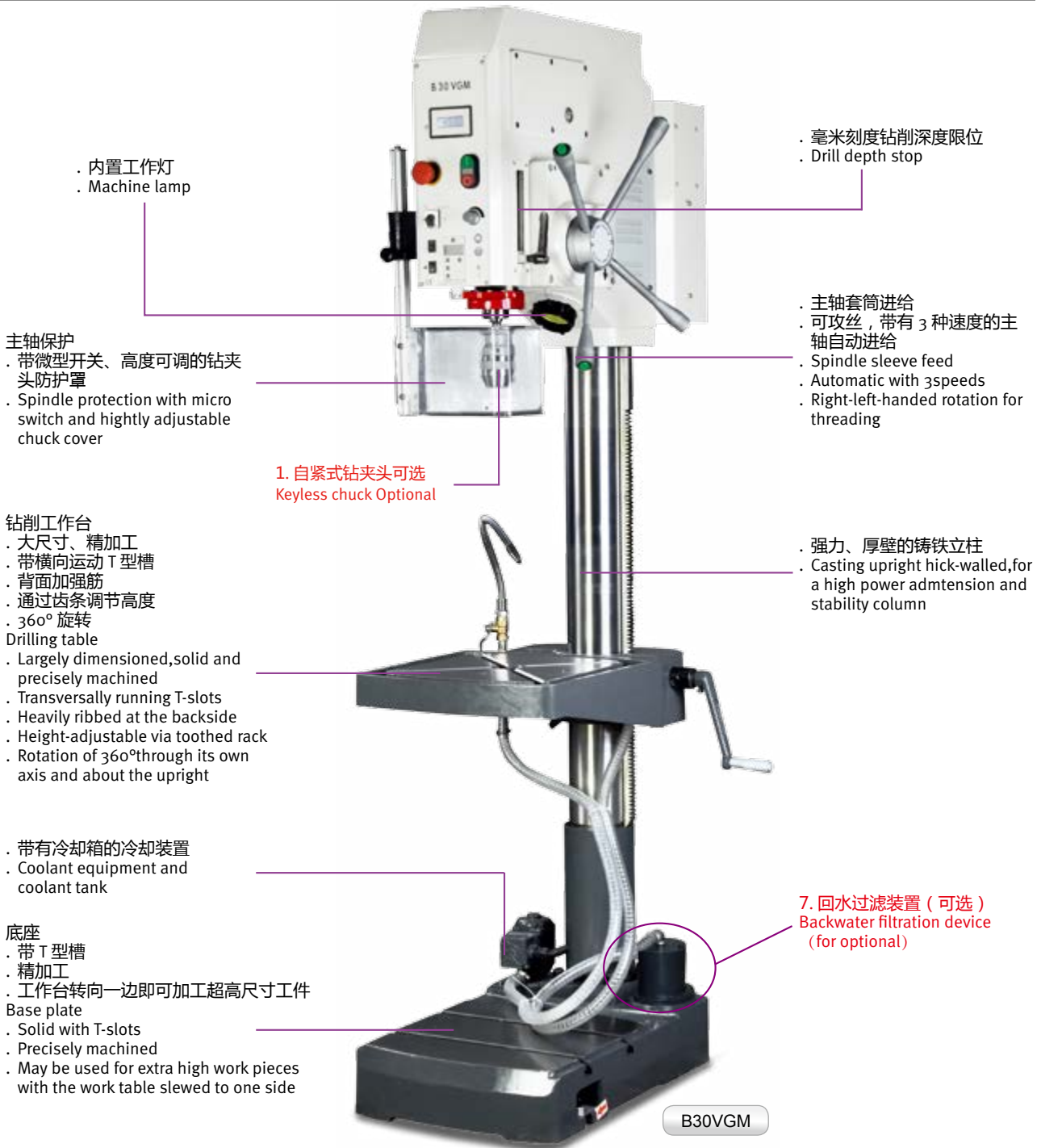
钻床 B 30VGM

优质、高效、高性价比

- 床身厚重结实铸铁制造
- 铸铁立柱大尺寸、壁厚，运转平稳、性能稳定
- 主轴经淬火、精加工，同心度高
- 攻丝功能，主轴自动进给
- 可锁式主开关、以及带安全保护的电机开关
- 主轴自动卸刀装置，换刀简单方便
- 钻夹头防护罩尺寸大、高度可调节并带微调开关,有利防护铁屑飞溅和零件滑落带来的危险

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned thick-walled steel column upright
- High concentricity precision due to hardened and ground work spindle
- Threading attachment, Spindle power feeder
- Lockable main switch and protective motor switch
- Spindle locking with integrated drill for a simple tool change
- Height-adjustable screening grid with micro switch to prevent from parts flying off, for best possible protection of the user



· 内置工作灯
· Machine lamp

· 毫米刻度钻削深度限位
· Drill depth stop

主轴保护

- 带微型开关、高度可调的钻夹头防护罩
- Spindle protection with micro switch and heightly adjustable chuck cover

· 主轴套筒进给
· 可攻丝, 带有 3 种速度的主轴自动进给
· Spindle sleeve feed
· Automatic with 3 speeds
· Right-left-handed rotation for threading

1. 自紧式钻夹头可选
Keyless chuck Optional

钻削工作台

- 大尺寸、精加工
- 带横向运动 T 型槽
- 背面加强筋
- 通过齿条调节高度
- 360° 旋转
- Drilling table
- Largely dimensioned, solid and precisely machined
- Transversally running T-slots
- Heavily ribbed at the backside
- Height-adjustable via toothed rack
- Rotation of 360° through its own axis and about the upright

· 强力、厚壁的铸铁立柱
· Casting upright thick-walled, for a high power admtnsion and stability column

- 带有冷却箱的冷却装置
- Coolant equipment and coolant tank

底座

- 带 T 型槽
- 精加工
- 工作台转向一边即可加工超高尺寸工件
- Base plate
- Solid with T-slots
- Precisely machined
- May be used for extra high work pieces with the work table slewed to one side

7. 回水过滤装置 (可选)
Backwater filtration device (for optional)

B30VGM

机床技术参数 /Specification

型号	Model	B30VGM
产品编号	Code No.	3413000
加工范围	CAPACITY	
钻孔直径	Drilling capacity (max.)	Ø30 mm
工作范围	WORKING RANGE	
套筒直径	Sleeve diameter	Ø62 mm
套筒行程	Sleeve travel	125 mm
主轴	SPINDLE HOLDING FIXTURE	
主轴锥度	Spindle holding fixture	MT3
主轴中心线至立柱表面距离	Distance spindle-column	285 mm
速度	SPEEDS	
主轴转速	Spindle speeds	L:80-700 rpm M:200-1700 rpm H:400-3000 rpm
转速级数	Number of steps	3 steps
进给量	Autom.spindle sleeve feed	0.1/0.15/0.2 mm/rev
工作台	DRILLING TABLE	
工作台尺寸(长×宽)	Table size(L×W)	426×400 mm
T型槽尺寸	T-slot size	14 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	790 mm
底座尺寸(长×宽)	Working surface stand(L×W)	388×390 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	1025 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	2.5 KW 230 v/50 Hz
外形尺寸及重量	DIMENSIONS AND WEIGHT	
外形尺寸(长×宽×高)	size(L×W×H)	735×600×1915 mm
包装尺寸(长×宽×高)	packing size(L×W×H)	855×600×2110 mm
净重/毛重	Net weight/Gross weight	302/366 kg

标准附件

- 钻接杆 MT3/B16
- 钻夹头 3-16mm/B16

Standard accessories

- Drill chuck taper MT3/B16
- Drill chuck 3-16mm/B16

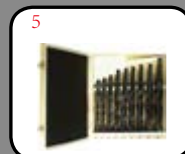
可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ140
7. 回水过滤装置

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT3/9PCS 14.5-30mm
6. Drilling vice TQ140
7. Backwater filtration device

可选附件 OPTIONAL EQUIPMENT



DRILLING MACHINE

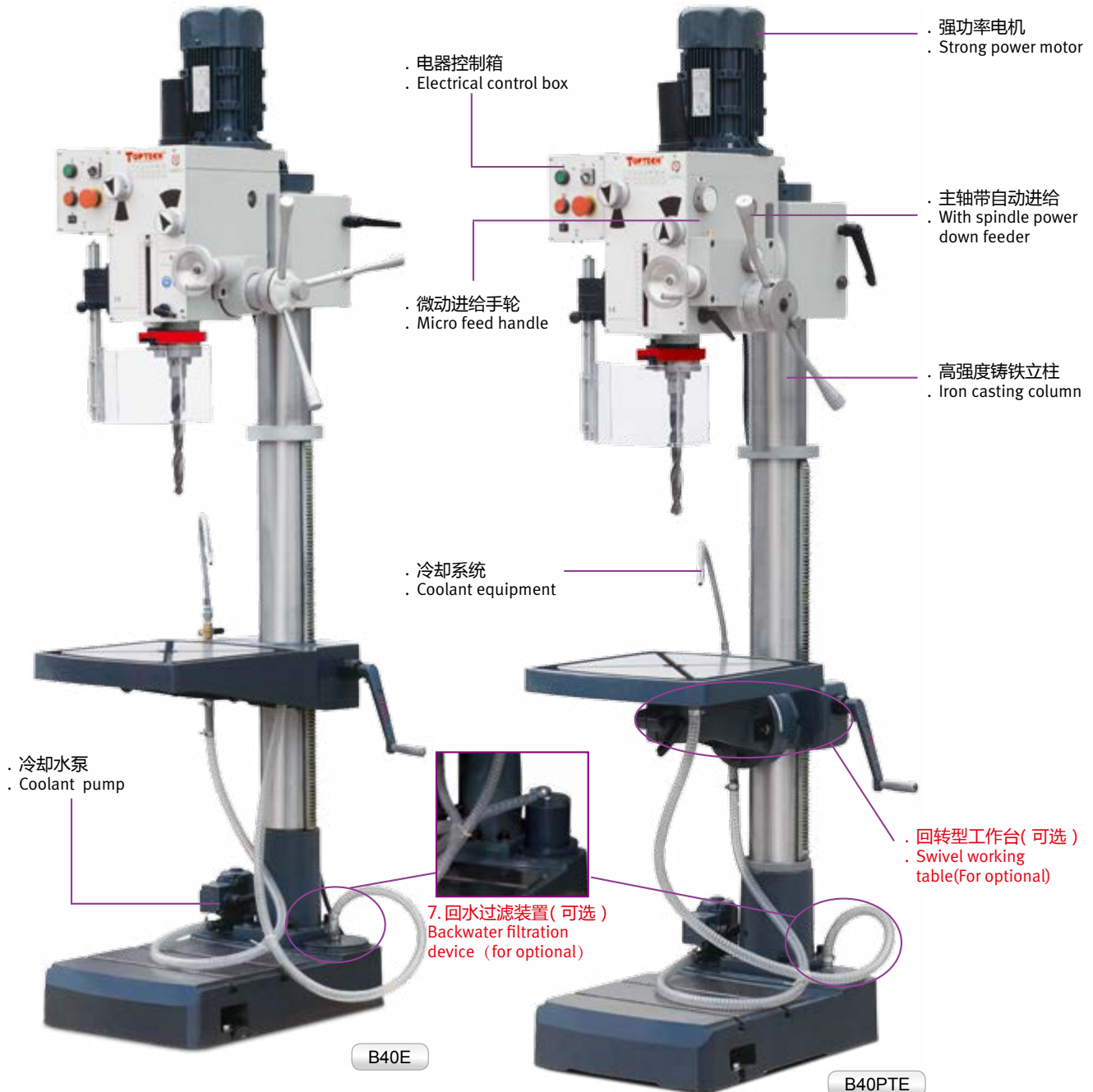
钻床 B 40E/B40PTE

优质、高效、高性价比

- 铸铁结构 结实耐用
- 通过手轮精确进给的主轴套筒，方便实用
- 钻削工作台大尺寸、结实耐用、加工精密，
- 带有T-型槽，背部强筋加固，双夹持
- 通过前端的换挡手柄实现轻易变速
- 星形把手主轴套筒进给
- 耦合器用以实现由手动粗进给转换为手动精进给
- 厚壁铸铁立柱，令加工操作平滑稳定
- 工作台通过齿条调节高度
- 冷却装置
- 机头高度可通过齿条调节
- 主轴套筒自动走刀，加工方便快捷
- 旋转工作台

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Spindle sleeve fine infeed via handwheel, easy to use
- Largely dimensioned drilling table, solid and precisely machined with transversally running T-slots, heavily ribbed at the backside and double clamping
- Easy speed change via gear shifting lever at the front
- Spindle sleeve feed via star grip (B 40 E)
- Coupler to change from manual rough feed to manual fine feed
- Thick-walled cast-iron upright for high smooth running and stability
- Height adjustment of table via toothed rack
- Coolant equipment
- Machine head adjustable via toothed rack B 40 PTE:
- Automatic sleeve feed allows easy working
- Swiveling drilling table



机床技术参数 /Specification

型号	Model	B40E	B40PTE
货号	Code No.	3304000	3314000
钻孔能力	Drilling CAPACITY		
钻孔直径	Drilling capacity in steel	Ø32 mm	
连续钻孔直径	Continuity drilling cap.steel	Ø25 mm	
套筒行程	Sleeve travel	120 mm	
主轴套筒直径	Spindle sleeve diameter	Ø75 mm	
工作范围	Working range	285 mm	
主轴锥度	SPINDLE		
主轴锥度	Spindle taper	MT4	
速度	SPEEDS		
主轴转速	Spindle speeds	95-3200 rpm	
转速级数	Number of steps	2x6 steps	
工作台尺寸	Working surface table LxW	426x400 mm	
T型槽尺寸	T-slot size	14 mm	
工作台回转角度	Drilling table slewable	-360°	
主轴端面到工作台面的最大距离	Distance spindle-table(max.)	855 mm	
床脚尺寸	Working surface stand LxW	388x390 mm	
主轴到床脚距离	Distance spindle-stand(max.)	1215 mm	
立柱直径	Upright diameter	Ø115 mm	
电机	ELECTRIC SUPPLY		
电机功率	Driving power	1.1/1.5 KW 400 V~50 Hz	
冷却泵功率	Coolant pump	40 W	
外形尺寸及重量	DIMENSIONS AND WEIGHT		
包装尺寸	Packing size	755x620x2010 mm 760x620x2000 mm	
净重/毛重	N.W./G.W.	288/336 kg 302/360 kg	

标准附件

- 操作工具
- 快换钻夹头

Standard accessories

- Operating tools
- Quick-action drill chuck

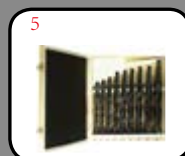
可选附件

1. 自紧钻夹头 1-16mm/B16
2. 变径套 MT3/MT2
3. 攻丝夹头 M5-M12
4. 麻花钻套装 1-13mm/25PCS
5. 莫氏锥柄钻头套头 MT3/9PCS 14.5-30mm
6. 机用平口钳 TQ100/TQ140
7. 回水过滤装置

OPTIONAL EQUIPMENT

1. Keyless chuck 1-16mm/B16
2. Reduction bush MT3/MT2
3. Threading tapping chuck M5-M12
4. Twist drill bit set 1-13mm/25PCS
5. Morse taper drill bit set MT3/9PCS 14.5-30mm
6. Drilling vice TQ100/TQ140
7. Backwater filtration device

可选附件 OPTIONAL EQUIPMENT



GEAR HEAD DRILLING MACHINE

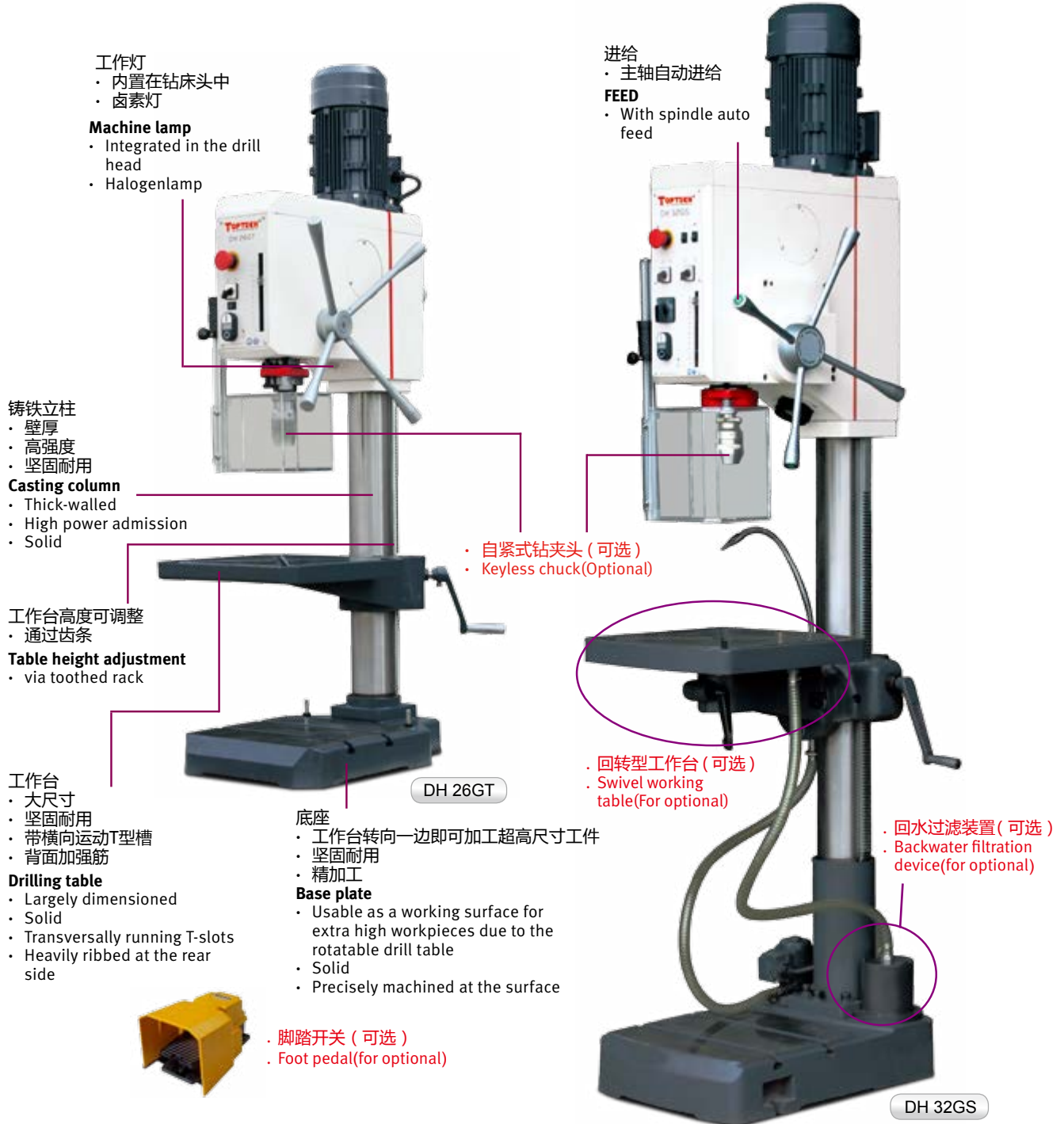
钻床 DH26GT/DH28GS/DH32GS

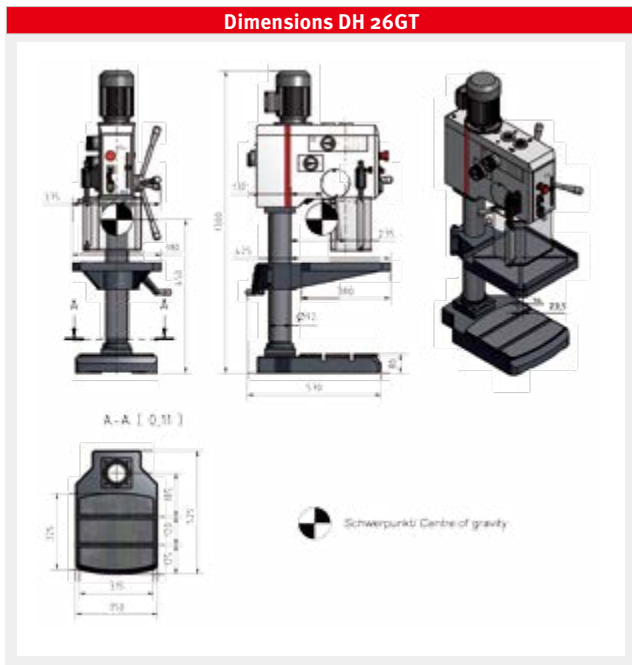
优质、高效、高性价比

- 床身厚重结实铸铁制造
- 铸铁立柱大尺寸、壁厚，运转平稳、性能稳定
- 主轴经济火、精加工，同心度高
- 精加工铝皮带轮保证高速平滑运行
- 转速范围较宽
- 钻夹头防护罩尺寸大、高度可调节并带微调开发，有利防护铁屑飞溅和零件滑落带来的危险
- 钻夹头防护最大限度地保护使用者
- 内置工作灯
- DH28GS和DH32GS带冷却装置

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned, thick-walled casting column
- High true running accuracy due to hardened and ground work spindle
- Smooth running due to aluminum pulleys with ground multi
- Wide speed range
- Height-adjustable spindle protection with microswitch to prevent chips and parts
- Spindle protection for best possible protection of the user
- Integrated Machine lamp
- DH28GS and DH 32 GS with coolant equipment





机床技术参数 / Specification

型号	Model	DH26GT	DH28GS	DH32GS
货号	Item no.	3312680	3322880	3323280
电机	Electrical connection			
电压	Electrical connection	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
主电机功率	Total connexion ~50 Hz	1.1/1.5 kW	1.1/1.5 kW	1.5/2.2KW
钻孔能力	Drilling capacity			
最大钻孔能力(钢件)	Drilling capacity in steel (S235JR)	Ø 26 mm	Ø 28 mm	Ø 32 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	Ø 24 mm	Ø 25 mm	Ø 30 mm
主轴	Spindle seat			
主轴锥度	Spindle taper	MT 3		MT4
主轴套筒行程	Spindle sleeve stroke	235 mm	260 mm	285 mm
转速	Speeds			
主轴转速	Spindle speeds	75 / 150 rpm 250 / 500 rpm 420 / 840 rpm 1450 / 2900 rpm		75 / 110 rpm 240 / 360 rpm 420 / 620 rpm 1330 / 2000 rpm
工作台	Drilling table			
工作台尺寸	Working surface table Length x width	380 x 380 mm	376 x 394 mm	400 x 420 mm
T型槽尺寸	T-slot size	14 mm	14 mm	14 mm
工作台旋转角度(可选)	Drilling table turnable(for optional)	360°	360°	360°
主轴端面至工作台面最大距离	Distance spindle - table (max.)	450 mm	933 mm	822
主轴端面至底座最大距离	Distance spindle - stand (max.)	610 mm	1300 mm	1270 mm
底座尺寸	Working surface stand	322 x 320 mm	322 x 356 mm	420 x 393 mm
尺寸	Dimensions			
立柱直径	Column diameter	Ø 92 mm	Ø 92 mm	Ø 115 mm
包装尺寸(长×宽×高)	packing size(L×W×H)	725x500x1600 mm	2070x480x845 mm	2240x550x990 mm
净重/毛重	Net weight/Gross weight	158/184 kg	175/230 kg	312/378 kg

细节展示 Details



- 主轴自动卸刀装置, 换刀方便
- Spindle locking with integrated drill drift:**
- for a simple tool change



- 齿轮**
- 8级转速75-2' 900rpm
- Gear**
- 8 speeds 75 - 2'900 rpm

DRILLING

GEAR HEAD DRILLING MACHINE



钻床 DH26GTV/28GSV/32GSV

面板

- 良好的薄膜键盘
- 数字速度显示

Front panel

- User-friendly membrane keyboard
- Digital speed display



钻夹头防护罩

- 最大限位保护用户的安全
- 高度可调
- 带微动开

Chuck guard

- Best possible protection of the user
- Height-adjustable
- Micro switch



- 脚踏开关 (可选)
- Foot pedal (for optional)

DH 26GTV



工作灯

- 内置在钻床头中
- 卤素灯

Machine lamp

- Integrated in the drill head
- Halogen lamp

铸铁立柱

- 壁厚
- 高强度
- 坚固耐用

Casting column

- Thick-walled
- High power admission
- Solid

工作台

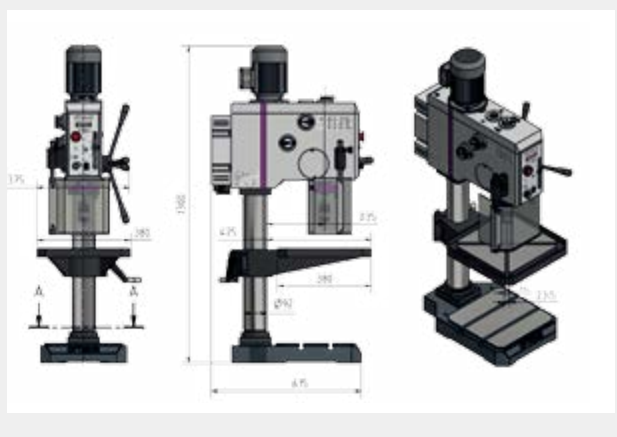
- 大尺寸
- 坚固耐用
- 带横向运动T型槽
- 背面加强筋

Drilling table

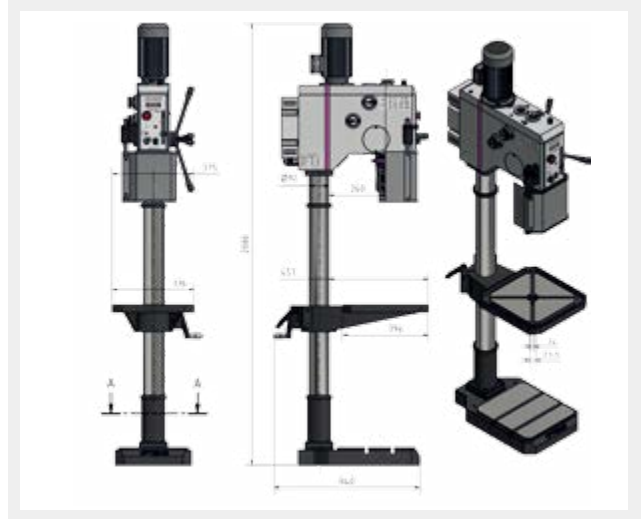
- Largely dimensioned
- Solid
- Transversally running T-slots
- Heavily ribbed at the rear side

DH 28GSV

Dimensions DH 26GTV



Dimensions DH 28GSV



机床技术参数 /Specification

型号	Model	DH 26GTV	DH 28GSV	DH32GSV
货号	Item no.	3412600	3422800	3423280
机器参数	Machine datas			
插头电源	Electrical connection	230 V 50 HZ 1 PH	400 V 50 HZ 3 PH	400 V 50 HZ 3 PH
电机功率	Motor power	1.5 KW	1.5 KW	2.2 KW
冷却泵电机	Motor coolant pump	/	/	40 W
钻孔能力	Drilling capacity			
钢制品切削量	Drilling capacity in steel (S235JR)	Ø 26 mm	Ø 28 mm	Ø 32 mm
钢制品连续切削量	Continuous drilling capacity in steel(S235JR)	Ø 24 mm	Ø 25 mm	Ø 30 mm
主轴	Spindle seat			
主轴行程	Spindle stroke	127 mm	127 mm	125 mm
主轴类型	Spindle seat	MT3	MT3	MT4
主轴中心到立柱表面距离	Throat	235 mm	260 mm	285 mm
主轴自动走刀	Automatic spindle sleeve feed	/	/	0.1/.005 mm/rev
转速	Speeds			
主轴转速	Spindle speed	45-165 rpm 150-550 rpm 250-925 rpm 870-3200 rpm	45-165 rpm 150-550rpm 250-925 rpm 870-3200 rpm	50-160 rpm 160-530 rpm 280-920 rpm 900-3000 rpm
档位	Gear stages/Steps	4档变速+变频调速	4档变速+变频调速	4档变速+变频调速
工作台	Drilling table			
工作台尺寸	Table work surface length x width	380x380 mm	376x394 mm	400x420 mm
T型槽尺寸	T-slot size T	14 mm	14 mm	14 mm
工作台旋转	Rotatable drilling table			
主轴到工作台距离	Distance spindle - table	max. 450 mm	max. 875 mm	max. 822 mm
主轴到底座距离	Distance spindle - stand	max. 610 mm	max. 1200 mm	max. 1270 mm
底座尺寸	Stand work surface length x width	320x322 mm	350x322 mm	420x393 mm
尺寸	Dimensions			
立柱直径	Column diameter	Ø 92 mm	Ø 92 mm	Ø 115 mm
机床尺寸	Dimensions	725x500x1600 mm	2070x480x890 mm	2240x550x990 mm
净重/毛重	Total weight	168/194 kg	184/242 kg	303/369 kg

DRILLING MACHINE

钻床 DH30GT



优质、高效、高性价比

- 铸铁结构，结实耐用
- 通过手轮精细进给的主轴套筒，方便实用
- 通过前端换挡把手实现轻易变速
- 星型把手主轴套筒进给
- 双层防护罩，防护距离面积更大
- 24V 低压控制，双通道安全保护开关

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Fine spindle sleeve feed via hand-wheel, easy and convenient
- Simple speed change via the gear selector switch at front
- Spindle sleeve feed via star handle
- Double-layer chuck cover, bigger protection area
- With 24V low-voltage control, and also double-channel safety switch



DH 30GT

机床技术参数 /Specification

型号	Model	DH30GT
货号	Item no.	3313080
机器参数	Machine datas	
插头电源	Electrical connection	400 V 50 HZ 3 PH
电机功率	Motor power	1.1/1.5 KW
钻孔能力	Drilling capacity	
钢制品切削量	Drilling capacity in steel (S235JR)	Ø 32 mm
钢制品连续切削量	Continuous drilling capacity in steel(S235JR)	Ø 25 mm
主轴	Spindle seat	
套筒直径	Sleeve diameter	Ø 75 mm
主轴行程	Spindle stroke	120 mm
主轴类型	Spindle seat	MT3
主轴中心到立柱表面距离	Throat	285 mm
转速	Speeds	
主轴转速	Spindle speed	95-3200 rpm
档位	Gear stages/Steps	12档变速
工作台	Drilling table	
T型槽尺寸	T-slot size T	14 mm
工作台旋转	Rotatable drilling table	
主轴到底座距离	Distance spindle - stand	max. 550 mm
底座尺寸	Stand work surface length x width	370×388 mm
尺寸	Dimensions	
立柱直径	Column diameter	Ø 115 mm
机床尺寸	Dimensions	637×470×1020 mm
重量	Total weight	203 kg

DRILLING MACHINE



钻床 DH35G/DH45G/DH55G

优质、高效、高性价比

- 铸铁结构，结实耐用
- 铸铁立柱大尺寸、壁厚，运转平稳、性能稳定
- 通过油泵自动齿轮润滑
- 主轴经淬火、精加工，同心度高
- 齿轮打磨，保证运转平稳，性能稳定
- 攻丝机构
- 可锁式主开关，以及带安全保护的电机开关
- 主轴自动卸刀装置，换刀简单方便
- 带机械 3 级可调主轴套筒进给

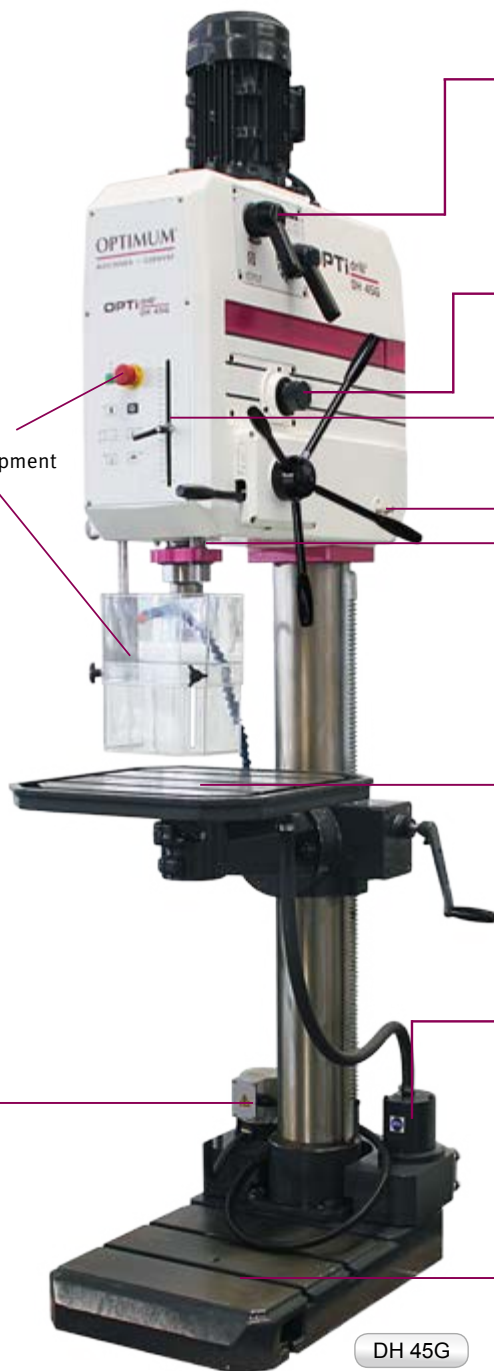
Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned, thick-walled casting column
- Automatic gearwheel lubrication via oil pump
- High true running accuracy due to hardened and ground work spindle
- High smooth running due to grinded gearwheels
- Threading mechanism
- Lockable main switch and protective motor switch
- Spindle locking with integrated drill drift for a simple tool change
- With mechanic, 3-fold adjustable spindle sleeve feed



DH 35G

- 冷却装置**
- 连续的
 - 分体式冷却箱
 - 冷却箱体积为7升
 - 排量是12升/分钟
- Coolant equipment**
- Serial
 - Coolant tank on the base
 - Tank capacity 7 litres
 - Delivery volume 12 l/min.



DH 45G

主轴转速

- 通过机头前部齿轮换挡手柄调速，可调8速
- 90-1520 rpm

Spindle speed

- 8 selectable speeds via gear shifting lever at the front of the drill head
- 90-1520 rpm

主轴套筒进给

- 自动
 - 3档，0.1,0.15,0.2毫米/转
- spindle sleeve feed**
- Automatic
 - 3 steps, 0.1,0.15,0.2 mm/rev

正反旋转

- 当攻丝的时候
- Right-/left handed rotation**
- when threading

附件脚踏开关

- Food pedal accessories

工作灯：内置在机头内

- Machine lamp**
- Integrated in the drill head

工作台

- 大尺寸
- 结实耐用
- 加工紧密
- 带T型槽
- 背部强筋加固
- 工作台通过齿条调节高度
- 360度旋转

Drilling table

- Largely dimensioned
- Solid
- Precisely worked
- Transversally running T-slots
- Heavily ribbed at the rear side
- Height-adjustable via toothed rack
- Rotation of 360° through its own axis and about the column

过滤器

- 清洁及过滤的冷却液
- Chip filter**
- Cleans the coolant from rough components

底座

- 结实耐用
- 带T型槽
- 工作面精加工
- 工作台转向一边即可加工超高尺寸工件

Base plate

- Solid
- Parallel running T-slots
- Precisely machined surface
- Usable as a work surface for extra high workpieces due to the rotatable drill table

机床技术参数 /Specification

型号	Model	DH 35G	DH 45G	DH 55G
货号	Item no.	3323500	3324500	3325500
电压	Electrical connection	400 V	400 V	400 V
电机功率	Motor power	1.5/2.2 KW	2.2 KW	2.8/2.2 KW
水泵电机功率	Motor coolant pump	0.1 kW	0.1 kW	0.1 kW
钢制品(ST60 - E335)切削量	Drilling capacity in steel (ST60 - E335)	Ø35 mm	Ø40 mm	Ø50 mm
钢制品连续切削量	Continuous drilling capacity in steel	Ø26 mm	0.15 mm	0.15 mm
钢制品(ST60 - E335)攻丝量	Threading in steel (ST60 - E335)	M24	M24	M42
主轴行程	Spindle stroke	125 mm	170 mm	200 mm
主轴类型	Spindle seat	MT4	MT4	MT4
主轴中心到立柱表面距离	Throat	285 mm	350 mm	405 mm
主轴自动走刀	Automatic spindle sleeve feed	0.1,0.15,0.2 mm/rev	0.1,0.15,0.2 mm/rev	0.1,0.15,0.2 mm/rev
主轴转速	Spindle speeds	40-3000 rpm	90-1520 rpm	45-2000 rpm
档位	Number of steps	8 steps	8 steps	16steps
工作台尺寸	Work surface table length x width	400x420 mm	530x530 mm	600x600 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14/36-305/4	16/125/3	18/160/3
工作台最大载荷	Load drilling table	200 kg	250 kg	350 kg
工作台旋转	Drilling table turnable	NO	YES	YES
主轴到工作台(最小/最大)距离	Distance spindle - table (min/max.)	65-800 mm	130-725 mm	130-725 mm
主轴到底座(最大)距离	Distance spindle - stand (max.)	1217 mm	1210 mm	1300 mm
底座尺寸	Work surface stand lengthxwidth	660x420 mm	755x480 mm	910x600 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	14/150/2	18/150/2	18/150/2
立柱直径	Column diameter	Ø115 mm	Ø150 mm	Ø200 mm
机床尺寸	Length x Width x Height	2175x450x725 mm	2195x480x850 mm	/
包装尺寸	packing size	2240x550x990 mm	2440x770x1110 mm	/
净重/毛重	Net weight/Gross weight	350/420 kg	560/625 kg	930 kg

标准附件 (DH45G)

- 莫氏锥柄钻头 MT4/B16
- 自紧式钻夹头 1-16 mm/B16
- Standard accessories(DH45G)
- Morse taper MT4/B16
- Keyless chuck 1-16 mm/B16

可选附件 (DH45G)

1. 快换钻夹头 MT4/1-16mm
2. 变径套 MT4-MT3
3. 钻接杆 MT4-B16
4. 麻花钻套装 Ø1-13mm
5. 夹紧工具 SPW12
6. 攻丝夹头 M5-M12
7. 机用平口钳 BSI 140/200
8. 脚踏开关

OPTIONAL EQUIPMENT(DH45G)

1. Quick-action drill chuck MT4/1-16 mm
2. Reducing bushes MT 4 - MT 3
3. Drilling chuck taper MT 4 - B16
4. Twist drill kit coated with titanium Ø 1-13 mm
5. Clamping tool kit SPW 12
6. Tapping chuck M5-M12
7. Machine vices BSI 140/200
8. Foot pedal



VARIABLE SPEED DRILLING MACHINE



无级变速钻床 DH45V/DH55V

优质、高效、高性价比

- 铸铁结构，结实耐用
- 可连续调节转速
- 主轴经淬火、精加工，同心度高
- 带攻丝功能
- 带主开关
- 钻夹头防护罩尺寸大、高度可调节并带安全开关，有利防护铁屑飞溅和零件滑落带来的危险，最大限度地保护使用者
- 带钻销深度限位
- 带 24V DC 电气
- 带机械可调主轴套筒进给
- 薄膜按键防污防水，清洁方便
- 正转反转点动控制和攻丝模式带可选脚踏开关
- 直流控制
- 全方位强力进给传动
- 头箱全封闭结构

Convincing arguments: quality, efficiency and price

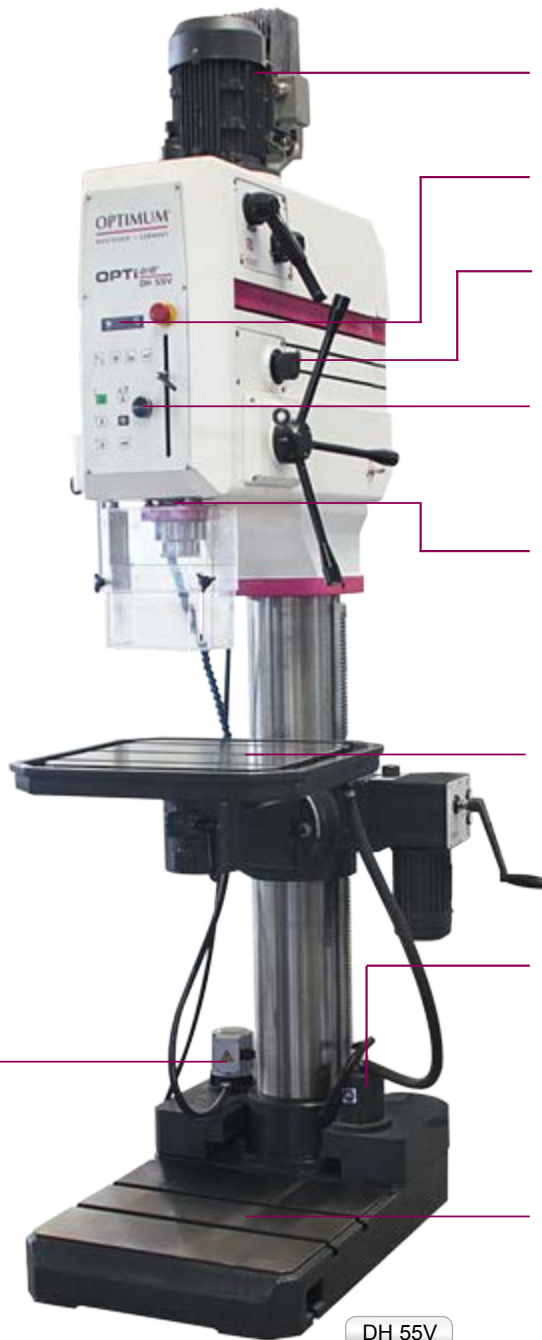
- Heavy, solid cast design
- Continuously adjustable speed control
- High concentricity due to hardened and ground main spindle
- Thread tapping device
- Main switch
- Generously dimensioned, height adjustable protective screen with safety switch for greatest possible user protection
- Drilling depth stop
- 24 V DC electronics
- Mechanical spindle sleeve feed
- Dirt- and water-resistant, easy-to-clean membrane keyboard
- Optional footswitch available for toggling between clockwise/anticlockwise run and for thread tapping
- DC control
- All-round powerful feed transmission
- Headstock with full-closed construction



DH 45V

冷却装置

- 连续的
 - 底座内置冷却箱
 - 冷却箱体积为7升
 - 排量是12升/分钟
- Coolant equipment**
- Serial
 - Coolant tank integrated in the base plate
 - Tank capacity 7 litres
 - Delivery volume 12 l/min.



DH 55V

主轴转速

- 通过机头前部齿轮拨档手柄调速，可调8速90-1520 rpm

Spindle speed

- 8 selectable speeds via gear shifting lever at the front of the drill head 90-1520 rpm

速度显示表

speed display

主轴套筒进给

- 自动
 - 3档，0.1,0.15,0.2毫米/转
- spindle sleeve feed**
- Automatic
 - 3 steps, 0.1,0.15,0.2 mm/rev

正反旋转

- 当攻丝的时候
- Right-/left handed rotation**
- when threading

工作灯：内置在机头内

- Machine lamp**
- Integrated in the drill head

工作台

- 大尺寸
- 结实耐用
- 加工紧密
- 背部强筋加固
- 自动升降

Drilling table

- Largely dimensioned
- Solid
- Precisely worked
- Heavily ribbed at the rear side
- Table with power up & down

过滤器

- 清洁粗糙部件处出来的冷却液
- Chip filter**
- Cleans the coolant from rough components

底座

- 结实耐用
- 带T型槽
- 工作面精加工
- 工作台转向一边即可加工超高尺寸工件

Base plate

- Solid
- Parallel running T-slots
- Precise surface finish
- Usable as a working surface for extra high workpieces due to the rotatable drill table

机床技术参数 /Specification

型号	Model	DH 45V	DH 55V
货号	Item no.	3404500	3405500
电压	Electrical connection	400 V	400 V/50Hz/3ph
电机功率	Motor power	2.2 KW	3 KW
水泵电机功率	Motor coolant pump	0.1 KW	0.1 KW
钢制品(ST60 - E335)切削量	Drilling capacity in steel (ST60 - E335)	Ø40 mm	Ø50 mm
钢制品连续切削量	Continuous drilling capacity in steel	0.15	/
钢制品(ST60 - E335)攻丝量	Threading in steel (ST60 - E335)	M35	M42
主轴行程	Spindle stroke	170 mm	190 mm
主轴类型	Spindle seat	MT4	MT4
主轴中心到立柱表面距离	Throat	350 mm	400 mm
主轴自动走刀	Automatic spindle sleeve feed	3 steps/0.1-0.2 mm/rev	/
主轴转速	Spindle speeds	30-2430 rpm	22-3000 rpm
档位	Number of steps	4 step vario	4 step vario
工作台尺寸	Work surface table length x width	530x530 mm	600x600 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	16 mm/125 mm/3	18 mm/160 mm/3
工作台最大载荷	Load drilling table	250 kg	350 kg
工作台旋转	Drilling table turnable	YES	YES
主轴到工作台(最小/最大)距离	Distance spindle - table (min/max.)	130-725 mm	140-600 mm
主轴到底座(最大)距离	Distance spindle - stand (max.)	1210 mm	1320 mm
底座尺寸	Work surface stand length x width	755x480 mm	910x600 mm
T型槽尺寸/间距/数量	T-slot size / distance / number	18 mm/150 mm/2	18 mm/150 mm/2
立柱直径	Column diameter	150 mm	200 mm
机床尺寸	size(LxWxH)	2280x480x850 mm	1050x860x2580 mm
包装尺寸	packing size(LxWxH)	2540x770x1110 mm	2700x870x1250 mm
净重	N.W	560 kg	907 kg

DRILLING MACHINE

钻床 DRILLING 45/45E

优质、高效、高性价比

- 铸铁结构, 结实耐用
- 铸铁立柱大尺寸、壁厚, 运转平稳、性能稳定
- 通过油泵自动齿轮润滑
- 主轴经济火、精加工, 同心度高
- 齿轮打磨, 保证运转平稳, 性能稳定
- 攻丝机构
- 可锁式主开关, 以及带安全保护的电机开关
- 主轴自动卸刀装置, 换刀简单方便
- Drilling 45 带机械 2 级可调主轴套筒进给
- Drilling 45E 带电磁主轴套筒进给

Convincing arguments: quality, efficiency and price

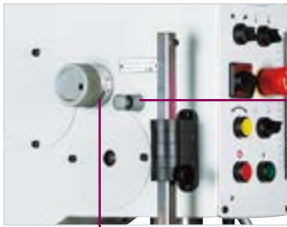
- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned, thick-walled casting column
- Automatic gearwheel lubrication via oil pump
- High true running accuracy due to hardened and ground work spindle
- High smooth running due to grinded gearwheels
- Threading mechanism
- Lockable main switch and protective motor switch
- Spindle locking with integrated drill drift for a simple tool change
- DRILLING 45 with mechanic, 2-fold adjustable spindle sleeve feed
- DRILLING 45E with electromagnetic spindle sleeve feed

主轴转速

- 通过机头前部齿轮换挡手柄调速, 可调9速
- 两级驱动电机
- 18速 50-1'450 rpm

Spindle speed

- 9 selectable speeds via gear shifting lever at the front of the drill head
- Two-stage driving motor
- 18 speeds 50 - 1'450 rpm



内置换刀楔卸刀方便

- 插入换刀楔
 - 按动星形把手向上
 - 锥形心轴退出主轴
- Easy tool change due to integrated drill drift:**
- Insert drill drift
 - Press star grip upwards
 - The taper mandrel is pressed out of the drilling spindle

主轴套筒进给

- 自动
 - 2档, 0.1/0.2毫米/转
- spindle sleeve feed**
- Automatic
 - 2 steps, 0.1/0.2 mm/rev

钻夹头防护罩

- 最大限位保护用户的安全
- 高度可调
- 带微动开

Chuck guard

- Best possible protection of the user
- Height-adjustable
- Micro switch

工作台

- 大尺寸
- 结实耐用
- 加工紧密
- 带T型槽
- 背部强筋加固
- 工作台通过齿条调节高度
- 360度旋转

Drilling table

- Largely dimensioned
- Solid
- Precisely worked
- Transversally running T-slots
- Heavily ribbed at the rear side
- Height-adjustable via toothed rack
- Rotation of 360° through its own axis and about the column

底座

- 结实耐用
- 带T型槽
- 工作面精加工
- 工作台转向一边即可加工超高尺寸工件

Base plate

- Solid
- Parallel running T-slots
- Precisely machined surface
- Usable as a working surface for extra high workpieces due to the rotatable drill table



控制箱

- 布局清晰
- Control cabinet**
- Clearly arranged structure

钻削深度限位

- 使用刻度尺调节
- Drilling depth stop**
- Adjustable using the millimetre scale

正反旋转

- 当攻丝的时候
- Right-/left handed rotation**
- when threading

工作灯: 内置在机头内

- 集成在机头内
- Machine lamp**
- Integrated in the drill head

铸件立柱

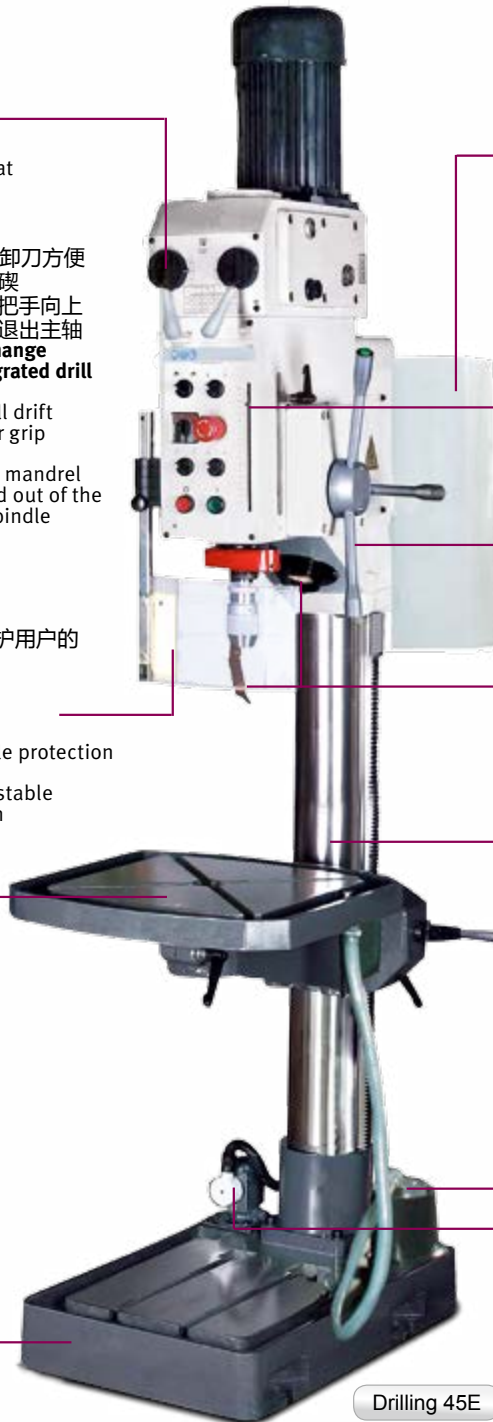
- 厚壁
 - 高强度
 - 稳定可靠
- Casting column**
- Thick-walled
 - High power absorption
 - Stable

过滤器

- 清洁粗糙部件处出来的冷却液
- Chip filter**
- Cleans the coolant from rough components

冷却装置

- 连续的
 - 底座内置冷却箱
 - 冷却箱体积为5升
 - 排量是2升/分钟
- Coolant equipment**
- Serial
 - Coolant tank integrated in the base plate
 - Tank capacity 5 litres
 - Delivery volume 2 l/min.



Drilling 45E

机床技术参数 /Specification

型号	Model	Drilling 45 Drilling 45E
产品编号	Code No.	3304500 3334500
加工范围	CAPACITY	
钻孔直径	Drilling capacity (max.)	ø45 mm
攻丝直径	Threading in steel (max.)	M20
工作范围	WORKING RANGE	
主轴直径	Sleeve diameter	ø75 mm
主轴套筒行程	Sleeve travel	180 mm
主轴	SPINDLE	
主轴锥度	Spindle taper	MT4
主轴中心线至立柱表面距离	Distance spindle-column	350 mm
速度	SPEEDS	
主轴转速	Spindle speeds	50-1450 rpm
转速级数	Number of steps	9 steps
工作台	DRILLING TABLE	
工作台尺寸(长×宽)	Table size(L×W)	560x560 mm
T型槽尺寸	T-slot size	18 mm
主轴端面至工作台面最大距离	Distance spindle-table(max.)	770 mm
底座尺寸(长×宽)	Working surface stand(L×W)	730x405 mm
主轴端面至底座表面最大距离	Distance spindle-stand(max.)	1320 mm
电机	ELECTRIC SUPPLY	
电机功率	Motor	0.85/1.5 KW
外形尺寸及重量	DIMENSIONS AND WEIGHT	
包装尺寸(长×宽×高)	packing size(L×W×H)	2270x690x1100 mm
净重/毛重	Net weight/Gross weight	480/615 kg



DRILLING

标准附件

- 莫氏锥柄钻头 MT4
- 自紧式钻夹头
- Standard accessories
- Morse taper MT4
- Keyless chuck

可选附件

1. 快换钻夹头 MT4/1-16mm
2. 变径套 MT4-MT3
3. 钻接杆 MT4-B16
4. 麻花钻套装 ø1-13mm
5. 夹紧工具 SPW12
6. 攻丝夹头 M5-M12
7. 机用平口钳 MSO 125/150,BMS 150/200, BSI 140/200
8. 脚踏开关

OPTIONAL EQUIPMENT

1. Quick-action drill chuck MT4/1-16 mm
2. Reducing bushes MT 4 - MT 3
3. Drilling chuck taper MT 4 - B16
4. Twist drill kit coated with titanium ø 1-13 mm
5. Clamping tool kit SPW 12
6. Tapping chuck M5-M12
7. Machine vices:MSO 125/150,BMS 150/200,BSI 140/200
8. Foot pedal



DRILLING MACHINE

钻床 DRILLING 50

优质、高效、高性价比

- 铸铁结构, 结实耐用
- 铸铁立柱大尺寸、壁厚, 运转平稳、性能稳定
- 通过油泵自动齿轮润滑
- 主轴经淬火、精加工, 同心度高
- 齿轮打磨, 保证运转平稳, 性能稳定
- 攻丝机构
- 可锁式主开关, 以及带安全保护的电机开关
- 主轴自动卸刀装置, 换刀简单方便
- Drilling 50 带电磁主轴套筒进给

Convincing arguments: quality, efficiency and price

- Heavy, solid cast iron construction
- Smooth running and stability due to a largely dimensioned, thick-walled casting column
- Automatic gearwheel lubrication via oil pump
- High true running accuracy due to hardened and ground work spindle
- High smooth running due to grind-ed gearwheels
- Threading mechanism
- Lockable main switch and protective motor switch
- Spindle locking with integrated drill drift for a simple tool change
- Drilling 50 with electromagnetic spindle sleeve feed

- 钻削深度限位**
- 使用刻度尺调节
 - 毫米尺度
- Drilling depth stop**
- Adjustable
 - Millimetre scale

- 主轴套筒进给**
- 通过手轮
- Spindle sleeve fine feed**
- Via handwheel

- 内置退刀碟**
- 弹射结构, 换刀更简单方便
- Integrated drill drift**
- Easy tool change due to ejection mechanism

- 工作台**
- 大尺寸
 - 结实耐用
 - 加工精密
 - 带T型槽
 - 背部强筋加固
 - 工作台通过齿条调节高度
 - 360度旋转
 - 冷却剂通道
- Drilling table**
- Largely dimensioned
 - Solid
 - Precisely worked
 - Transversally running T-slots
 - Heavily ribbed at the rear side
 - Rotation of 360° through its own axis and about the column
 - Coolant channel

- 底座**
- 工作台转向一边即可加工超高尺寸工件
 - 结实耐用
 - 带T型槽
 - 工作面精加工
- Base plate**
- Usable as a working surface for extra high workpieces due to the rotatable drill table
 - Solid
 - Parallel running T-slots
 - Precisely machined at the surface

- 主轴套筒进给**
- 自动
 - 按动星形手柄上的按钮激活

Spindle sleeve feed

- Automatic
- Infeed is activated by means of push buttons in the star grip



- 深度钻削或打孔时, 自动主轴套筒进给耦合器可在启动主轴进给开关的时候开启或者关闭
- For deep drillings or pocket hole drillings, the coupler of the automatic spindle sleeve feed can be opened or closed at any time by actuating the spindle feed switch

- 钻夹头防护罩**
- 最大限位保护用户的安全
 - 高度可调
 - 带微动开关

Chuck guard

- Best possible protection of the user
- Height-adjustable
- Micro switch

- 新的**
- 电动工作台高度可调
- New**
- Motor table height adjustment

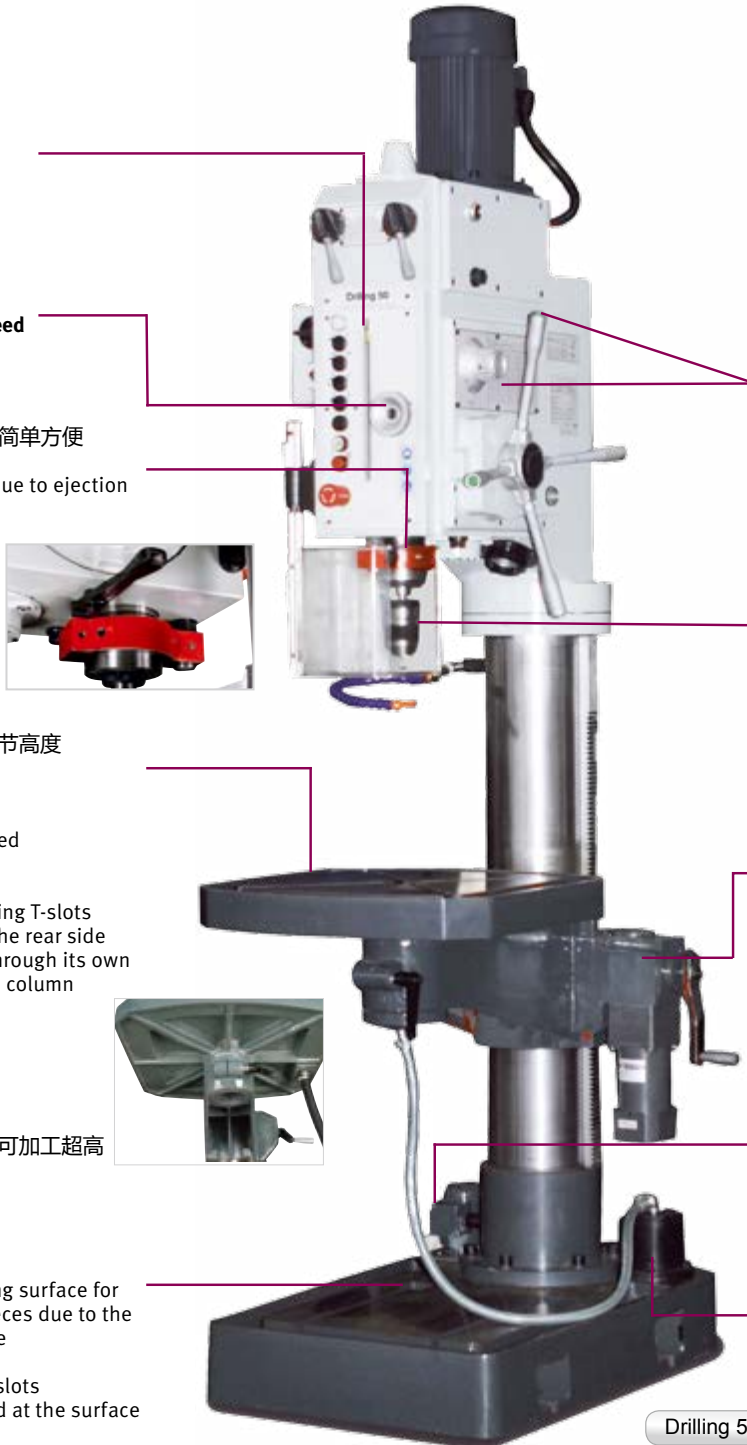
- 冷却装置**
- 连续的
 - 底座内置冷却箱
 - 冷却箱体积为5升
 - 排量是2升/分钟

Coolant equipment

- Serial
- Coolant tank integrated in the base plate
- Tank capacity 5 litres
- Delivery volume 2 l/min.

过滤器

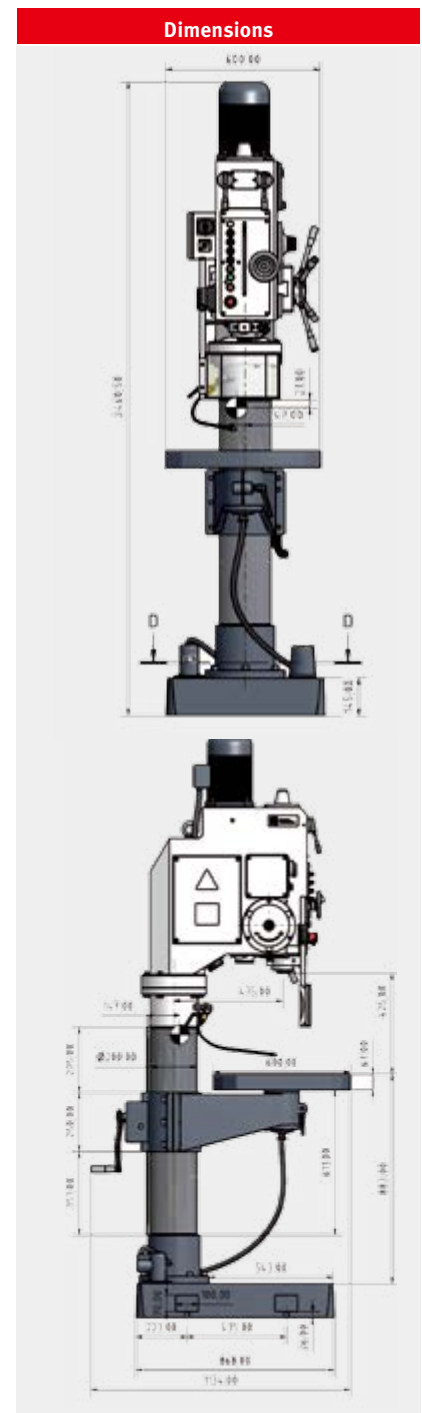
- Chip filter**
- Cleans the coolant from rough components



Drilling 50

机床技术参数 / Specification

型号	Type	Drilling 50
产品编号	Item No	3305000
电器容量	Electrical connection	
主电机功率	Total connected value	3.0 / 2.4 kW 400 V / 3 Ph ~50 Hz
冷却泵电动功率	Motor coolant pump	40 W
加工范围	Drilling capacity	
钻孔直径	Drilling capacity in steel (S235JR)	Ø 50 mm
连续钻孔直径	Continuous drilling capacity in steel	Ø 45 mm
攻丝直径	Thread cutting in steel	M 42
主轴	Spindle seat	
主轴套筒行程	Spindle sleeve stroke	230 mm
主轴锥度	Spindle taper	MT 4
孔径	Throat	Ø375 mm
自动主轴进给	Autom. spindle sleeve feed	6 steps, 0.05/0.3 mm/rev
速度	Speeds	
主轴转速	Spindle speeds	54 - 2090 rpm
转速级数	Number of steps	18 steps
工作台	Drilling table	
工作台尺寸	Work surface table length x width	600 x 600 mm
T型槽尺寸	T-slot size	18 mm
工作台最大负载	Load drilling table	400 kg
工作台旋转	Drilling table slewable	360°
主轴端面至工作台面最大距离	Distance spindle - table (max.)	800 mm
底座工作面尺寸	Working surface stand length x width	600 x 520 mm
主轴端面至底座最大距离	Distance spindle - stand (max.)	1300 mm
尺寸	Dimensions	
立柱尺寸	Column diameter	Ø200 mm
包装尺寸 (长x宽x高)	Length x width x height	1134 x 600 x 2460 mm
总重量	Total weight	950 kg



标准附件

- 莫氏锥柄钻头 MT4
- 钻夹头
- 快换钻夹头 0-16mm
- T型槽

Standard accessories

- Morse taper MT4
- Drill chuck
- Quick-action drill chuck 0-16mm
- T-slots

可选附件

1. 快换钻夹头 MT4/1-16mm
2. 变径套 MT4-MT3
3. 钻接杆 MT4-B16
4. 麻花钻套装 MT3
5. 夹紧工具 SPW16
6. 攻丝夹头 M5-M12

OPTIONAL EQUIPMENT

1. Quick-action drill chuck MT4/1-16 mm
2. Reducing bushes MT 4 - MT 3
3. Drilling chuck taper MT 4 - B16
4. Twist drill kit HSS incl. Morse taper MT3
5. Clamping tool kit SPW 16
6. Tapping chuck M5-M12



RADIAL DRILLING MACHINE

摇臂钻床 DR4/DR5/DR6

优质、高效、高性价比

- 床身厚重结实铸铁制造
- 广泛应用于钻削，铰孔和攻螺纹
- 机头可水平方向调节，工作范围广
- 控制面板上布局合理清晰
- 大尺寸工作台，坚固耐用，精度高
- 回转臂刚性结构，结实耐用
- 主轴电机驱动功率强大，回转臂高度可调
- 回转臂带油槽齿轮箱
- 铬镍钢合金制造的齿轮经淬火和精加工，带来平滑运转

- 且噪音低
- 带有冷却箱的冷却装置，功率大
- 带高精度圆锥滚珠轴承的主轴具备自动刹车功能
- 悬臂导轨经淬火及精加工
- 主轴头电动调节
- 铸铁立柱，壁厚，稳定可靠
- 油脂集中润滑齿轮配件
- 所有导轨均经过淬火和精加工处理
- 通过可调的过载离合器进行主轴套筒进给

Convincing arguments: quality, efficiency and price

- Heavy, solid, high quality castings
- Wide range of applications drilling, reaming, threading
- Working range by horizontally adjustable machine head
- Clearly arranged control panel
- Solid, precise drilling table, dimensioned
- Durable, rigid construction of the arm
- Height adjustment of the arm is powerful spindle motor drive
- Oil bath gearbox of the arm
- Hardened gears made of chrome-nickel steel and precision-ground, in quiet and smooth running

- in the machine base with coolant tank
- Spindle with precision tapered roller bearings with automatic spindle brake
- Arm guideways hardened and precision ground
- Motorized adjustment of spindle head
- Thick-walled steel column for and stability
- Gear parts are supplied by central lubrication with grease
- Hardened and ground guideways
- Spindle sleeve feed with an adjustable overload clutch



DR 4



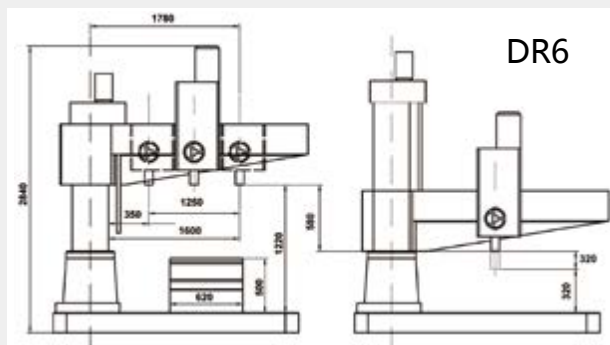
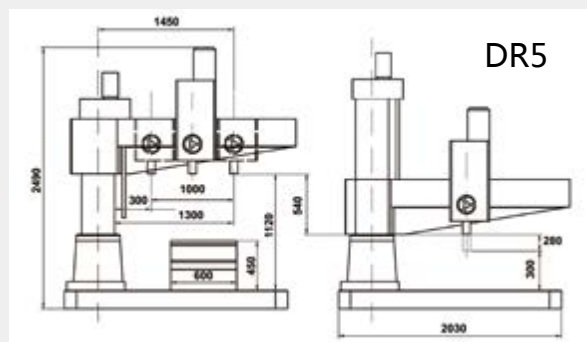
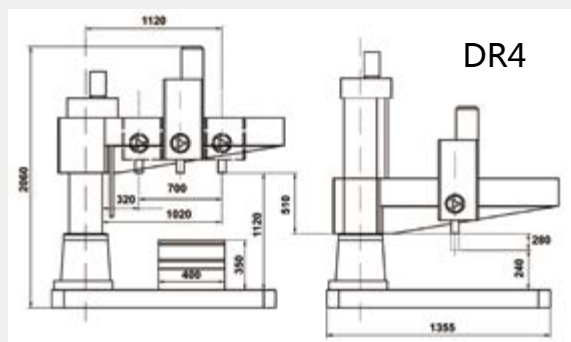
DR 5

机床技术参数 /Specification

型号	Model	DR 4	DR 5	DR 6
货号	Item no.	3703280	3704080	3705080
电器容量	Electrical connection			
主电机功率	Power main motor	1,5 Kw	3 Kw	4 Kw
升降电机功率	Lifting motor	0,75 Kw	1,1 Kw	1,1 Kw
加工范围	Drilling capacity			
钻孔能力	Drilling capacity in steel (S235JR)	40 mm	40 mm	50 mm
持续钻孔能力	Continuous drilling cap. steel (S235JR)	36 mm	36 mm	46 mm
攻丝能力	Tapping capacity	M30	M30	M36
主轴	Spindle seat			
套筒行程	Throat	240 mm	280 mm	315 mm
主轴锥度	Spindle seat	MK 4	MK 4	MK 5
主轴套筒进给	Spindle sleeve feed	3 steps/0,1 - 0,25 mm/rev	8 steps/ 0,1 - 1,25 mm/rev	16 steps/ 0,04 - 3,2 mm/rev
转速	Speeds			
主轴转速	Spindle speeds	75 - 1220 rpm	32 - 2500 rpm	25 - 2000 rpm
转速级数	Number of steps	6	16	16
工作台	Drilling table			
工作台尺寸	Working surface table Lengthxwidth	1370 x 700 mm	940 x 600 mm	1700 x 980 mm
方型工作台尺寸	Working table cube table	400 x 400 x 350 mm	600 x 450 x 450 mm	630 x 500 x 500 mm
主轴端面至工作面最大距离	Distance spindle - table (max.)	860 mm	1150 mm	1250 mm
主轴轴线至表面距离	Distance spindle - column (max.)	1020 mm	1300 mm	1600 mm
钻头行程 (水平)	Travel drilling head (horizontal)	700 mm	1000 mm	1250 mm
摇臂行程 (竖直)	Travel of arm (vertical)	510 mm	550 mm	600 mm
立柱直径	Column diameter	200 mm	280 mm	350 mm
尺寸	Dimensions			
长x宽x高	Length x width x height	1750 x 770 x 2100 mm	1940 x 750 x 2010 mm	2600 x 1120 x 2600 mm
总重量	Total weight	1200 kg	2500 kg	3500 kg

DRILLING

Dimensions



DM 35 / DM 50 / DM 35PF

Premium magnetic core drill machine offers maximum feature set. DM 35PF with automatic spindle sleeve feed and return

- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ High magnetic holding force
- ▶ Overload protection
- ▶ Soft-start is gentle on the motor and prolongs the service life
- ▶ Automatic internal lubrication, the coolant is routed directly to the tip of the core bit
- ▶ High-quality mechanical design
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Internal self-lubrication function for a longer service life of the gear unit
- ▶ Magnetic foot has a wear-proof design to extend the service life of the magnetic base and thus the maximum magnetic holding force

DM 35PF

- ▶ MT collet for core bits with Weldon shank
- ▶ Spindle sleeve feed
- ▶ Return to starting position
- ▶ Quick clamping chuck in standard scope of delivery

Motor

- › Powerful motor with high torque and low-maintenance

Coolant tank

- › Detachable coolant tank
- › External fastening
- › Well-designed and practical

Guides

- › Safe guides for stability and precision

Housing

- › Compact and robust

Handles

- › Ergonomic and rugged handles for "balanced" holding/fastening of the machine.
- › Rugged crank handle

DM 35PF only

- › Spindle sleeve feed
- › Controlled return to starting position



DM 35PF only
› Quick release chuck



Fig. DM 50

Fig. DM 35PF

Technical data and accessories

Model	DM 35	DM 50	DM 35PF
Article no.	3603500	3605000	3613500
Technical specifications			
Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
Motor output	1.6 kW	1.7 kW	1.6 kW
Drilling performance			
Core drilling bit Ø max.	Ø 35 mm	Ø 50 mm	Ø 35 mm
Core drilling depth max.	35 mm	50 mm	35 mm
Full drilling bit Ø max. with direct fittable full drill bit	Ø 13 mm	Ø 13 mm	-
Spindle holder			
Shank	-	-	Weldon shank
Spindle holder	-	-	MT 2
Magnetic foot			
Magnetic foot dimensions	166 x 80 mm	166 x 80 mm	166 x 80 mm
Magnetic attraction force	13.8 kN	14.5 kN	16 kN
Speeds			
Speed without load	900 rpm	750 rpm	900 rpm
Dimensions			
Length x width x height	255 x 280 x 410 / 470 mm		220 x 250 x 380 - 530 mm
Weight	10.5 kg	10.6 kg	14 kg

DRILLING

Scope of delivery

- › Coolant tank
- › Safety belt
- › Tool
- › DM 35 PF quick release chuck



- Transport case (DM 35/DM 50)
- Metalbox (DM 35PF)
- › For convenient transport and optimum protection

Core bit set HSS-TiAlN 30

five HSS and one TiAlN core bit
6-part

- For testing, including one 18 mm core bit featuring our highest quality level with TiAlN coating for a long service life and excellent cutting properties
- Set in a practical plastic case



Core bit set HSS-TiAlN 30

3072010

- › Five HSS-Core bit Ø 12, 14, 16, 20, 22 mm
- › One TiAlN-Core bit Ø 18 mm, length 25 mm
- › 1 ejector pin

Core bit set TiAlN 30

core bits with hard and smooth TiAlN coating
6-part

- TiAlN coating for a long service life and excellent cutting properties
- Set in a practical plastic case



Core bit set TiAlN 30

3072020

- › Six TiAlN-Core bit Ø 12, 14, 16, 18, 20, 22 mm
- › 1 ejector pin

DM 35V / DM 50V

Premium magnetic core bit drilling machines with continuously variable speed control offer maximum feature set

- ▶ High performance with a compact size and low weight
- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ With cooling - coolant is routed through the drill
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Safe and reliable function
- ▶ Internal self-lubrication function ensures a longer service life of the gear unit.
- ▶ High magnetic holding force
- ▶ Magnetic foot has a wear-proof design to extend the service life of the magnetic base and thus the maximum magnetic holding force



Fig. DM 35V

Scope of delivery

- › Transport case
- › Operating tool
- › Safety belt
- › Quick release chuck

Model	DM 35V	DM 50V
Article no.	3643500	3645000
Technical specifications		
Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
Motor output	1.55 kW	1.7 kW
Drilling performance		
Core drilling bit Ø max.	Ø 35 mm	Ø 50 mm
Core drilling depth max.	35 mm	50 mm
Full drilling bit Ø max. with direct fittable full drill bit	Ø 13 mm	Ø 13 mm
Magnetic foot		
Magnetic foot dimensions	166 x 80 mm	166 x 80 mm
Magnetic attraction force	14.8 kN	15.6 kN
Speeds		
Speed without load	100 - 800 rpm Continuously variable	100 - 670 rpm Continuously variable
Dimensions		
Length x width x height	255 x 280 x 410 / 470 mm	
Weight	10.8 kg	11 kg

Arguments, etc.



Motor

- › Powerful motor with high torque and low-maintenance



Guides

- › Safe guides for stability and precision



Control panel

- › Ergonomic switch arrangement avoids confusion



Handles

- › Ergonomic and rugged handles for "balanced" holding/fastening of the machine.
- › Rugged crank handle



Quick clamping chuck

- › For fast tool change

Accessories

Core bit set HSS-TiAlN 30

- › Five HSS core bits and one TiAlN core bit

Core bit set TiAlN 30

- › Six TiAlN core bits

DM 36VT

Powerful multifunctional magnetic core drilling machine with thread tapping function for professional deployment in industry and trades.

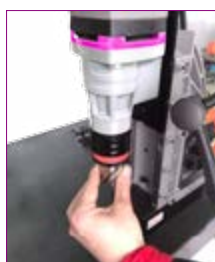
- ▶ Safe switch arrangement
- ▶ Oil gearbox for long service life
- ▶ Dual dovetail guides
- ▶ Direction of rotation change through electronic pushbutton
- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ High magnetic holding force
- ▶ Automatic internal lubrication, the coolant is routed directly to the tip of the core bit
- ▶ High-quality mechanical design
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Safe and reliable function
- ▶ MT collet for core bits with Weldon shank



Fig. DM36VT

Model	DM 36VT
Article no.	3643600

Technical specifications	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor output	1.55 kW
Drilling performance	
Core drilling bit Ø max.	Ø 36 mm
Core drilling bit depth max.	35 mm
Spiral drilling bit Ø max.	Ø 18
Thread tapping bit Ø max.	M15
Drilling depth/Core drilling	max. 35 mm
Spindle holder	
Shank	Weldon shank
Spindle holder	MT 2
Magnetic foot	
Magnetic foot dimensions	166 x 80 mm
Magnetic attraction force	14.2 kN
Speeds	
Speed without load	100 - 340/640 rpm Continuously variable
Dimensions	
Length x width x height	220 x 250 x 380 - 530 mm
Weight	16.8 kg



▶ Quick clamping drill chuck included



Transport case
▶ For convenient transport and optimum protection

Scope of delivery

- ▶ Transport case
- ▶ Coolant tank
- ▶ Safety belt
- ▶ Tool
- ▶ Quick release chuck

Multifunctional



▶ Thread tapping



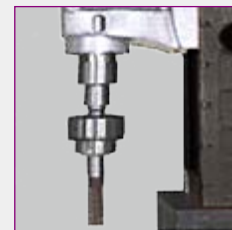
▶ Countersinking



▶ Spiral drilling



▶ Core drilling



▶ End milling cutters

DM 60V / DM 98V

Magnetic core drilling machine with continuously variable speed,
when you need reliability, precision and economy at work

- ▶ Safe switch arrangement
- ▶ All frames made of pressure cast magnesium, light weight.
- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ High magnetic holding force
- ▶ Automatic internal lubrication, the coolant is routed directly to the tip of the core bit
- ▶ High-quality mechanical design
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Internal self-lubrication function ensures a longer service life of the gear unit

Motor

- › Powerful motor with high torque and low-maintenance

Guides

- › Safe guides for stability and precision

Coolant tank

- › Detachable coolant tank
- › External fastening
- › Well-designed and practical

Handles

- › Ergonomic and rugged handles for "balanced" holding/fastening of the machine.
- › Rugged crank handle

Spindle holder

- › MT collet
- › Weldon shank

Speed setting

- › continuously variable



- › Quick clamping drill chuck included



Fig. DM60V

Technical data and accessories

Model	DM 60V	DM 98V
Article no.	3646000	3649800
Technical specifications		
Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
Motor output	1.89 kW	2.18 kW
Drilling performance		
Core drilling bit Ø max.	Ø 60 mm	Ø 98 mm
Core drilling bit depth max.	50 mm	75 mm
Spiral drilling bit Ø max.	Ø 23 mm	Ø 28 mm
Spindle holder		
Shank	Weldon shank	Weldon shank
Spindle holder	MT 2	MT 3
Magnetic foot		
Magnetic foot dimensions	202 x 103 mm	202 x 103 mm
Magnetic attraction force	16 kN	17 kN
Speeds		
Speed without load	100 - 430 rpm Continuously variable	100 - 380 rpm Continuously variable
Dimensions		
Length x width x height	240 x 330 x 450 - 650 mm	240 x 330 x 450 - 650 mm
Weight	18.3 kg	18.5 kg

Scope of delivery
> Transport case
> MT collet
> Coolant tank
> Safety chain
> Quick release chuck
> Tool



Transport case
> For convenient transport and optimum protection

Core bit set HSS-TiAlN 30

five HSS and one TiAlN core bit
6-part

- For testing, including one 18 mm core bit featuring our highest quality level with TiAlN coating for a long service life and excellent cutting properties
- Set in a practical plastic case



Core bit set HSS-TiAlN 30

- > **Five HSS-Core bit** Ø 12, 14, 16, 20, 22 mm
- > **One TiAlN-Core bit** Ø 18 mm, length 25 mm
- > **1 ejector pin**

Core bit set TiAlN 30

core bits with hard and smooth TiAlN coating
6-part

- TiAlN coating for a long service life and excellent cutting properties
- Set in a practical plastic case



Core bit set TiAlN 30

- > **Six TiAlN-Core bit** Ø 12, 14, 16, 18, 20, 22 mm
- > **1 ejector pin**

DM 50PM

Magnetic core drilling machine with permanent magnet impresses with amazing drilling performance

- ▶ Permanent magnet - independent of power source and thus 100% safe
- ▶ Magnetic foot with high holding force supports work on vertical surfaces and overhead
- ▶ Safe switch arrangement
- ▶ Stable drilling guidance thanks to long and especially deep mounted spindle sleeve holder
- ▶ Device is earthed and double insulated, hence ideal for building sites
- ▶ Soft-start is gentle on the motor and prolongs the service life
- ▶ Automatic internal lubrication, the coolant is routed directly to the tip of the core bit
- ▶ High-quality mechanical design
- ▶ Conversion from core to full drilling in just a few actions
- ▶ Internal self-lubrication function ensures a longer service life of the gear unit.
- ▶ MT collet for core bits with Weldon shank
- ▶ External coolant tank for easy metering of internal core bit cooling
- ▶ Carrying handle for convenient carrying and lifting



Metalbox
 › For convenient transport and optimum protection



Fig. DM 50PM

Model	DM 50PM
Article no.	3615000
Technical specifications	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor output	1.7 kW
Drilling performance	
Core drilling bit Ø max.	Ø 50 mm
Bit depth max.	50 mm
Spindle holder	
Shank	Weldon shank
Spindle holder	MT 2
Magnetic foot	
Magnetic foot dimensions	165 x 83 mm
Magnetic attraction force	16.5 kN
Speeds	
Speed without load	750 rpm
Dimensions	
Length x width x height	220 x 250 x 380 - 530 mm
Weight	11.7 kg

Scope of delivery

- › Metalbox
- › Coolant tank
- › Safety belt
- › Tool

Accessories

Core bit set HSS-TiAlN 30

- › Five HSS core bits and one TiAlN core bit

Core bit set TiAlN 30

- › Six TiAlN core bits

Arguments, etc.



Permanent magnet
 › Independent of power source and thus 100% safe



Coolant tank
 › Detachable coolant tank
 › External fastening
 › Well-designed and practical



Switch arrangement
 › Clear cut controls

DM 38VF

The magnetic drilling machine for working in cramped conditions.

Impresses with compact and smart design

- ▶ The spur gear is designed for continuous operations
- ▶ Ideal for steel construction work, vehicle manufacturing, mechanical engineering, etc.
- ▶ High magnetic holding force for safe work
- ▶ Ergonomic single-handed operation thanks to clear-cut arrangement of controls
- ▶ Features safety belts for vertical or overhead applications as standard



Transport case
 > For convenient transport and optimum protection

Fig. DM 38VF

Model	DM 38VF
Article no.	3643800
Technical specifications	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor output	1.65 kW
Drilling performance	
Core drilling bit Ø max.	Ø 38 mm
Core drilling depth max.	Ø 35 mm
Magnetic foot	
Magnetic foot dimensions	156 x 80 mm
Magnetic attraction force	14.5 kN
Speeds	
Speed without load	100 - 500 rpm Continuously variable
Dimensions	
Length x width x height	250 x 350 x 240 mm
Weight	8.8 kg

Arguments, etc.



Pluggable handle
 > can be fitted on the left or right side of the machine as required



Magnetic holding force
 > Powerful magnet with 14.5 kN holding force



Compact
 > Machine weighs 8.8 kg
 > Practical dimensions, only 250x350x240 mm

Scope of delivery

- > Transport case
- > Tool

Accessories

Core bit set HSS-TiAlN 30

- > Five HSS core bits and one TiAlN core bit

Core bit set TiAlN 30

- > Six TiAlN core bits

ELECTR-MAGNETIC BASE DRILL

磁座钻 MBD 19/25/38



MBD 19



MBD 25



MBD 38

机床技术参数 /Specification

型号	MBD19	MBD25	MBD38
Model	MBD19	MBD25	MBD38
产品编号	3601900	3602500	3603800
Code No.	3601900	3602500	3603800
钻孔直径	Ø19 mm	Ø23 mm	Ø32 mm
Max.drilling capacity	Ø19 mm	Ø23 mm	Ø32 mm
额定转速	350 r/min	330 r/min	150 r/min
Rated speed	350 r/min	330 r/min	150 r/min
额定电压	220 V	220 V	380 V
Rated voltage	220 V	220 V	380 V
额定频率	50 Hz	50 Hz	50 Hz
Rated frequency	50 Hz	50 Hz	50 Hz
额定输入功率	850 W	1100 W	1600 W
Rated output power	850 W	1100 W	1600 W
最大行程	180 mm	180 mm	220 mm
Max.travel	180 mm	180 mm	220 mm
电磁铁吸力	11000 N	13000 N	16000 N
Electromagnetism	11000 N	13000 N	16000 N
包装尺寸	410x200x510 mm	410x200x510 mm	530x280x680 mm
Packing size	410x200x510 mm	410x200x510 mm	530x280x680 mm
净重	30 kg	30 kg	50 kg
Net weight	30 kg	30 kg	50 kg

可选附件 OPTIONAL EQUIPMENT



OPTIMUM quick-action drill chuck

- True running accuracy ≤ 0.06 mm

0 - 8 mm; B16	305 0608	
0 - 10 mm; B16	305 0610	
0 - 13 mm; B16	305 0623	
0 - 16 mm; B16	305 0626	



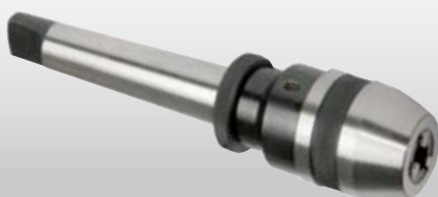
ROHM Quick-action drill chuck

1 - 13 mm; B16	305 0656	
3 - 16 mm; B16	305 0657	



OPTIMUM Direct quick-action drill chuck

MT 2 1 - 13 mm	305 0572	
• up to 8'000 min ⁻¹		
MT 2 1 - 16 mm	305 0571	
• up to 6'000 min ⁻¹		
MT 3 1 - 16 mm	305 0573	
• up to 6'000 min ⁻¹		
MT 4 1 - 16 mm	305 0574	
• up to 6'000 min ⁻¹		



Reducing bushes

MT 3 - MT 2	305 0663	
MT 4 - MT 3	305 0664	
MT 4 - MT 2	305 0665	



Morse taper

MT 2 - B16	305 0659	
MT 3 - B16	305 0660	
MT 4 - B16	305 0661	
MT 5 - B16	305 0675	
MT 6 - B16	305 0676	



Extension bushings

MT 2 - MT 3	305 0667	
MT 3 - MT 4	305 0668	



Tapping chuck M5 - M12

335 2042

- Integrated quick return, immediately effective when changing the feed direction
- Sliding clutch 4-stage adjustable
- With seat B16

Standard equipment:

- 2 flexible collets
- 2 open-end wrenches
- 1 Allen key



Twist drill kit 25-pieces

305 1010

- Coated with titanium
- Sizes 1 - 13 mm
- Higher service life and durability
- Higher hardness than hard metal
- More rapid working results
- Lower wear



Twist drill kit HSS incl. Morse taper

- 9 pieces; Sizes 14,5/16/18/20/22/24/26/28/30 mm

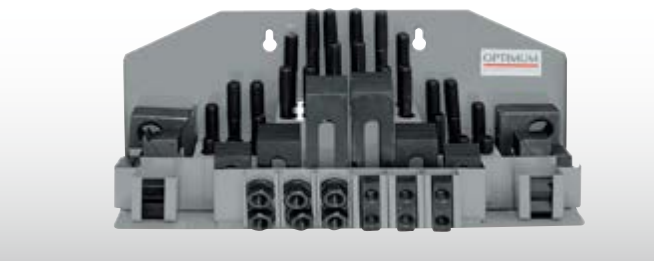
Twist drill MT 2	305 1002	
Twist drill MT 3	305 1003	



Clamping tool kit SPW 58 pcs

- Practical wall bracket
- 24 pcs draw-in bolts
- 4 pcs elongation nuts
- 6 pcs step blocks
- Metric threads
- 6 pcs T-slots
- 6 pcs nuts
- 12 pcs clamping blocks

SPW 8	335 2015	
• T-slots 10 mm . Draw bar thread M 8		
SPW 10	335 2016	
• T-slots 12 mm . Draw bar thread M 10		
SPW 12	335 2017	
• T-slots 14 mm . Draw bar thread M 12		
SPW 14	335 2018	
• T-slots 16 mm . Draw bar thread M 14		
SPW 16	335 2019	
• T-slots 18 mm . Draw bar thread M 16		



Coolant equipment



Model	Art. Po18/230V	Art. Po18/400V
Code No.	1922002	1922003
Rated voltage	230 V / 50 Hz	400 V / 50 Hz
Rated current	0.24 A	0.23 A
power	40 W	40 W
Speed	2800 r/min	2800 r/min
Insulation class	E	E
Protection grade	IP 44	IP 44
The scope of	22 l/min	22 l/min
Prevalence	3 m	3 m

Universal coolant equipment

- Delivery height max. 2.5 m
- Delivery volume 8 l/min
- Tank capacity 11 l
- Tank size L x W x H: 370 x 245 x 170 mm
- Complete including tank, flexible tube, hose
- With switch-plug combination
- Magnetic anchoring
- For self-assembly

Universal coolant equipment 230 V/1 Ph	335 2002	
Universal coolant equipment 400 V/3 Ph	335 2001	



Coolant lubricant sprayer MMC1

335 6663

- Magnetic stand
- Foot size L x W x H: 62 x 50 x 55 mm
- Connecting coupling for external compressed air supply
- Magnetic stand holding force 75 kg
- Flexible and rigid hose
- Length of the coolant hose 500 mm



Coolant hose KMS 2	335 6660
<ul style="list-style-type: none"> • Two variable coolant hoses made of individual plastic elements • Not electroconductive • Magnetic stand holding force up to 50 kg • Length of the coolant hoses 335 mm • Flexible and stable • Resistant against most solvents and chemicals • Universally applicable on all machine tools 	



Cone drill drift	
MSP 1 for MT 1 - MT 3	305 0636
MSP 2 for MT 4 - MT 6	305 0637



LED - Machine lamp 3-500	335 1010
<ul style="list-style-type: none"> • Energy saving • Durable LED lamp • High positioning stability • Coated articulated arm with a length of 500 mm • Optimum mobility of the articulated arm • Cable length 1.2 m • Illumination temperature 4000 - 4500 K • Protection class IP 65 • 24 V illuminant • 9 watts/230 V connection 	



Cross table KT	
<ul style="list-style-type: none"> • Coolant channel • Adjustable dovetail guide • Adjustable handwheel scaling with a division of 0.05 mm 	
KT 120	335 6595
KT 179	335 6596
KT 180	335 6591
KT 210	335 6600

Technical data		KT 120	KT 179	KT 180	KT 210
Length	mm	506	748	945	1'065
Width	mm	400	483	483	555
Height	mm	140	148	169	200
T-slot size	mm	10	12	12	14
Table length	mm	400	500	700	730
Table width	mm	120	180	180	210
Load of cross table	kg	40	55	55	80
Pedestal width	mm	220	274	274	280
Pedestal length	mm	280	340	340	362
Travel X axis	mm	220	280	480	480
Travel Y axis	mm	165	175	175	210
Net weight	kg	22	32	49	84

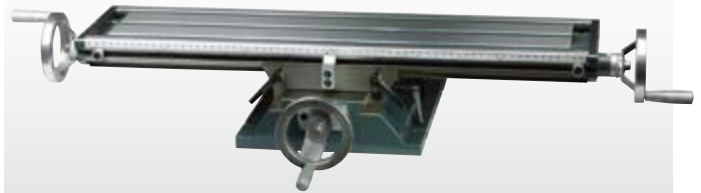
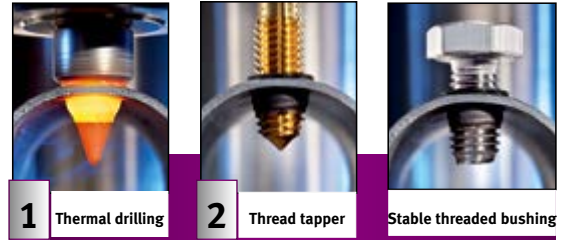


Fig.: KT 180

Threaded bushings that no longer wobble!


In friction drilling, the friction heat from the existing material is used to create an anti-twist protected bushing without material removal in which a thread is then tapped.




- **No worries about working loose or turning**
saves time-consuming drilling out and avoids complaints
- **Easy assembly**
on virtually any upright drilling machine
- **Huge cost savings**
compared with rivet nuts, only two steps
- **Quality - Made in Germany**

You require

1 Thermal drill



SHAPE
For bushes with collar




CUT
For bushes without collars

- Suitable for aluminium, non-ferrous metal, steel and stainless
- Made of solid carbide with a special polygon grind

Size	Design	Max. material thickness [mm]	Art. no.	Max. material thickness [mm]	Art. no.
M4	short	1,5	3060104	2,0	3060164
	long	2,5	3060124	4,0	3060144
M5	short	2,0	3060105	3,0	3060165
	long	3,0	3060125	4,5	3060145
M6	short	2,0	3060106	3,0	3060166
	long	3,5	3060126	5,0	3060146
M8	short	2,5	3060108	4,0	3060168
	long	4,0	3060128	6,0	3060148
M10	short	2,5	3060110	4,0	3060170
	long	4,5	3060130	6,5	3060150
M12	short	2,5	3060112	4,0	3060172
	long	4,5	3060132	6,5	3060152

2 Thread tapper




with TiN coating and lubricant grooves tolerance 6HX Form C

- Legacy tool fittings can be used

Size	Art. no.
M4 x 0,7	3060184
M5 x 0,8	3060185
M6 x 1,0	3060186
M8 x 1,25	3060188
M10 x 1,25	3060190
M12 x 1,25	3060192

3 Basic equipment



Contains everything you need to get started with the THERMDRILL right away

Seats	Art. no.
MK2	3060005

Contents:
 Tool holder with cooling ring MT 2ER 32
 4 pcs. Spring collets (Ø 6/8/10/12 mm)
 Reduction sleeve MT 3 - MT 2
 THERMDRILL Paste 100 g
 Thread tapping oil 100 ml
 Open-ended spanner
 Hook wrench
 Case



Other thread sizes available (also in metric fine and pipe threads)

Tool set = Thermal drill + thread tapper

Type SHAPE				Type CUT	
Size	Design	Max. material thickness [mm]	Art. no.	Max. material thickness [mm]	Art. no.
M4	short	1,5	3060024	2,0	3060044
	long	2,5	3060034	4,0	3060054
M5	short	2,0	3060025	3,0	3060045
	long	3,0	3060035	4,5	3060055
M6	short	2,0	3060026	3,0	3060046
	long	3,5	3060036	5,0	3060056
M8	short	2,5	3060028	4,0	3060048
	long	4,0	3060038	6,0	3060058
M10	short	2,5	3060030	4,0	3060050
	long	4,5	3060040	6,5	3060060
M12	short	2,5	3060032	4,0	3060052
	long	4,5	3060042	6,5	3060062

THERMDRILL Paste

Thread tapping oil

Container	Article no.	Container	Article no.
For friction drilling including brush		Including brush	
1 kg	3060090	1 Litres	3060092
 <p>Protects the thermal drill against excessive</p>		 <p>High-performance oil, specially suited for thread tapping in aluminium, copper, brass, steel, stainless</p>	

Other thread sizes available (also in metric fine and pipe threads)

不再摆动的螺纹衬套

在摩擦钻孔的时候，现有材料产生的摩擦热可用来生成抗扭曲避防护衬套，而攻螺纹的时候不用移动材料。



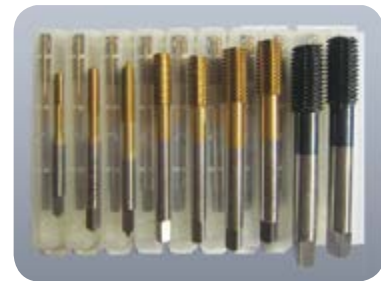
- 不用担心松掉或转动
节省大量的钻孔时间，避免客户抱怨
- 装配方便
实际上可用
- 节省大量费用
和铆螺母相比，仅两步

套装热钻 / Thermal drill kit

1 热熔钻头 /Thermdrill



2 挤压丝锥 /Tap threader



热熔钻 孔径 MM	转速 RPM		主电机功 率 KW	转速 RPM			主电机 功率 KW
	钢	不锈钢		铜	黄铜	铝	
4.0-4.9	2800	2500	1	3900	4500	5600	1.5
5.0-5.9	2800	2500	1	3900	4500	5600	1.5
6.0-6.9	2800	2500	1.2	3900	4500	5600	1.8
7.0-7.9	2500	2100	1.5	3500	4000	5000	2.2
8.0-8.9	2500	2100	1.5	3500	4000	5000	2.2
9.0-9.9	2200	1900	1.8	3100	3500	4400	2.7
10.0-10.9	2000	1800	2	2800	3200	4000	3
11.0-11.9	2000	1800	2	2800	3200	4000	3
12.0-12.9	2000	1800	2	2800	3200	4000	3

规格	精度	切削锥长	全长	螺纹长	劲长	柄径	方长	方宽	形状
Thread size	TAP Limit	ec	L	e	en	D	ek	K	Type
M4×0.7	RH6/RH7	4P	52	10	20	5	7	4	5
M4×0.7		2P	52	10	20	5	7	4	6
M5×0.8	RH6/RH7	4P	60	11	22	5.5	7	4.5	5
M5×0.8		2P	60	11	22	5.5	7	4.5	6
M6×1	RH7	4P	62	10	24	6	7	4.5	5
M6×1		2P	62	10	24	6	7	4.5	6
M8×1.25	RH7	4P	70	12	/	6.2	8	5	7
M8×1.25		2P	70	12	/	6.2	8	5	7
M10×1.5	RH7	4P	75	15	/	7	8	5.5	7
M10×1.5		2P	75	15	/	7	8	5.5	7
M12×1.75	RH8	4P	82	17	/	8.5	9	6.5	7
M12×1.75		2P	82	17	/	8.5	9	6.5	7

3 热钻套盒 /Thermdrill box



- 工具配置：
1. 热熔钻头
2. 散热刀柄
3. 夹头
4. 专用扳手
5. 热熔膏
6. 专用铜刷
7. 攻丝油
8. 挤压丝锥
- Tools：
1. Thermdrill
2. Tool holder
3. Collet ER
4. Wrench for exclusive use
5. Paste for Thermdrill
6. Brass brush for exclusive use
7. Tapping Oil
8. Tap threader

4 热熔膏 /Paste for Thermdrill



进口热熔膏
Imported paste for Thermdrill

热熔膏
Paste for Thermdrill

进口钻孔油
Imported tapping Oil

LATHE MACHINE

OPTIMUM

TU1503V/TU1804V	D2
TU2004V	D3
TU2304/2304V	D5
TU2404/2404V/2406V	D7
TU2506/2506V/2807/2807V..	D9
D320x630/920	D11
TU3209V.....	D13
D330x1000	D15
D360x1000	D17
TU3610V	D19
D420x1000/1500	D21
TU4210V	D23
TM3110	D25
TM4010	D27
TX4412/TX5216/TX6222.....	D29

TOPTECH

TURNER 140/TURNER 180.....	D31
TURNER 210(V)/250F(V)	D33
TURNER 240(V)/280F(V)	D35
TURNER 250M(V)/280M(V) ...	D37
TU2907.....	D39
TU3008/TU3008V.....	D40
TU3008G	D41
TURNER 320/360L/3610	D43
TURNER 360/380H.....	D45
TURNER 400x1000	D47
TURNER 400L.....	D49
TURNER 420x1000/1500	D51
TURNER 410/460/510/560....	D53
TURNER 530/600/680	D55
TURNER 660/800	D57
Turner 800H/1000H/1200H..	D59
Turner 1000HD/1200HD.....	D61
Turner 1400HM/1600HM	D63
Turner 1600HI/1800HI	D65
Turner 1280HH/1480HH/1680HH /1980HH/2080HH	D67
Turner 1600HH/1800HH/2000HH	D69
Toolmaxx.....	D71

The new compact lathe with electronically adjustable speed. Perfect for the model maker

Convincing arguments: quality, efficiency and price

- DC motor
- Ribbed prism bed made of grey cast iron, inductively hardened and ground
- Hardened and ground bed guideways
- Guaranteed true running accuracy of the spindle nose better than 0.015 mm
- True running accuracy - Lathe chuck max 0.05 mm
- With leading spindle for threading or automatic longitudinal turning
- With longitudinal slide, cross slide and top slide
- Automatic longitudinal/leading spindle drive
- Right-/left-handed rotation switchable on the control panel
- Lathe chuck protection with microswitch
- Handwheels with adjustable precision scaling of 0.04/0.01 mm
- Double tool holder
- All guideways adjustable via V-ledges free of play
- Comprehensive accessory
- Emergency stop push button
- Low power electronics
- Acceptance certificate

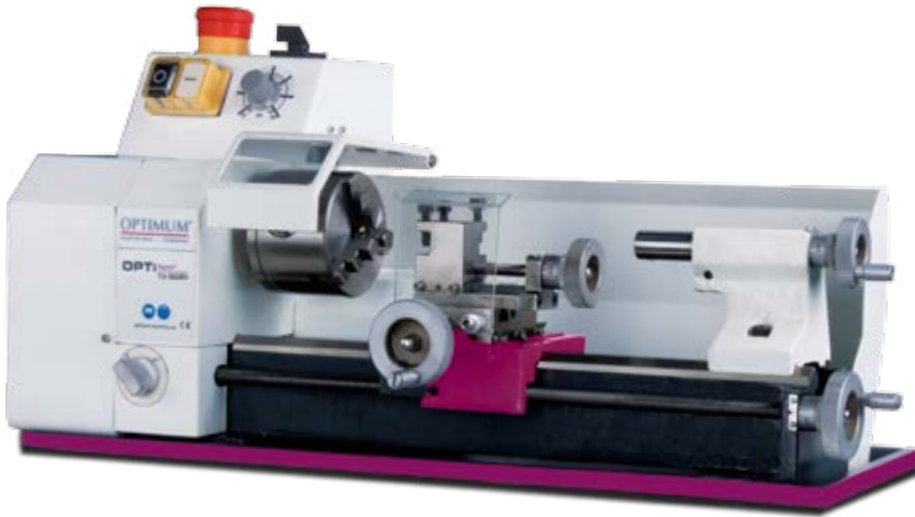


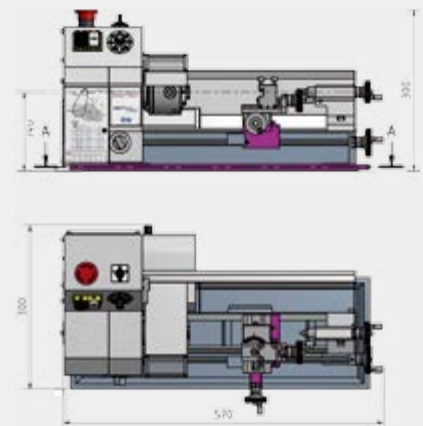
Fig.: TU 1503V

Convincing arguments...



- Wide range of threading due to change gear kit
- Simple and rapid speed change via V-belt

Dimensions



Type	TU 1503V	TU 1804V
Item No	342 0260	3420280
Machine datas		
Electrical connection	230 V / 1 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
Motor power	450 W	450 W
Working areas		
Centre height	75 mm	90 mm
Centre width	250 mm	400 mm
Turning diameter (max.)	150 mm	180 mm
Bed width	70 mm	70 mm
Speeds		
	120 - 3'000 min ⁻¹	120 - 3'000 min ⁻¹
Number of steps	Electronically adjustable speed	Electronically adjustable speed
Headstock		
Spindle taper	MT 1	MT 1
Spindle drilling	Ø 11 mm	Ø 11 mm
Slide		
Travel top slide	40 mm	40 mm
Travel cross slide	55 mm	55 mm
Longitudinal feed	0.05 - 0.1 mm/rev	0.05 - 0.1 mm/rev
Pitch - Metric (11)	0.5 - 1.5 mm/rev	0.5 - 1.5 mm/rev
Tool holder seat height	12 mm	12 mm
Tailstock		
Tailstock taper	MT 1 shortened	MT 1 shortened
Tailstock - sleeve travel	30 mm	30 mm
Dimensions L x W x H		
NW/GW	23/26 kg	26.5/30 kg

Standard equipment

Three jaw lathe chuck Ø 80 mm, fixed centre point MT1, lathe chuck protection, splashback, chip tray, 2-fold tool holder, change gear kit, acceptance certificate

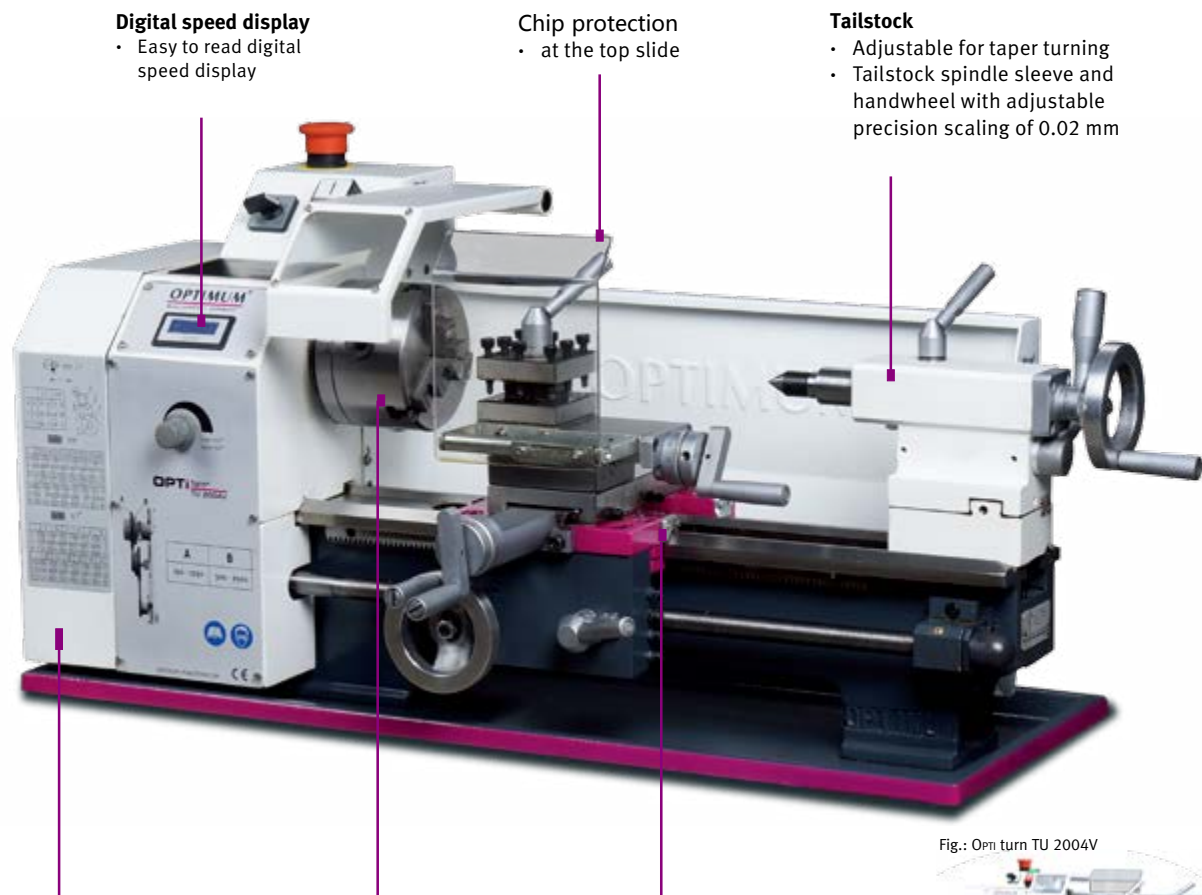
Accessories	Item No
Four jaw lathe chuck Ø 80 mm	344 0286
Follow rest	344 0210
Steady rest	344 0211
Revolving centre MT 1	344 0700
Collet chuck ER 16	344 0281
Collet chuck kit ER 16, 1 - 10 mm, 12 pcs.	344 0282
Lathe tool kit 8 mm, 11 pcs	344 1008
Lathe tool kit HM 8 mm, 7 pcs	344 1011

Lathe with digital speed display and infinitely variable speed control

Convincing arguments: quality, efficiency and price

- Precise manufacturing
- Heavily ribbed prism bed made of steel casting, inductively hardened and precision ground
- Hardened and ground bed guideways
- Hardened spindle nose (DIN 6350)
- Guaranteed true running accuracy of the spindle nose of better than 0.009 mm
- Automatic longitudinal/leading spindle drive
- With longitudinal slide, cross slide and top slide
- Right-/left-handed rotation switchable on the control panel
- Emergency-stop push button and low-voltage release
- Lathe chuck protection
- Thrust bearing
- Leading spindle run on two porous bearings
- Large threading range due to set of change gears
- Change gear train
- Acceptance certificate

vario drive



Digital speed display

- Easy to read digital speed display

Chip protection

- at the top slide

Tailstock

- Adjustable for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm

Main spindle

- Hardened and with re-adjustable accurate taper roller bearings
- Taper roller bearing of P5 quality
- Cylindrical centring consumption
- hardened spindle nose with a spindle hole of $\varnothing 21$ mm

Lathe chuck

- True running accuracy of better than 0.04 mm

Quadruple tool holder

- turnable
- Rolled trapezoid thread**
- Leading spindle

Fig.: OPTI turn TU 2004V



NEW

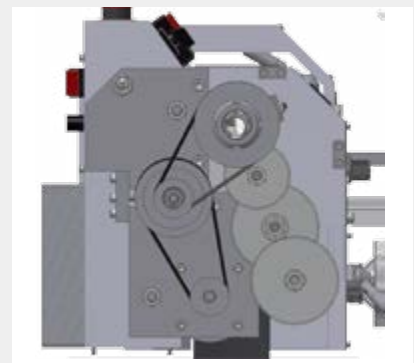
Accessories	Machine substructure
Item No	344 0409

Type	TU 2004 V
Item No	342 0310
Machine datas	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor power	600 W
Working areas	
Centre height	100 mm
Centre width	300 mm
Turning diameter (max.)	200 mm
Turning Ø over cross slide	110 mm
Bed width	100 mm
Speeds	
Spindle speeds	150 - 2'500 min ⁻¹
Number of steps	2 steps, electrically adjustable speed
Headstock	
Spindle taper	MT 3
Spindle drilling	Ø 21 mm
Passage 3-jaw chuck	20 mm
Slide	
Travel top slide	55 mm
Travel cross slide	75 mm
Longitudinal feed	0.1/0.2 mm/rev
Pitch - Metric (11)	0.5 - 3 mm/rev
Pitch - Inch (8)	44 - 10 threads/1"
Tool holder seat height	Max. 12 mm
Tailstock	
Tailstock taper	MT 2
Tailstock - sleeve travel	65 mm
Dimensions L x H x W	
Net weight	830 x 425 x 360 mm 61 kg

Standard equipment	Three jaw chuck Ø 100 mm Steady centre MT 2 and MT 3 Splash board and Chip tray Quadruple tool holder Change gear kit Operating tool
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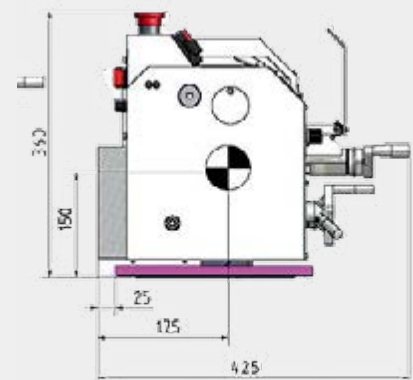
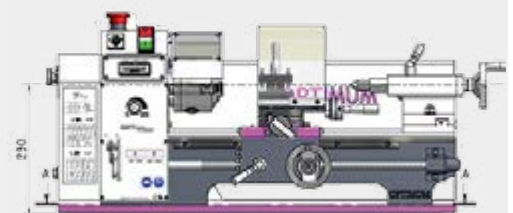
Accessories	Item No
Four jaw lathe chuck Ø 100 mm (centric) Speed: 3'400 min ⁻¹	344 2810
Flange for lathe chucks Ø 100 mm	344 0312
Face clamping disc Ø 170 mm	344 0295
Follow rest	344 0230
Steady rest	344 0231
Revolving centre MT2	344 0702
Quick action tool holder SWH-AA	338 4311
Lathe tool kit HM 10 mm, 7 pcs	344 1111
Lathe tool kit 10 mm, 11 pcs	344 1108
Workshop assembly SWH	900 0401

Convincing arguments...



- Wide range of threading due to change gear kit
- Simple and rapid speed change via V-belt

Abmessungen



LATHE

Lathes for the demanding do-it-yourselfer. TU 2304V with electronically infinitely variable drive.

Convincing arguments: quality, efficiency and price

- Precise manufacturing
- Hardened and ground guideways
- Guaranteed true running accuracy of the spindle nose better than 0.009 mm
- True running accuracy - Lathe chuck better than 0.05 mm
- With leading spindle for threading or automatic longitudinal turning
- Right-/left-handed rotation switchable on the control panel
- Rolled trapezoid spindles
- Emergency-stop push button and low-voltage release
- Comprehensive accessory
- Acceptance certificate
- Stable value

TU 2304 V

- Speed change easily adjustable via potentiometer
- Digital speed display

conventional/Vario

Change gear kit

- for threading
- Simple and rapid speed change via V-belt

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.01 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges

Tailstock

- Adjustable by ± 5 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm

Taper roller bearing

- two pieces
- of P5 quality

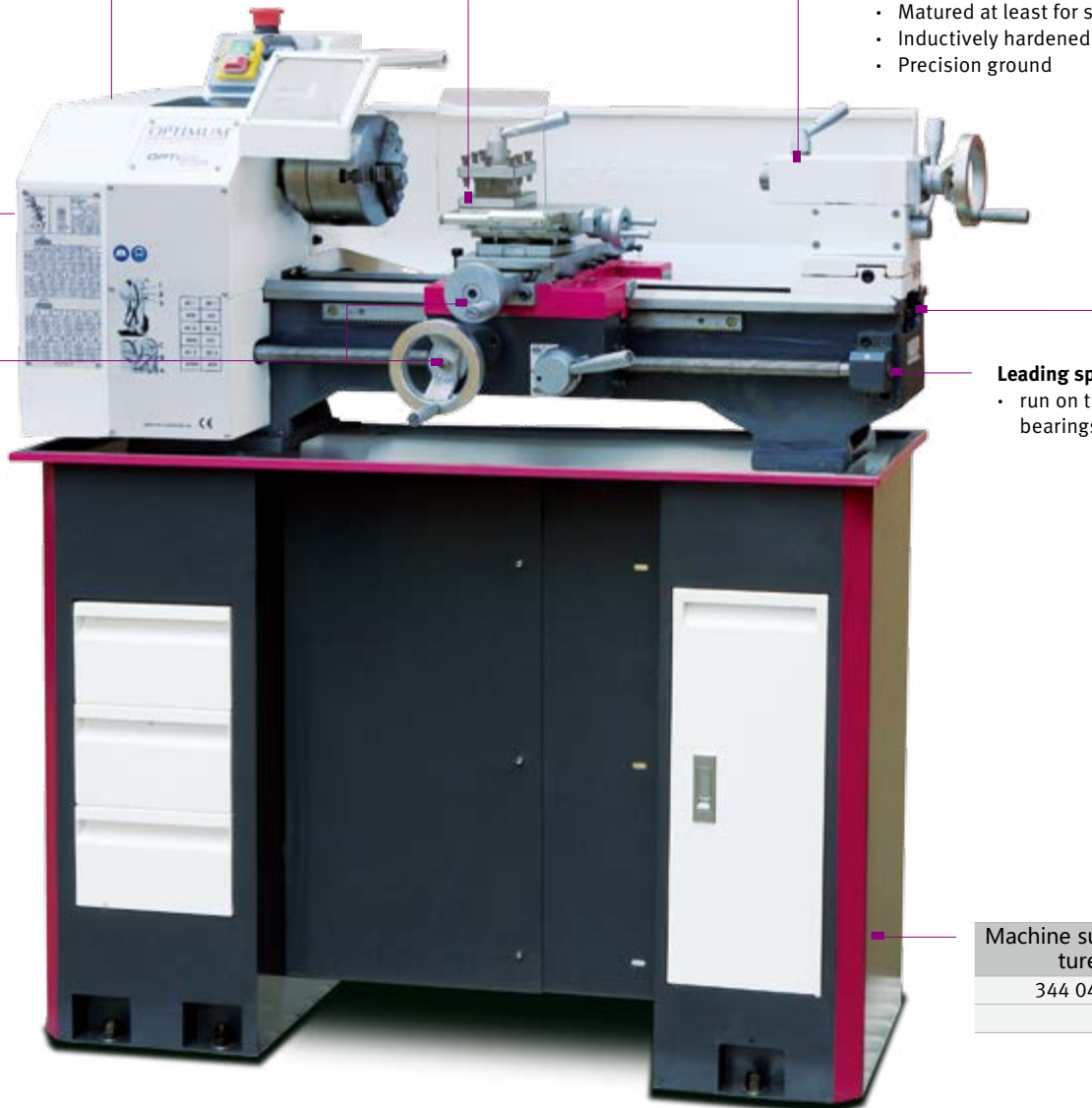
Prism bed

- Solid and tempered made of grey cast iron
- Matured at least for six months
- Inductively hardened (HRC 42-52)
- Precision ground

Thrust bearing

Leading spindle

- run on two porous bearings



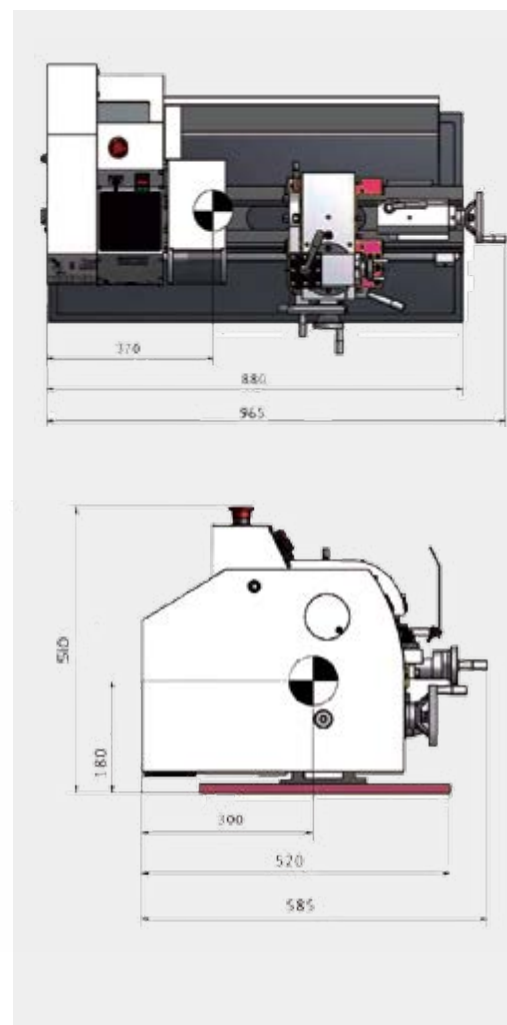
Machine substructure
344 0409

Fig.: OPTi turn TU 2404 with optional machine base

Type	TU 2304
Item No	342 0320

Type	TU 2304V
Item No	342 0325

Machine datas	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor power	750 W
Working areas	
Centre height	115 mm
Centre width	450 mm
Turning Ø over lathe bed	230 mm
Bed width	135 mm
Speeds	
Spindle seat	Ø 72 mm
Spindle speed	125 - 2'000 min ⁻¹
Number of steps	6 steps
Spindle speed Vario machines	150 - 2'200 min ⁻¹
Number of steps Vario machines	2 steps, electronically adjustable speed
Headstock	
Spindle taper	MT 3
Spindle drilling, rod passage	Ø 20 mm
Slide	
Travel top slide	75 mm
Travel cross slide	120 mm
Pitch - Metric in the range of	0.4 - 3.5 mm/rev
Pitch - Inch in the range of	44 - 10 Threads/1"
Quadruple tool holder seat height	14 x 14 mm
Tailstock	
Tailstock seat	MT 2
Tailstock - sleeve travel	70 mm
Dimensions	
Length x width x height	965 x 585 x 510 mm
Net weight	114 kg
Net weight Vario machines	111 kg



LATHE

Standard equipment	Three jaw chuck Ø 100 mm	Accessories	Item No
	Steady centre MT 2		Three jaw chuck Ø 125 mm, Speed 3'000 min ⁻¹
	Steady centre MT 3	Four jaw chuck Ø 125 mm, Speed 2'750 min ⁻¹	344 2812
	Splash board	Three jaw chuck CI3P Ø 125 mm cast iron, Speed 3'200 min ⁻¹	344 2020
	Chip tray	Three jaw chuck CS3C Ø 125 mm steel, Speed 4'800 min ⁻¹	344 2520
	Quadruple tool holder	Flange for three jaw chuck Ø 125 mm	344 0511
	Change gear kit	Flange for four jaw chuck Ø 125 mm	344 0512
	Operating tool	Face clamping disc Ø 200 mm	344 0352
		Revolving centre MT2	344 0702
		Steady rest	344 0361
		Follow rest	344 0360
		Lathe tool kit HM 8 mm, 7 pcs	344 1011
		Lathe tool kit HM 10 mm, 7 pcs	344 1111
		Lathe tool kit 10 mm, 11 pcs	344 1108
		Lathe tool kit HM 12 mm, 9 pcs	344 1211
		Collet chuck kit ER 25, 1 - 16 mm	344 1109
		Collet chuck holder for collet chuck ER 25	344 0505
		Quick change tool holder SWH 1-A	338 4301
		Workshop assembly SWH	900 0401

Lathes for the demanding do-it-yourselfer.

TU 2404V / TU 2406V with electronically infinitely variable drive.

Convincing arguments: quality, efficiency and price

- Precise manufacturing
- Hardened and ground guideways
- Guaranteed true running accuracy of the spindle nose better than 0.009 mm
- True running accuracy - Lathe chuck better than 0.05 mm
- With leading spindle for threading or automatic longitudinal turning
- Right-/left-handed rotation switchable on the control panel
- Rolled trapezoid spindles

- Emergency-stop push button and low-voltage release
- Comprehensive accessory
- Acceptance certificate
- Stable value

TU 2404 V/ TU 2406 V

- Speed change easily adjustable via potentiometer
- Digital speed display

conventional/vario

Change gear kit

- for threading
- Simple and rapid speed change via V-belt

Taper roller bearing

- two pieces
- of P5 quality

Thrust bearing

Leading spindle

- run on two porous bearings



Prism bed

- Solid and tempered made of grey cast iron
- Matured at least for six months
- Inductively hardened (HRC 42-52)
- Precision ground

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.01 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges

Tailstock

- Adjustable by ± 5 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm



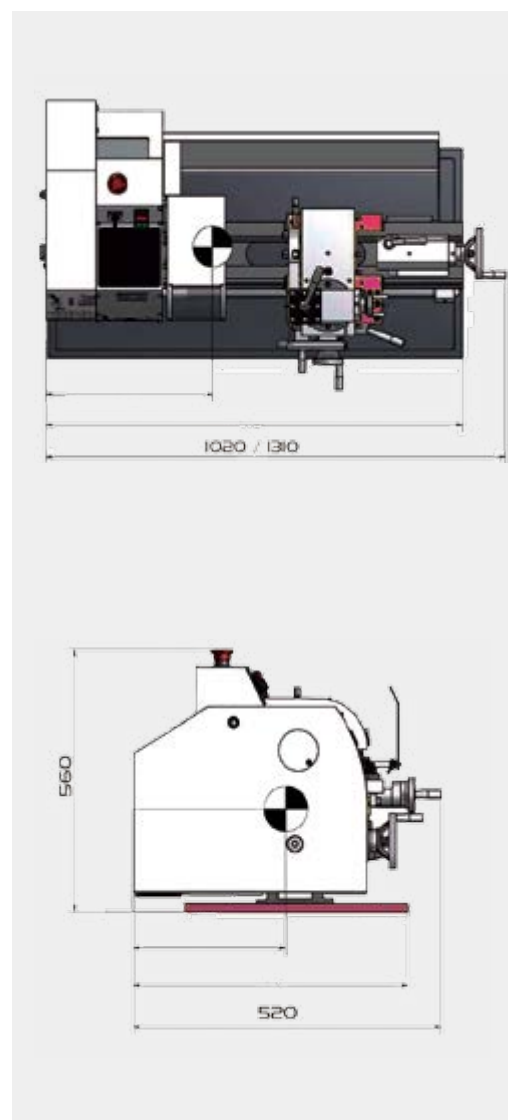
Accessories	Machine substructure
Item No	344 0409

Fig.: Opti turn TU 2404 with optional machine base

Type	TU 2404	TU 2406
Item No (230 V)	342 0330	-
Item No (400 V)	342 0333	-

Type	TU 2404V	TU 2406V
Item No (230 V)	342 0335	342 0355

Machine datas		
Electrical connection	230 V or 400 V	-
Motor power	750 W	-
Connection Vario machine	230 V / 1 Ph ~50 Hz	
Motor Vario machine	1.1 kW	
Working areas		
Centre height	125 mm	
Centre width	450 mm	550 mm
Turning Ø over lathe bed	250 mm	
Bed width	135 mm	
Speeds		
Spindle seat	Ø 52 mm	
Spindle speed	125 - 2'000 min ⁻¹	-
Number of steps	6 steps	-
Spindle speed Vario machines	150 - 2'500 min ⁻¹	
Number of steps Vario machines	2 steps, electronically adjustable speed	
Headstock		
Spindle taper	MT 3	
Spindle drilling, rod passage	Ø 21 mm	
Slide		
Travel top slide	75 mm	
Travel cross slide	120 mm	
Pitch - Metric in the range of	0.4 - 3.5 mm/rev	
Pitch - Inch in the range of	44 - 10 Threads/1"	
Quadruple tool holder seat	14 x 14 mm	
Tailstock		
Tailstock seat	MT 2	
Tailstock - sleeve travel	70 mm	
Dimensions		
Length x width x height	1'020 x 520 x 560 mm	1.310 x 520 x 560 mm
Net weight	110 kg	127 kg



LATHE

Standard equip- ment	Three jaw chuck Ø 125 mm Steady centre MT 2 Steady centre MT 3 Splash board Chip tray Quadruple tool holder Change gear kit Operating tool	Accessories	
			Item No
		Three jaw chuck Ø 125 mm, Speed 3'000 min ⁻¹	344 2712
		Four jaw chuck Ø 125 mm, Speed 2'750 min ⁻¹	344 2812
		Three jaw chuck CI3P Ø 125 mm cast iron, Speed 3'200 min ⁻¹	344 2020
		Three jaw chuck CS3C Ø 125 mm steel, Speed 4'800 min ⁻¹	344 2520
		Flange for three jaw chuck Ø 125 mm	344 0511
		Flange for four jaw chuck Ø 125 mm	344 0512
		Face clamping disc Ø 250 mm	344 0552
		Revolving centre MT2	344 0702
		Steady rest	344 0515
		Follow rest	344 0510
		Lathe tool kit HM 8 mm, 7 pcs	344 1011
		Lathe tool kit HM 10 mm, 7 pcs	344 1111
		Lathe tool kit 10 mm, 11 pcs	344 1108
		Lathe tool kit HM 12 mm, 9 pcs	344 1211
		Collet chuck kit ER 25, 1 - 16 mm	344 1109
		Collet chuck holder for collet chuck ER 25	344 0505
		Quick change tool holder SWH 1-A	338 4301
		Workshop assembly SWH	900 0401

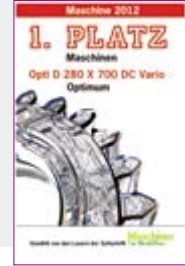
Lead screw lathes with feed gear for demanding users. Vario type with infinitely variable speed control for brushless motor

OPTIMUM
The original

Convincing arguments: quality, efficiency and price

- Precise manufacturing
- Powerful, maintenance free motor
- Heavily ribbed prism bed made of grey cast iron, inductively hardened and precision ground
- Hardened and ground bed guideways
- Guaranteed true running accuracy of the spindle nose better than 0.009 mm
- True running accuracy of the lathe chuck better than 0.04 mm
- Automatic longitudinal/leading spindle drive
- With leading spindle for threading or automatic longitudinal turning
- Right-/left-handed rotation switchable on the control panel

- Leading spindle run on two porous bearings
 - Handwheels on the slide with adjustable precision scaling of 0.04/0.01 mm
 - With change gear kit for threading
 - Thrust bearing
 - Emergency-stop push button and low-voltage release
 - Acceptance certificate
- TU 2506 V / TU 2807 V**
- Smooth and high-performance DC drive with excellent control characteristics
 - High-precision tool chuck for higher speeds
 - Speed change easily adjustable via potentiometer
 - Digital speed display



conventional/vario

Powerful Brushless drive

- Particularly smooth running
- Nearly constant torque over the entire speed range
- High power output



Slide

- Quadruple tool holder
- All guideways adjustable via V-ledges free of play
- Rolled trapezoid spindles
- Chip protection at the top slide

Tailstock

- Adjustable by ± 5 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm
- Rapid and easy adjustment of the tailstock by means of a clamping lever

Main spindle

- Hardened and with re-adjustable precision taper roller bearings
- Two taper roller bearing of P5 quality
- Short taper, hardened spindle nose with a spindle hole of $\varnothing 26$ mm

Feed gear

- Smooth running
- Rounded toothed wheels
- running in the oil bath

NEW

Accessories	Machine substructure
Item No	344 0409

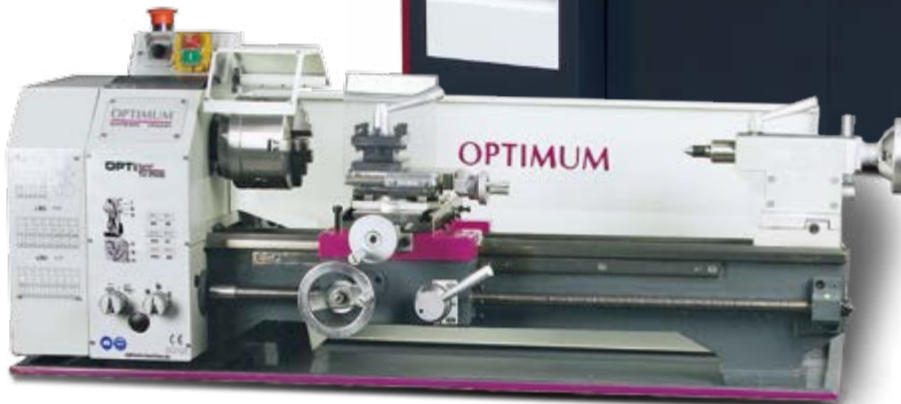


Fig.: Opti turn TU 2807

Fig.: Opti turn TU 2506

Technical data and accessories

Type	TU 2506	TU 2807
Item No (230 V)	342 5001	342 7001
Item No (400 V)	342 5003	342 7003

Type	TU 2506V	TU 2807V
Item No (230 V)	342 5006	342 7006

Machine datas		
Electrical connection	230 V / 1 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
Motor	750 W	850 W
Connection Vario machine	230 V / 1 Ph ~50 Hz	
Motor Vario machine	1.5 kW	

Working areas		
Centre height	125 mm	140 mm
Centre width	550 mm	700 mm
Turning Ø over lathe bed	250 mm	266 mm
Bed width	135 mm	180 mm

Speeds		
Spindle speed	125 - 2'000 min ⁻¹	150 - 2'000 min ⁻¹
Number of steps	6 steps	
Spindle speed Vario machines	30 - 4'000 min ⁻¹	
Number of steps Vario machines	4 steps, electrically adjustable speed	

Headstock		
Spindle taper	MT 4	
Spindle drilling, rod passage	Ø 26 mm	

Slide		
Travel top slide	70 mm	60 mm
Travel cross slide	110 mm	160 mm
Longitudinal feed in the range of	0.07 - 0.2 mm/rev	
Pitch - Metric in the range of	0.2 - 3.5 mm/rev	
Pitch - Inch in the range of	56 - 8 threads/1"	
Quadruple tool holder seat height	(max.) 13 mm	(max.) 13.5 mm

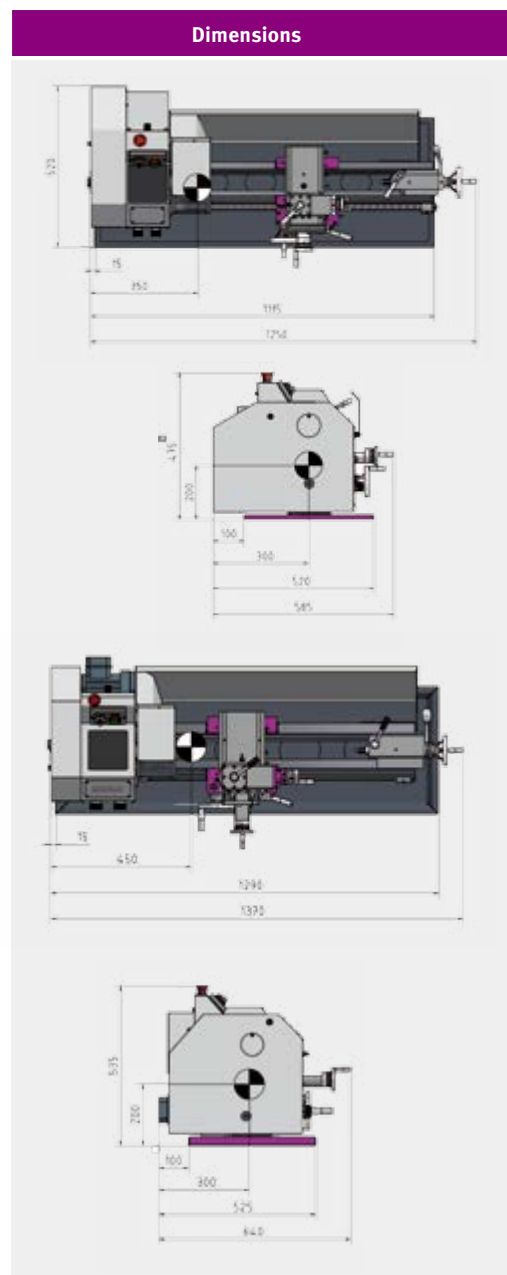
Tailstock		
Tailstock seat	MT 2	
Tailstock - sleeve travel	65 mm	85 mm

Dimensions		
Length x width x height	1'250 x 585 x 475 mm	1'370 x 640 x 535 mm
Length x Width x Height Vario	1'250 x 650 x 420 mm	1'370 x 660 x 440 mm
Net weight	125 kg	180 kg

Standard equipment	
	3-jaw lathe chuck Ø 125 mm, steady centre MT2 / MT4, drill chuck protection, lathe tool made of high speed steel, lathe dog, quadruple tool holder Change gear kit, operating tool

Accessories TU 2506 / TU 2506 V	Item No
Face clamping disc Ø 240 mm	344 1352
Steady rest Ø max. 50 mm	344 1315
Follow rest Ø max. 34 mm	344 1310
Revolving centre MT2	344 0702
Lathe tool kit HM 10 mm, 7 pcs	344 1111
Lathe tool kit 10 mm, 11 pcs	344 1108
Lathe tool kit HM 12 mm, 9 pcs	344 1211
Collet chuck kit ER 25, 1 - 16 mm	344 1109
Collet chuck kit ER 32, 3 - 20 mm	344 1122
Collet chuck ER 25	344 1305
Collet chuck ER 32	344 1306
Quick change tool holder SWH 1-A	338 4301
Workshop assembly SWH	900 0401
Add-on adaptor column/milling head BF20V	335 6572
Add-on adaptor column/milling head BF16V	335 6568
BF20AV - milling head and column of a BF20V	333 8129

Accessories TU 2807 / TU 2807 V	Item No
Face clamping disc Ø 265 mm	344 1452
Flange for lathe chucks Ø 160 mm	344 1413
Steady rest Ø max. 55 mm	344 1415
Follow rest Ø max. 56 mm	344 1410
Revolving centre MT2	344 0702
Lathe tool kit HM 10 mm, 7 pcs	344 1111
Lathe tool kit 10 mm, 11 pcs	344 1108
Lathe tool kit HM 12 mm, 9 pcs	344 1211
Collet chuck kit ER 25, 1 - 16 mm	344 1109
Collet chuck kit ER 32, 3 - 20 mm	344 1122
Collet chuck ER 25	344 1305
Collet chuck ER 32	344 1306
Quick change tool holder SWH 1-A	338 4301
Workshop assembly SWH	900 0401
Add-on adaptor column/milling head BF20V	335 6572
Add-on adaptor column/milling head BF16V	335 6568



Completely equipped centre lathe with feed mechanism running in the oil bath. DPA version with digital position display DPA 2000

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 Nr. 4
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Electrical system with Siemens components
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Chip protection at the top slide
- Cover for leading spindle
- Machine substructure including tool compartment
- Acceptance certificate

DPA machines:

- **Digital position display DPA 2000** and glass scales
- Considerable reduction of the manufacturing times
- Easy-to-operate
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

conventional

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground

Fast acting feed gear

- Closed structure

Quality lathe chuck

- Precisely
- Higher speed is enabled
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Halogen machine lamp

- Coated articulated arm
- High positioning stability

Prism bed

- Heavily ribbed
- Inductively hardened
- Precision ground

Tailstock

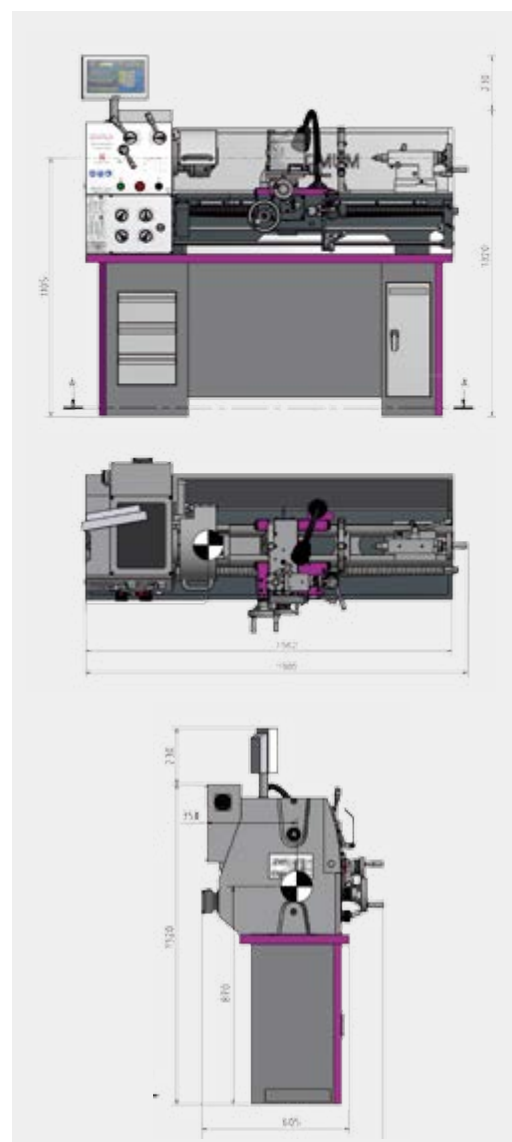
- Adjustable by ± 10 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Bed bridge

- The turning diameter is increased to 430 mm by taking out the bed bridge



Type	D 320 x 630	D 320 x 920
Item No	340 0633	340 0923
DPA - type		
	D 320 x 630 DPA	D 320 x 920 DPA
Item No	340 0633DPA	340 0923DPA
Machine datas		
Electrical connection	400 V / 3 Ph ~50 Hz	
Motor power	1.5 kW	
Working areas		
Centre height	160 mm	
Centre width	630 mm	920 mm
Turning Ø over lathe bed	320 mm	
Turning Ø over cross slide	190 mm	
Turning Ø in the bed bridge	430 mm	
Length of bed bridge	230 mm	
Bed width	181 mm	
Speeds		
Spindle speed	65 - 1'800 min ⁻¹	
Number of steps	18 steps	
Headstock		
Spindle taper	MT 5	
Spindle seat	Camlock DIN ISO 702-2 Nr. 4	
Spindle drilling, rod passage	Ø 38 mm	
Slide		
Travel top slide	85 mm	
Travel cross slide	162 mm	
Longitudinal feed in the range of	0.052 - 1'392 mm/rev; 32 feeds	
Transverse feed in the range of	0.014 - 0.380 mm/rev ; 32 feeds	
Pitch - Metric in the range of	0.4 - 7 mm; 26 thread pitches	
Pitch - Inch in the range of	56 - 4 threads/1"; 34 thread pitches	
Quadruple tool holder seat height	16 x 16 mm	
Tailstock		
Tailstock seat	MT 3	
Tailstock - sleeve travel	100 mm	
Dimensions		
Length	1,485 mm	1,685 mm
Width x Height	750 x 1.350 (DPA 1'550) mm	
Weight	400 kg	410 kg



Standard equipment	
<ul style="list-style-type: none"> Three-jaw lathe chuck Ø 160 mm Four jaw lathe chuck Ø 200 mm with universally adjustable jaws Face clamping disc Ø 250 mm Revolving centre MT3 Steady rest Passage Ø max. 70 mm Follow rest Passage Ø max. 50 mm 	<ul style="list-style-type: none"> Chip tray Machine base (not mounted) Splashback (not mounted) Lathe chuck protection Machine lamp Threading gauge Quadruple tool holder Change gear kit Operating tool

Accessories	Item No
Three jaw chuck Camlock cast iron Ø 200 mm	344 2762
Three jaw chuck CI3P Camlock cast iron Ø 200 mm	344 2045
Four jaw chuck CI4P Camlock cast iron Ø 200 mm	344 2145
Three jaw chuck CS3C Camlock steel Ø 200 mm	344 2545
Four jaw chuck CS4C Camlock steel Ø 200 mm	344 2645
Please find more lathe chucks and non-rigid block jaws from page 104 on	
Lathe tool kit 16 mm, 11 pcs	344 1508
Lathe tool kit HM 16 mm, 7 pcs	344 1511
Universal collet attachment 5C	344 1506
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509
Position limit stop with fine adjustment	344 1524
Quick change tool holder SWH 3-E	338 4303
Workshop assembly SWH	900 0400
Vibration damping machine foot SE 2	338 1016

Completely equipped centre lathe with electronically infinitely variable drive

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 Nr. 4
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Chip protection at the top slide
- Cover for leading spindle
- New machine base with drawers
- Acceptance certificate
- **Digital position display DPA 2000 S** and glass scales
- Speed display
- Considerable reduction of the manufacturing times
- High working accuracy
- Error rate is reduced
- Glare-free display

Powerful Brushless drive

- Particularly smooth running
- Nearly constant torque over the entire speed range
- High power output



Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground

Fast acting feed gear

- Closed structure

Quality lathe chuck

- Precisely
- Higher speed is enabled
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Halogen machine lamp

- Coated articulated arm
- High positioning stability

Prism bed

- Heavily ribbed
- Inductively hardened
- Precision ground

Tailstock

- Adjustable by ± 10 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

vario drive

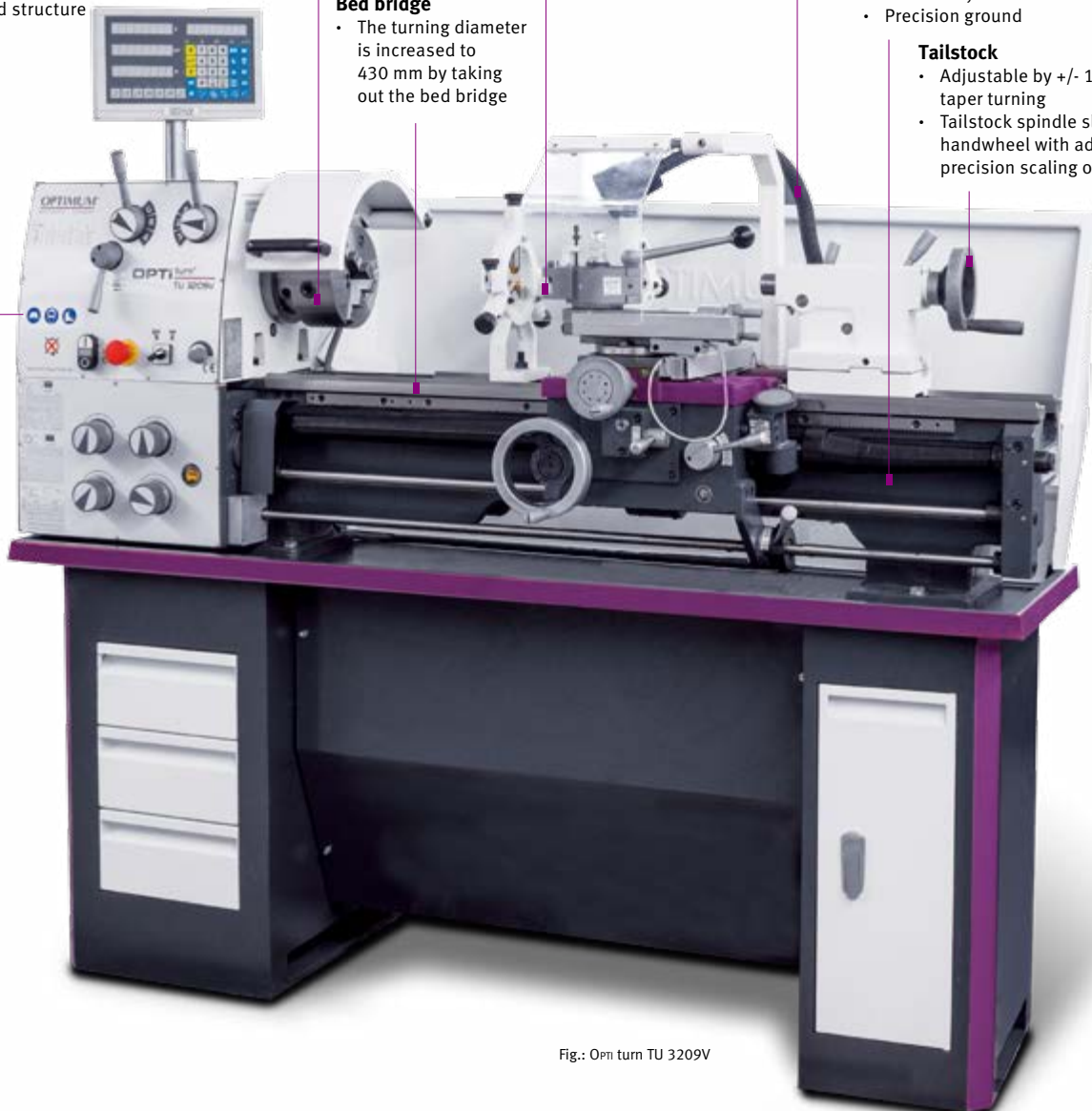


Fig.: OPTIturn TU 3209V

Type	TU 3209V
Item No	340 3110
Machine datas	
Electrical connection	230 V / 1 Ph ~50 Hz
Motor power	1.5 kW
Working areas	
Centre height	160 mm
Centre width	920 mm
Turning Ø over lathe bed	320 mm
Turning Ø over cross slide	190 mm
Turning Ø in the bed bridge	430 mm
Length of bed bridge	230 mm
Bed width	181 mm
Speeds	
Spindle speed	12 - 2'250 min ⁻¹
Number of steps	9 steps
Headstock	
Spindle taper	MT 5
Spindle seat	Camlock DIN ISO 702-2 Nr. 4
Spindle drilling, rod passage	Ø 38 mm
Slide	
Travel top slide	85 mm
Travel cross slide	162 mm
Longitudinal feed in the range of	0.052 - 1'392 mm/rev; 32 feeds
Transverse feed in the range of	0.014 - 0.380 mm/rev ;32 feeds
Pitch - Metric in the range of	0.4 - 7 mm;26 thread pitches
Pitch - Inch in the range of	56 - 4 threads/1";34 thread pitches
Quadruple tool holder seat height	16 x 16 mm
Tailstock	
Tailstock seat	MT 3
Tailstock - sleeve travel	100 mm
Dimensions	
Length X Width x Height	1'685 x 750 x 1'550 mm
Weight	410 kg

Standard equipment

- Three-jaw lathe chuck Ø 160 mm
- Four jaw lathe chuck Ø 200 mm with universally adjustable jaws
- Face clamping disc Ø 250 mm
- Revolving centre MT3
- Steady rest Passage Ø max. 70 mm
- Follow rest Passage Ø max. 50 mm
- Chip tray
- Machine base (not mounted)
- Splashback (not mounted)
- Lathe chuck protection
- Machine lamp
- Threading gauge
- Quadruple tool holder
- Change gear kit
- Operating tool

Accessories

	Item No
Three jaw chuck Camlock cast iron Ø 200 mm	344 2762
Three jaw chuck CI3P Camlock cast iron Ø 200 mm	344 2045
Four jaw chuck CI4P Camlock cast iron Ø 200 mm	344 2145
Three jaw chuck CS3C Camlock steel Ø 200 mm	344 2545
Four jaw chuck CS4C Camlock steel Ø 200 mm	344 2645
Please find more lathe chucks and non-rigid block jaws from page 104 on	
Lathe tool kit 16 mm, 11 pcs	344 1508
Lathe tool kit HM 16 mm, 7 pcs	344 1511
Universal collet attachment 5C	344 1506
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509
Position limit stop with fine adjustment	344 1524
Quick change tool holder SWH 3-E	338 4303
Workshop assembly SWH	900 0400
Vibration damping machine foot SE 2	338 1016

Completely equipped mechanic's lathe including enclosed feed mechanism for rapid and easy switching over of feed pitches. DPA version with digital position display DPA 2000

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock DIN ISO 702-2 Nr. 4
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Hardened and ground toothed wheels and shafts, running in an oil bath on precision bearings
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Cover for leading spindle
- Electrical system with Siemens components
- Foot brake
- Acceptance certificate

DPA machine:

- **Digital position display DPA 2000** and glass scales
- Considerable reduction of the manufacturing times
- Easy-to-operate
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

Main spindle

- Running in an oil bath
- Gearwheels smooth running, hardened and ground

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Tailstock

- Adjustable by +/- 10 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Bed bridge

- The turning diameter is increased to 516 mm by taking out the bed bridge

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Halogen machine lamp

- Coated articulated arm
- High positioning stability

Prism bed

- Heavily ribbed
- Grey cast iron
- Inductively hardened and precision ground

Base

- Mounted
- Tool compartment
- Lockable doors
- Extractable chip tray

conventional



Fig.: OPTI turn D 330 x 1000 DPA

Type	D 330 x 1000
Item No	340 1000
Type	D 330 x 1000 DPA
Item No	340 1000DPA
Machine datas	
Electrical connection	400 V / 3 Ph ~50 Hz
Motor power	1.5 kW
Working areas	
Centre height	165 mm
Centre width	1'000 mm
Turning Ø over lathe bed	330 mm
Turning Ø over cross slide	198 mm
Turning Ø in the bed bridge	476 mm
Length of bed bridge	210 mm
Bed width	187 mm
Speeds	
Spindle speed	70 - 2'000 min ⁻¹
Number of steps	8 steps
Headstock	
Spindle taper	MT 5
Spindle seat	Camlock DIN ISO 702-2 Nr. 4
Spindle drilling, rod passage	Ø 38 mm
Slide	
Travel top slide	95 mm
Travel cross slide	170 mm
Longitudinal feed in the range of	0.052 - 1'392 mm/rev; 40 feeds
Transverse feed in the range of	0.014 - 0.380 mm/rev; 40 feeds
Pitch - Metric in the range of	0.4 - 7 mm/rec; 32 thread pitches
Pitch - Inch in the range of	56 - 4 threads/1"; 40 thread pitches
Quadruple tool holder seat height	max. 16 mm
Tailstock	
Tailstock seat	MT 3
Tailstock - sleeve travel	126 mm
Dimensions	
Length x width x height	1'930 x 755 x 1'300 (DPA 1'550) mm
Net weight	550 kg

Standard equipment

- Three jaw lathe chuck Ø 160 mm centric clamping
- Four jaw lathe chuck Ø 200 mm with universally adjustable jaws
- Face clamping disc Ø 250 mm
- Reducing bush MT 5/MT 3
- 2 steady centres MT 3
- Steady rest
Passage up to Ø 100 mm
- Follow rest
Passage up to Ø 95 mm
- Chip protection at the top
- slide
- Position limit stop with fine adjustment
- Lathe chuck protection
- Spindle brake
- Machine substructure mounted including tool compartment
- Splash board mounted
- Threading gauge
- Quadruple tool holder
- Machine lamp
- Change gear kit
- Operating tool

Accessories

	Item No
Three jaw chuck Camlock cast iron Ø 200 mm	344 2762
Three jaw chuck CI3P Camlock cast iron Ø 200 mm	344 2045
Four jaw chuck CI4P Camlock cast iron Ø 200 mm	344 2145
Three jaw chuck CS3C Camlock steel Ø 200 mm	344 2545
Four jaw chuck CS4C Camlock steel Ø 200 mm	344 2645
Please find more lathe chucks and non-rigid block jaws from page 104 on	
Lathe tool kit 16 mm, 11 pcs	344 1508
Lathe tool kit HM 16 mm, 7 pcs	344 1511
Universal collet attachment 5C	344 1506
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509
Quick change tool holder SWH 3-E	338 4303
Workshop assembly SWH	900 0400
Vibration damping machine foot SE 2	338 1016

Completely equipped precision centre lathe including enclosed feed mechanism for rapid and easy switching over of feed pitches

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 Nr. 4
- Coolant equipment
- Coolant tank with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Hardened and ground toothed wheels and shafts, running in an oil bath on precision bearings
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Steady rest and follow rest
- Halogen machine lamp
- Cover for leading spindle

- Cable duct in an energy chain
- Foot brake
- Electrical system with Siemens components
- Adjustable scale of the threading gauge
- Acceptance certificate

DPA machine:

- **Digital position display DPA 2000** and glass scales
- Considerable reduction of the manufacturing times
- Easy-to-operate
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

conventional

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Tailstock

- Adjustable by ± 6 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Bed bridge

- The turning diameter is increased to 516 mm by taking out the bed bridge

Prism bed

- Heavily ribbed
- Grey cast-iron
- Inductively hardened
- Precision ground

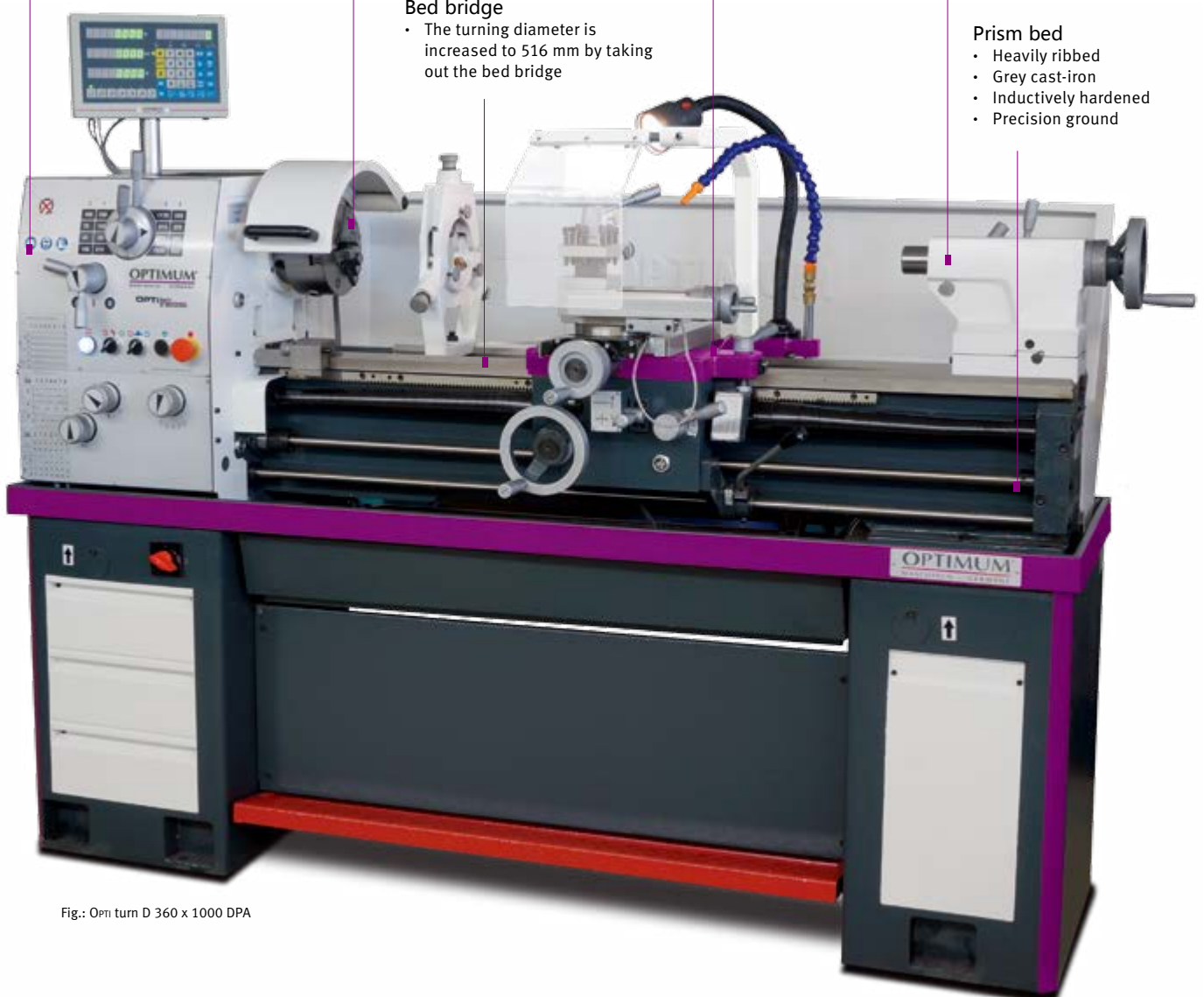


Fig.: Opti turn D 360 x 1000 DPA

Type	D 360 x 1000
Item No	340 1150
Type	D 360 x 1000 DPA
Item No	340 1150DPA
Machine datas	
Electrical connection	400 V / 3 Ph ~50 Hz
Main motor power, 2 stages	1.5/2.4 kW
Coolant equipment	40 W
Working areas	
Centre height	180 mm
Centre width	1'000 mm
Turning Ø over lathe bed	356 mm
Turning Ø over cross slide	220 mm
Turning Ø in the bed bridge	516 mm
Length of bed bridge	240 mm
Bed width	205 mm
Speeds	
Spindle speed	45 - 1'800 min ⁻¹
Number of steps	16 steps
Headstock	
Spindle taper	MT 5
Spindle seat	Camlock DIN ISO 702-2 Nr. 4
Spindle drilling, rod passage	Ø 38 mm
Slide	
Travel top slide	95 mm
Travel cross slide	180 mm
Longitudinal feed in the range of	0.043 - 0.653 mm/rev; 42 feeds
Transverse feed in the range of	0.015 - 0.220 mm/rev; 42 feeds
Pitch - Metric in the range of	0.45 - 7.5 mm/rev; 37 thread pitches
Pitch - Inch in the range of	112 - 4 threads/1"; 28 thread pitches
Quadruple tool holder seat height	Max. 16 mm
Tailstock	
Tailstock seat	MT 3
Tailstock - sleeve travel	126 mm
Dimensions	
Length x width x height	1'920 x 800 x 1'250 (DPA 1.490) mm
Net weight	850 kg

Standard equipment

- Three jaw lathe chuck
Ø 160 mm centric clamping
- Four jaw lathe chuck
Ø 200 mm with universally adjustable jaws
- Face clamping disc
Ø 320 mm
- Reducing bush MT 5/MT 3
- 2 steady centres MT 3
- Steady rest Passage up to
Ø 100 mm
- Follow rest
Passage up to Ø 95 mm
- Mounted machine base
- Spindle brake
- Splash board mounted
- Lathe chuck protection
- Threading gauge
- Quadruple tool holder
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool

Accessories	Item No
Three jaw chuck cast iron Ø 200 mm	344 2762
Three jaw chuck CI3P cast iron Ø 200 mm	344 2045
Four jaw chuck CI4P cast iron Ø 200 mm	344 2145
Three jaw chuck CS3C steel Ø 200 mm	344 2545
Four jaw chuck CS4C steel Ø 200 mm	344 2645

Please find more lathe chucks/non-rigid block jaws from page 104 on

Lathe tool kit 16 mm, 11 pcs	344 1508
Lathe tool kit HM 16 mm, 7 pcs	344 1511
Universal collet attachment 5C	344 1506
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509
Position limit stop with fine adjustment	344 1524
Quick change tool holder SWH 3-E	338 4303
Workshop assembly SWH	900 0400
Vibration damping machine foot SE 2	338 1016

Completely equipped precision centre lathe with electronically infinitely variable drive "power by Siemens" and digital position display DPA 2000 S

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 Nr. 4
- Speed monitoring according to machine directive
- EMC filter also for the use in mixed-use areas
- Coolant equipment with separate coolant tank separately with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Hardened and ground toothed wheels and shafts, running in an oil bath on precision bearings
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Quick action tool holder and tool holder for square tools
- Halogen machine lamp
- Cover for leading spindle
- New machine base with drawers
- Largely dimensioned chip protection
- Cable duct in an energy chain
- Foot brake
- Electrical system with Siemens components
- Adjustable scale of the threading gauge

- Acceptance certificate
- **Digital position display DPA 2000 S** and glass scales
- Speed display
- Considerable reduction of the manufacturing times
- High working accuracy
- Error rate is reduced
- Glare-free display

Converter SINAMICS G120D

- Enhanced safety function (STO, SLS)
- Energetic recovery system, low circuit feedback
- Energy saving of up to 20 %
- No braking resistor required
- Easy and rapid diagnosis capability by means of LED
- Continuous standardized plug connection
- Robust construction of flat type (IP65)
- EMV class C2 according to EN 61800-3
- Safety Integrated without transmitter!
- STO - Safe Torque Off according to EN 61800-5
- SLS - Safety Limited Speed according to EN 61800-5



vario drive

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- High quality GATES driving belts

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Bed bridge

- The turning diameter is increased to 516 mm by taking out the bed bridge

Tailstock

- Adjustable by ± 6 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.025 mm

Prism bed

- Heavily ribbed
- Grey cast-iron
- Inductively hardened
- Precision ground



Fig.: OPTIturn TU3610V



Type	TU 3610 V
Item No	340 3130
Machine datas	
Electrical connection	400 V / 3 Ph ~50 Hz
Main motor power	4 kW
Coolant equipment	40 W
Working areas	
Centre height	180 mm
Centre width	1'000 mm
Turning Ø over lathe bed	356 mm
Turning Ø over cross slide	220 mm
Turning Ø in the bed bridge	516 mm
Length of bed bridge	240 mm
Bed width	205 mm
Speeds	
Spindle speed	30 - 550 min ⁻¹ / 160 - 3000 min ⁻¹ *
Number of steps	2 steps, electrically adjustable speed
Headstock	
Spindle taper	MT 5
Spindle seat	Camlock DIN ISO 702-2 Nr. 4
Spindle drilling, rod passage	Ø 38 mm
Slide	
Travel top slide	95 mm
Travel cross slide	180 mm
Longitudinal feed in the range of	0.043 - 0.653 mm/rev; 42 feeds
Transverse feed in the range of	0.015 - 0.220 mm/rev; 42 feeds
Pitch - Metric in the range of	0.45 - 7.5 mm/rev; 37 thread pitches
Pitch - Inch in the range of	112 - 4 threads/1"; 28 thread pitches
Quadruple tool holder seat height	Max. 16 mm
Tailstock	
Tailstock seat	MT 3
Tailstock - sleeve travel	120 mm
Dimensions	
Length x width x height	1'920 x 800 x 1'250 (DPA 1.490) mm
Net weight	850 kg

* Speed under reserve

Standard equipment

- Three jaw lathe chuck Ø 160 mm centric clamping
- Four jaw lathe chuck Ø 200 mm with universally adjustable jaws
- Face clamping disc Ø 320 mm
- Reducing bush MT 5/MT 3
- 2 steady centres MT 3
- Steady rest Passage up to Ø 100 mm
- Follow rest Passage up to Ø 95 mm
- Mounted machine base
- Splash board mounted
- Lathe chuck protection
- Threading gauge
- Quick action tool holder
- Tool holder for square tools
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool

Accessories	Item No	
Three jaw chuck CS3C steel Ø 160 mm Speed 4'500 min ⁻¹	344 2540	
Three jaw chuck CS3C steel Ø 200 mm Speed 4'000 min ⁻¹	344 2545	
Four jaw chuck CS4C steel Ø 160 mm Speed 4'500 min ⁻¹	344 2640	
Four jaw chuck CS4C steel Ø 200 mm Speed 4'000 min ⁻¹	344 2645	
Please find more lathe chucks and non-rigid block jaws from page 104 on		
Revolving centre MT 3	344 0703	
Lathe tool kit 16 mm, 11 pcs	344 1508	
Lathe tool kit 16 mm, 7 pcs	344 1511	
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509	
Workshop assembly SWH	900 0400	
Position limit stop with fine adjustment	344 1524	
Universal collet attachment 5C	344 1506	
Vibration damping machine foot SE 2	338 1016	

Precise centre lathes. Advanced technology, complete equipment, easy-to-operate. DPA version with digital position display DPA 2000

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 No. 6
- Coolant equipment with separate coolant tank separately with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Main spindle running in an oil bath hardened and ground mounted on 2 adjustable precision taper roller bearings
- All metric thread pitch in the range from 0.2 to 14 mm/r and all inch threads in the range from 72 - 2 threads per inch without replacing the change gears by means of gear levers adjustable on the control panel
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Central lubrication at the bed slide
- Cover for leading spindle

- Electrical system with Siemens components
- Foot brake
- Adjustable scale of the threading gauge
- Halogen machine lamp with articulated arm
- Acceptance certificate

DPA machine:

- **Digital position display DPA 2000** and glass scales
- Considerable reduction of the manufacturing times
- High working accuracy
- Error rate is reduced
- Clearly-arranged keyboard
- Glare-free display

conventional

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground

Fast acting feed gear

- Closed structure
- Hardened and ground toothed wheels and shafts
- Running in an oil bath on precision bearings

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Turret head

- With fine adjustment as limit stop for table saddle

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quadruple tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Bed bridge

- The turning diameter is increased to 590 mm by taking out the bed bridge

Base frame and lathe bed

- Meehanite casting
- One-piece casting



Energy chain

- Cable duct in an energy chain

Tailstock

- Adjustable by ± 13 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling

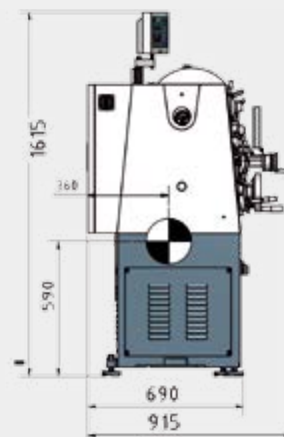
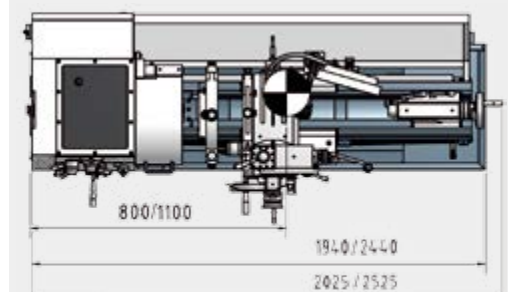
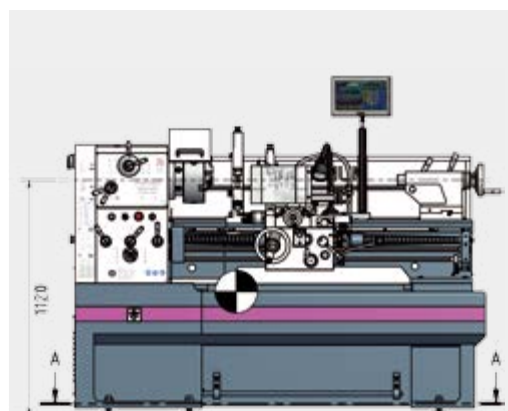


Fig.: OPTIturn D 420 x 1000

Type	D 420 x 1000	D 420 x 1500
Item No	340 1160	340 1165

Type	D 420 x 1000 DPA	D 420 x 1500 DPA
Item No	340 1160DPA	340 1165DPA

Machine datas		
Electrical connection	400 V / 3 Ph ~50 Hz	
Total connected value	4.5 kW	
Coolant equipment	100 W	
Working areas		
Centre height	210 mm	
Centre width	1'000 mm	1'500 mm
Turning Ø over lathe bed	420 mm	
Turning Ø over cross slide	250 mm	
Turning Ø in the bed bridge	590 mm	
Length of bed bridge	260 mm	
Bed width	250 mm	
Speeds		
Spindle speed	45 - 1'800 min ⁻¹	
Number of steps	16 steps	
Headstock		
Spindle taper	MT 6	
Spindle seat	Camlock DIN ISO 702-2 Nr. 6	
Spindle drilling, rod passage	Ø 52 mm	
Slide		
Travel top slide	140 mm	
Travel cross slide	230 mm	
Longitudinal feed in the range of	0.05 - 1.7 mm/rev; 17 feeds	
Transverse feed in the range of	0.025 - 0.85 mm/rev; 17 feeds	
Pitch - Metric in the range of	0.2 - 14 mm/rec; 39 thread pitches	
Pitch - Inch in the range of	72 - 2 threads/1"; 45 thread pitches	
Trapezoid thread in the range of	8 - 44; 21 trapezoid thread	
Modular thread in the range of	0.3 - 3.5; 18 modular thread	
Quadruple tool holder seat height	Max. 20 x 20 mm	
Tailstock		
Tailstock seat	MT 4	
Tailstock - sleeve travel	120 mm	
Dimensions		
Length	2,025 mm	2,525 mm
Width x Height	915 x 1'375 (DPA 1'615) mm	
Net weight	1,550 kg	1,800 kg



LATHE

Standard equipment	
• Three-jaw lathe chuck Ø 200 mm	• Ø max. 75 mm
• Four jaw lathe chuck Ø 250 mm with universally adjustable jaws	• Machine substructure
• Face clamping disc Ø 350 mm	• Spindle brake
• Quick action tool holder	• Splash board mounted
• Tool holder for square tools	• Lathe chuck protection
• Reducing bush MT 6/MT 4	• Chip protection at the top slide
• 2 steady centres MT 4	• Turret stop with fine adjustment
• Steady rest Passage Ø max. 145 mm	• Threading gauge
• Follow rest Passage	• Coolant equipment
	• Machine lamp
	• Change gear kit
	• Operating tool

Accessories	Item No
Three jaw chuck CI3P Ø 250 mm cast iron Speed 2'000 min ⁻¹	344 2055
Four jaw chuck CI4P Ø 200 mm cast iron Speed 2'500 min ⁻¹	344 2150
Three jaw chuck CS3C Ø 250 mm steel Speed 3'500 min ⁻¹	344 2555
Four jaw chuck CS4C Ø 250 mm steel Speed 3'500 min ⁻¹	344 2655
Please find more lathe chucks and non-rigid block jaws from page 104 on	
Lathe tool kit HM 20 mm, 7 pcs	344 4011
Collet chuck kit 3 - 25 mm, 5C, 17 pcs.	344 1509
Vibration damping machine foot SE 2	338 1016
Universal collet attachment 5C	344 1507

Completely equipped precision centre lathe with electronically infinitely variable drive "power by Siemens" and digital position display DPA 2000 S

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat DIN ISO 702-2 No. 6
- Speed monitoring according to machine directive
- EMC filter also for the use in mixed-use areas
- Coolant equipment with separate coolant tank separately with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- All metric thread pitch in the range from 0.2 to 14 mm/rev and all inch threads in the range from 72 - 2 threads per inch without replacing the change gears by means of gear levers adjustable on the control panel
- Right-handed / left-handed rotation on the bed slide switchable via stem
- Halogen machine lamp
- Central lubrication at the bed slide
- Cover for leading spindle
- Largely dimensioned chip protection
- Foot brake

- Electrical system with Siemens components
- Adjustable scale of the threading gauge
- Acceptance certificate
- **Digital position display DPA 2000 S** and glass scales
- Considerable reduction of the manufacturing times
- High working accuracy
- Error rate is reduced
- Glare-free display

Converter SINAMICS G120D

- Enhanced safety function (STO, SLS)
- Energetic recovery system, low circuit feedback
- Energy saving of up to 20 %
- No braking resistor required
- Easy and rapid diagnosis capability by means of LED
- Continuous standardized plug connection
- Robust construction of flat type (IP65)
- EMV class C2 according to EN 61800-3
- Safety Integrated without transmitter!
- STO - Safe Torque Off according to EN 61800-5
- SLS - Safety Limited Speed according to EN 61800-5



vario drive

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 readjustable precision taper roller bearings
- High quality GATES driving belts

Quality lathe chuck

- Precisely
- Higher speed is possible
- High concentricity and repeatability

Slide

- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Range of adjustment top slide $\pm 90^\circ$

Base frame and lathe bed

- Meehanite casting
- One-piece casting

Tailstock

- Adjustable by ± 13 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling

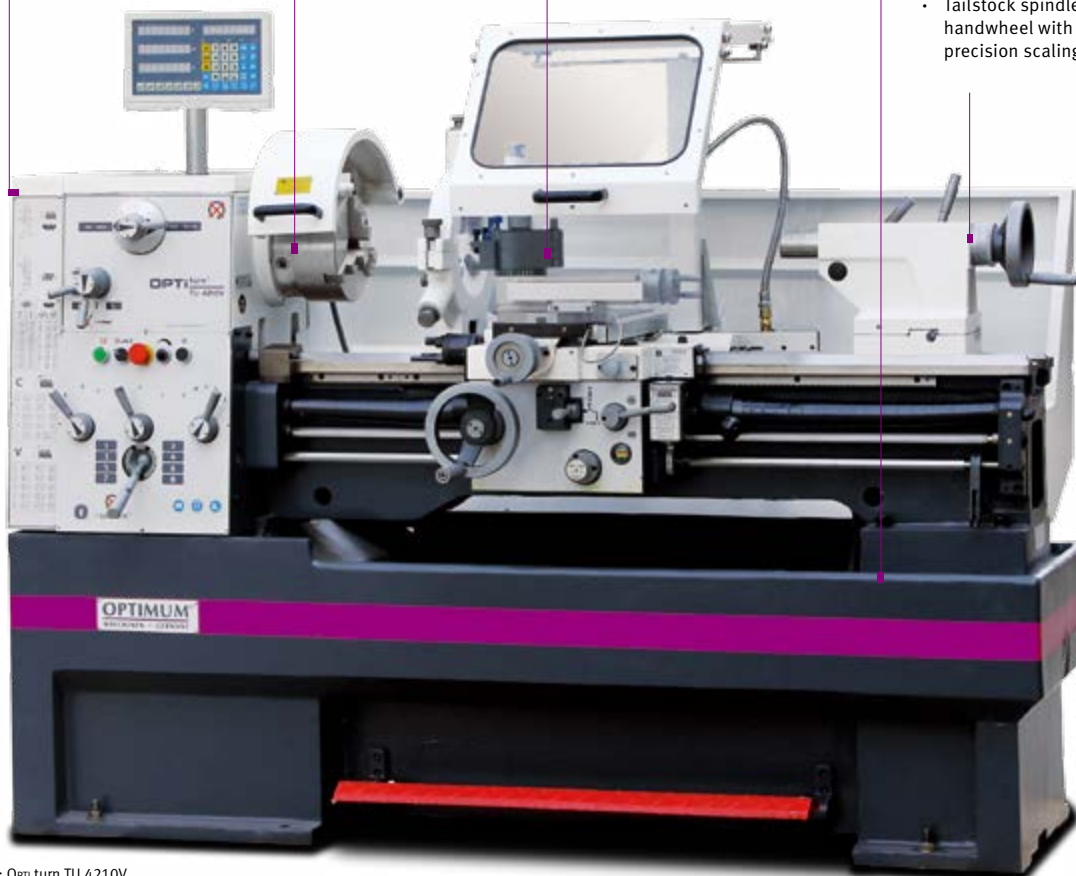
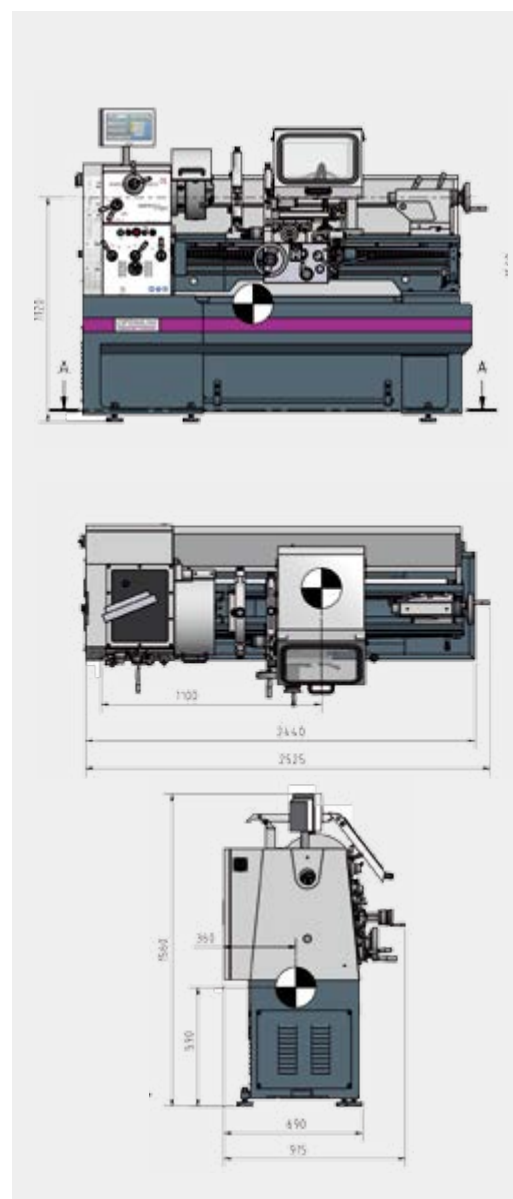


Fig.: Optimum TU 4210V

Type	TU 4210 V
Item No	340 3150
Machine datas	
Electrical connection	400 V / 3 Ph ~50 Hz
Total connected value	5.5 kW
Coolant equipment	100 W
Working areas	
Centre height	210 mm
Centre width	1'000 mm
Turning Ø over lathe bed	420 mm
Turning Ø over cross slide	250 mm
Turning Ø in the bed bridge	590 mm
Length of bed bridge	260 mm
Bed width	250 mm
Speeds	
Spindle speed	30 - 550 min ⁻¹ / 160 - 3'000 min ⁻¹ *
Number of steps	2 steps, electrically adjustable speed
Headstock	
Spindle taper	MT 6
Spindle seat	Camlock DIN ISO 702-2 Nr. 6
Spindle drilling, rod passage	Ø 52 mm
Slide	
Travel top slide	140 mm
Travel cross slide	230 mm
Longitudinal feed in the range of	0.05 - 1.7 mm/rev;
Transverse feed in the range of	0.025 - 0.85 mm/rev;
Pitch - Metric in the range of	0.2 - 14 mm/rec;
Pitch - Inch in the range of	72 - 2 threads/1";
Trapezoid thread in the range of	8 - 44;
Modular thread in the range of	0.3 - 3.5;
Quadruple tool holder seat height	Max. 20 x 20 mm
Tailstock	
Tailstock seat	MT 4
Tailstock - sleeve travel	120 mm
Dimensions	
Length x width x height	2'025 mm x 915 x 1'615 mm
Net weight	1'550 kg

* Speed under reserve



LATHE

Standard equipment	
• Three-jaw lathe chuck Ø 200 mm	• DPA 2000 S
• Four jaw lathe chuck Ø 250 mm with universally adjustable jaws	• Glass scales
• Face clamping disc Ø 350 mm	• Splash board mounted
• Reducing bush MT 6/MT 4	• Lathe chuck protection
• 2 steady centres MT 4	• Chip protection at the top slide
• Steady rest Passage Ø max. 145 mm	• Turret stop with fine adjustment
• Follow rest Passage Ø max. 75 mm	• Threading gauge
• Digital position display	• Quick action tool holder
	• Tool holder for square tools
	• Coolant equipment
	• Machine lamp
	• Change gear kit
	• Operating tool

Accessories	Item No
Three jaw chuck CS3C steel Ø 200 mm Speed 4'000 min ⁻¹	344 2550
Three jaw chuck CS3C steel Ø 250 mm Speed 3'500 min ⁻¹	344 2555
Four jaw chuck CS4C steel Ø 200 mm Speed 4'000 min ⁻¹	344 2650
Four jaw chuck CS4C steel Ø 250 mm Speed 3'500 min ⁻¹	344 2655
Please find more lathe chucks and non-rigid block jaws from page 104 on	
Revolving centre MT 3	344 0703
Collet chuck kit 3 - 25 mm, 5c, 17 pcs.	344 1509
Position limit stop with fine adjustment	344 1524
Universal collet attachment 5C	344 1506
Vibration damping machine foot SE 2	338 1016

LATHE MACHINE

车床 TM3110



优质、高效、高性价比

- 灰口铸钢床身加筋强度高，超音频淬火和精度打磨
- Z轴导轨经淬火和打磨
- 进给齿轮和圆形齿轮在油槽内运行
- 保证主轴端更高同心度（低于 0.015 mm）
- 卡盘同心度（低于 0.04 mm）
- 带四方刀架
- 所有导轨可用楔子调节
- 可通过控制面板调节正反转
- 淬火主轴带可调高精度锥度滚珠轴承
- 主轴端淬火
- 大主轴孔径 38mm
- 丝杆用于攻丝或自动纵向车削
- 带丝杆防护罩
- 尾架锥度车削可调 ± 5 mm
- 尾架主轴套筒和手轮带可调高精度刻度尺 0.02mm
- 夹紧手柄保证快速、轻松调节
- 拖板手轮带可调高精度刻度尺 0.04 / 0.01 mm

Convincing arguments: quality, efficiency and price

- Ribbed grey cast steel prism bed with strong ribbing, induction tempered and precision ground
- Tempered and polished z-axis guideway
- Free moving feed gear with rounded gear wheels running in an oil bath
- Guaranteed concentricity of spindle nose better than 0.015 mm
- Concentricity at chuck better than 0.04 mm
- Quadruple tool holder
- All guides adjustable using cleats
- Right-handed/left-handed rotation switchable via control panel
- Tempered main spindle borne on adjustable precision taper roller bearings
- Tempered spindle nose
- Large spindle bore 38 mm
- Leading spindle for thread tapping or automatic longitudinal turning
- Leading and feed spindles borne on two sintered bearings
- Automatic longitudinal/cross feeds
- Feed and lead spindle cover
- Tailstock adjustable ± 5 mm for turning spheres
- Tailstock spindle sleeve and handwheel with adjustable fine scaling 0.02mm
- Fast, easy adjustment without tools thanks to clamping lever
- Handwheels on slide with adjustable fine scaling 0.04 / 0.01 mm

- 安全防护装置
- Safety equipment



机床技术参数 /Specification

型号	Model	TM3110
货号	Item No.	4633300
电机功率	Motor power	1.5 Kw
主轴锥度	Spindle taper	MT5
主轴类型	Spindle seat	D4
主轴通孔直径	Spindle drilling,rod passage	Ø 38 mm
主轴中心高	Centre height	165mm
主轴转速	Spindle speed	65-2000 rpm
档位数	Steps of spindle	9
床身宽度/长度	Bed width/length	190mm/1500mm
床身上最大回转直径	Turning Ø over lathe bed	Ø 330 mm
拖板上最大回转直径	Turning Ø over cross slide	Ø 216 mm
中拖板行程	Travel cross slide	168 mm
小拖板行程	Travel top slide	90 mm
尾架套筒直径	Tailstock seat	Ø 38 mm
尾架套筒锥度	Tailstock - sleeve taper	MT3
尾架套筒行程	Tailstock - sleeve travel	100 mm
纵向进给范围	Longitudinal feed in the range of	0.02-0.4 mm
横向进给范围	Transverse feed in the range of	0.01-0.2 mm
公制螺纹范围	Pitch - Metric in the range of	0.4-10 mm
英制螺纹范围	Pitch - Inch in the range of	56-4TPI
外形尺寸	Length x width x height	1660×751×1297 mm
包装尺寸	Length x width x height	1750×820×685 mm
净重/毛重	Net weight/Gross weight	388/450 kg

标准附件：
 • 三爪卡盘 K11-200/D5
 • 挂轮
 • 四方刀架

可选附件：
 • 中心架
 • 跟刀架
 • 锥度装置
 • 花盘 Φ280
 • 快换刀架 SWH3-E

Standard Accessories:
 • 3-jaw chuck K11-200/D5
 • Change gear kit
 • Quadruple tool holder

Optional Accessories:
 • Steady rest
 • Follow rest
 • Tapet turning attachment
 • Face plate Φ280
 • Quickaction tool-holder SWE3-E

LATHE MACHINE

车 床 TM4010



优质、高效、高性价比

- 配置欧洲最新款卡盘防护罩
- 配置带刹车电机，刹车断电及时可靠
- 配置全防护刀架防护罩
- 配置整体床脚，外观造型更美观
- 配置 LED 节能灯，照明效果更好

Convincing arguments: quality, efficiency and price

- New style European chuck guard
- New brake motor system, more timely and reliable for brake and power cut
- Full-protection tool-post guard
- Integral stand, appearance and style much nicer
- LED lamp, save more power and better lighting effect

主轴

- 好的同心度
- 高承载能力
- 精密锥度滚珠轴承支撑

Spindle

- Perfect concentricity
- High loading capacity
- Mounted in precision taper roller bearings

工作灯

- 能完全照射到工作区域

Machine lamp

- Complete illumination to the working area



快换刀架(可选)
Quick action tool holder(optional)

尾架

- 经淬火和精密磨削的套筒
- 大尺寸
- 套筒带刻度

Tailstock

- Hardened and ground sleeves
- Largely dimensioned
- Sleeve with scale



整体床脚
one piece base

TM 4010



直流控制

- 动作响应速度快，转速稳定

DC control

- Fast response, stable running



主轴刹车

- 主轴电机带电磁制动，刹车停止快，动作准确

Brake motor

- spindle motor with electro-magnetic brake, fast stop by brake, accurate operation

六边形结构床身

- 高强度加强筋
- 高强度

Hexagon structure bed

- Heavily ribbed special cast
- High rigidity



机床技术参数 /Specification

型号	Model	TM4010
货号	Item No.	4640300
电机功率	Motor power	2.2 Kw
水泵电机功率	Motor coolant pump	100 W
主轴电机功率	Spindle Motor	2.2 Kw
主轴锥度	Spindle taper	MK4
主轴类型	Spindle seat	D5
主轴通孔直径	Spindle drilling, rod passage	Ø 53 mm
主轴中心高	Centre height	200 mm
主轴中心距	Centre width	1000 mm
床身上最大回转直径	Turning Ø over lathe bed	Ø 400 mm
拖板上最大回转直径	Turning Ø over cross slide	Ø 250 mm
主轴转速	Spindle speed	2000/1255/755/460/300/190/155/70 rpm
档位数	Steps of spindle	8
小拖板行程	Travel top slide	98 mm
中拖板行程	Travel cross slide	185 mm
纵向进给范围	Longitudinal feed in the range of	0.014-0.38 mm
横向进给范围	Transverse feed in the range of	0.052-1.392 mm
公制螺纹范围	Pitch - Metric in the range of	0.4-7 mm
英制螺纹范围	Pitch - Inch in the range of	5/6-4 mm
刀架安装座最大高度	Tool holder seat height(max.)	30 mm
尾架套筒直径	Tailstock seat	Ø 50 mm
尾架套筒行程	Tailstock - sleeve travel	0-110 mm
外形尺寸	Length x width x height	1950×820×1530 mm
净重/毛重	Net weight/Gross weight	500/598 kg

标准附件：

- LED 工作灯 CLL40S12DBS6HN
- 冷却泵 400V 3Ph 50Hz 100W
- 三爪卡盘 K11-200/D5
- 中心架 Φ10- Φ100 mm
- 跟刀架 Φ10- Φ60 mm
- 四方刀架
- 电磁离合器主轴刹车

可选附件：

- 四爪卡盘 K72-200/D5
- 数显表
- 乱扣盘
- 花盘 Φ330/D5
- 卡盘护罩
- 刀架护罩
- 丝杆防护罩
- 一体一夹欧式 3-E 快换刀架 SWH3-E

Standard Accessories:

- LED Machine lamp CLL40S12DBS6HN
- Coolant pump 400V 3Ph 50Hz 100W
- 3-jaw chuck K11-200/D5
- Steady rest Φ10- Φ100 mm bronze bushes
- Follow rest Φ10- Φ60 mm roll
- Quadruple tool holder
- Brake motor

Optional Accessories:

- 4-jaw chuck K72-200/D5 cast
- Digital position display
- Threading watch
- Face plate Φ330/D5
- Chuck cover
- Tool-post guard
- Leadscrew cover
- One-body one-holder European 3-E quickaction tool-holder SWE3-E



3444415
定长装置 HSP52
3444415
Hollow stop HSP52

LATHE MACHINE

车床 TX 4412/TX 5216/TX 6222



主轴

- 好的同心度
- 高承载能力
- 精密锥度滚珠轴承支撑

Spindle

- Perfect concentricity
- High loading capacity
- Mounted in precision taper roller bearings

工作灯

- 能完全照射到工作区域

Machine lamp

- Complete illumination to the working area

快换刀架(可选)

Quick action tool holder(optional)

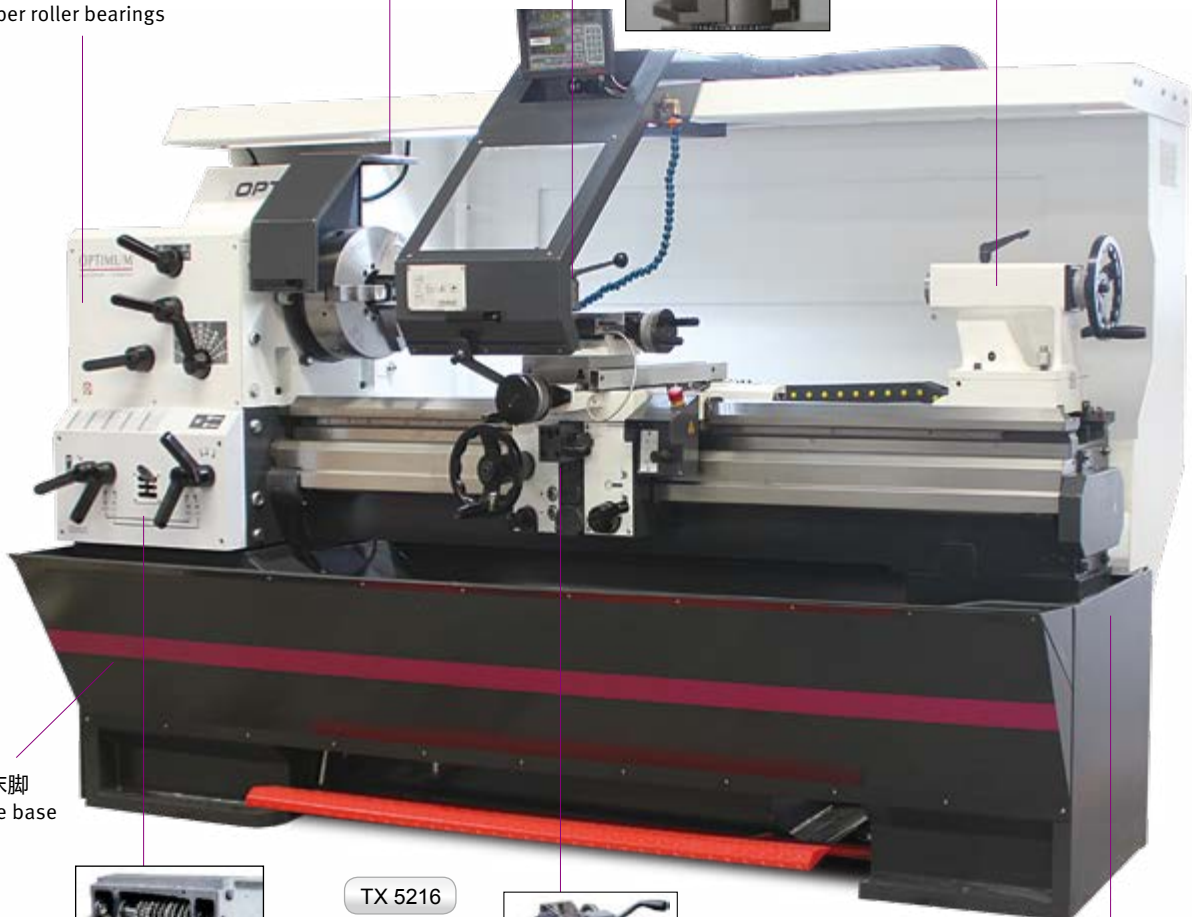


尾架

- 经淬火和精密磨削的套筒
- 大尺寸
- 套筒带刻度

Tailstock

- Hardened and ground sleeves
- Largely dimensioned
- Sleeve with scale



整体床脚

one piece base



进给齿轮

- 所有齿轮均为钢件制作
- 淬火加精磨
- 轴安装在滚针轴承上
- 所有部件都有润滑

Feed gear

- All gears made of steel
- hardened and precision ground
- Shafts on needle bearings
- All components are lubricated in an oil bath

TX 5216



溜板箱

- 完整密封的箱体
- 带有安全防护以免车螺纹和进给机构同时操作

Apron

- Completely sealed housing
- With safety equipment against operation of threading and feed mechanism at the same time



棱柱床身

- 高强度加强筋
- 高强度

Prism bed

- Heavily ribbed special cast
- High rigidity



3444420 定长装置 HSP80
(用于TX5216车床)
3444420 Hollow stop HSP80
(TX5216 Lathe Machine)



3444425 定长装置 HSP105
(用于TX6222车床105孔)
3444425 Hollow stop HSP105
(TX6222 Lathe Machine)

机床技术参数 / Specification

型号	Model	TX 4412	TX 5216	TX 6222
货号	Item No.	4244300	4254400	4262500
电压	Electrical connection	3 x 400 V ~50 Hz	3 x 400 V ~50 Hz	3 x 400 V ~50 Hz
电机功率	Drive motor	4 KW	5.5 KW	7.5 KW
加工范围	Work areas			
主轴中心高	Centre height	220 mm	260 mm	310 mm
主轴中心距	Centre width	1200 mm	1600 mm	2200 mm
床身宽度	Width of bed	300 mm	350 mm	350 mm
床身上最大回转直径	Turning Ø over lathe bed	Ø440 mm	Ø520 mm	Ø620 mm
马鞍板上最大回转直径	Turning Ø in the bed bridge	Ø640 mm	Ø780 mm	Ø880 mm
拖板上最大回转直径	Turning Ø over cross slide	Ø210 mm	Ø324 mm	Ø424 mm
花盘前马鞍板的有效长度	Turning length in the bed bridge from face plate	250 mm	280 mm	280 mm
主轴	Headstock			
主轴通孔	Spindle bore	Ø52 mm	Ø80 mm	Ø105 mm
主轴锥度	Main spindle taper	MT6	MT7(Ø80)	1:20(Ø105)
主轴转速	Spindle speeds	40-2200 rpm	30-1500 rpm	40-1650 rpm
档位数	Speed step	12 steps	12 steps	12 steps
进给及螺纹	Feed and thread pitch			
纵向进给范围	Longitudinal feed	0.05 - 0.75 mm/rev	0.05 - 1.5 mm/rev	0.05 - 1.5 mm/rev
横向进给范围	Cross feed	0.025 - 0.375 mm/rev	0.025 - 0.75 mm/rev	0.025 - 0.75 mm/rev
公制螺纹范围	Metric thread	0.5 - 7.5 mm/rev	0.5 - 15 mm/rev	0.5 - 15 mm/rev
大丝杆规格	Pitch lead screw	6 mm	12 mm	12 mm
拖板	Carriage			
中拖板行程	Travel cross slide	300 mm	350 mm	350 mm
小拖板行程	Travel top slide	130 mm	170 mm	170 mm
尾架	Tailstock			
尾架套筒直径	Quill diameter	Ø58 mm	Ø72 mm	Ø72 mm
尾架套筒行程	Sleeve stroke	155 mm	180 mm	180 mm
套筒内孔锥度	Taper in the sleeve	MT4	MT5	MT5
外形尺寸	Dimensions			
长 x 宽 x 高	Length x width x height	2288x1050x1740 mm	2860x1150x1780 mm	3460x1150x1830 mm
净重	Total weight	2100 kg	2470 kg	2800 kg

标准附件 : (TX5216)

- LED 工作灯 CLL40S24DBS6HN-5630
- 冷却泵 400V 3Ph 50Hz 100W
- 三爪卡盘 K11-315/D8
- 大托板快速进给
- 四工位行程挡铁
- 四方刀架
- 主轴电磁刹车

Standard Accessories: (TX5216)

- LED Machine lamp CLL40S24DBS6HN-5630
- Coolant pump 400V 3Ph 50Hz 100W
- 3-jaw chuck K11-315/D8
- Rapid-feed on carriage
- 4-station length stop
- Quadruple tool holder
- Spindle electro-magnetic brake

可选附件 : (TX5216)

- 四爪卡盘 K72-350/D8
- 中心架 Φ10-185 mm
- 跟刀架 Φ15-125 mm
- 花盘 Φ480/D1-8
- 卡盘护罩
- 刀架护罩
- 丝杆防护罩
- 一体一夹欧式 5-B 快换刀架 SWH5-B
- NEWALL 球栅三轴
- 三轴数显

Optional Accessories: (TX5216)

- 4-jaw chuck K72-350/D8 cast
- Steady rest Φ10- Φ185 mm bronze bushes
- Follow rest Φ15- Φ125 mm roll
- Face plate Φ480/D1-8
- Chuck cover
- Tool-post guard
- Leadscrew cover
- One-body one-holder European 5-B quickaction tool-holder SWE5-B
- NEWALL 3-axis ball grid DRO
- DPA21

VARIABLE SPEED MINI LATHE

无级变速小车床 TURNER 140x250V/ TURNER 180x300V



细节展示 Details



- 头箱控制板
- Head stock control board



- 刀架与拖板
- Tool post & slide



- 三爪卡盘
- 3 jaw chuck



- 精密强力切削刀架
- Precision solid tool post



- 速度控制, 主轴支撑采用双锥形滚珠轴承
- Speed control, spindle mounted in dual taper ball bearing



- 尾架可调整切削锥度
- Tailstock adjustable with cutting taper

机床技术参数 /Specification

型号	Model	Turner 140V	Turner 180V
产品编号	Code No.	4114000	4118000
加工范围	Capacity		
床身上最大回转直径	Swing over bed	Ø140 mm	Ø180 mm
拖板上最大回转直径	Swing over cross slide	Ø78 mm	Ø120 mm
两顶尖中心距	Admits between	250 mm	300 mm
主轴中心高	Center height	70 mm	90 mm
床身宽度	Width of bed	70 mm	100 mm
主轴	HEADSTOCK		
主轴通孔直径	Spindle bore	Ø11 mm	Ø21 mm
主轴内孔锥度	Taper of spindle bore	MT1	MT3
主轴转速范围	Range of spindle speed	150-3000 rpm	150-2500 rpm
进给及螺纹	FEEDS AND THREADS		
小拖板最大纵向行程	Compound rest travel	40 mm	75 mm
中拖板最大横向行程	Cross slide travel	55 mm	100 mm
车刀刀杆最大截面	Max.Section of tool	8×8 mm	10×10 mm
公制螺纹范围	Threads metric pitches	0.5-1 mm	0.5-3 mm
英制螺纹范围	Threads imperial pitches	5-15 TPI	10-44 TPI
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	Ø18 mm	Ø25 mm
尾座套筒行程	Quill travel	50 mm	60 mm
尾座套筒内孔锥度	Quill taper	MT1	MT2
电机	MOTOR		
主电机功率	Main motor power	230 V or 110 V/ 350 W	600 W
外形尺寸及重量	DIMENSION AND WEIGHT		
外形尺寸 (长×宽×高)	Overall dimension(L×W×H)	550×255×280 mm	740×390×310 mm
包装箱尺寸 (长×宽×高)	Packing size(L×W×H)	720×415×345 mm	810×470×440 mm
净重/毛重	Net weight/Gross weight	23/26 kg	61/71 kg

LATHE

标准附件：

- 三爪卡盘 Φ80 (Turner 140)
Φ100 (Turner 180)
- 死顶尖 MT1
- 挂轮
- 六角扳手
- 挡屑板
- 油盘
- 油枪

Standard Accessories:

- 3-jaw chuck Φ80 (Turner 140)
Φ100 (Turner 180)
- Dead center MT1
- Change gears kit
- Hexagon wrench
- Splash guard
- Chip tray
- Oil gun

可选附件：

- 中心架 Φ2-50 (Turner180)
- 跟刀架 Φ2-50 (Turner180)
- 车刀 8×8mm
- 活顶尖 MT1
- ER16 弹簧夹头
- ER16 弹簧夹头座
- 花盘 Φ80-140mm(Turner180)
- 四爪卡盘 Φ80 (Turner 140)
Φ100 (Turner 180)
- 法兰盘 Φ80 (Turner 140)
Φ100 (Turner 180)

Optional Accessories:

- Steady rest Φ2-50 (Turner180)
- Follow rest Φ2-50 (Turner180)
- Turning tools 8×8mm
- Live center MT1
- ER16 collet
- ER16 collet chuck
- Face plate Φ80-140mm(Turner180)
- 4-jaw chuck Φ80 (Turner 140)
Φ100 (Turner 180)
- Back plate Φ80 (Turner 140)
Φ100 (Turner 180)

LATHE MACHINE

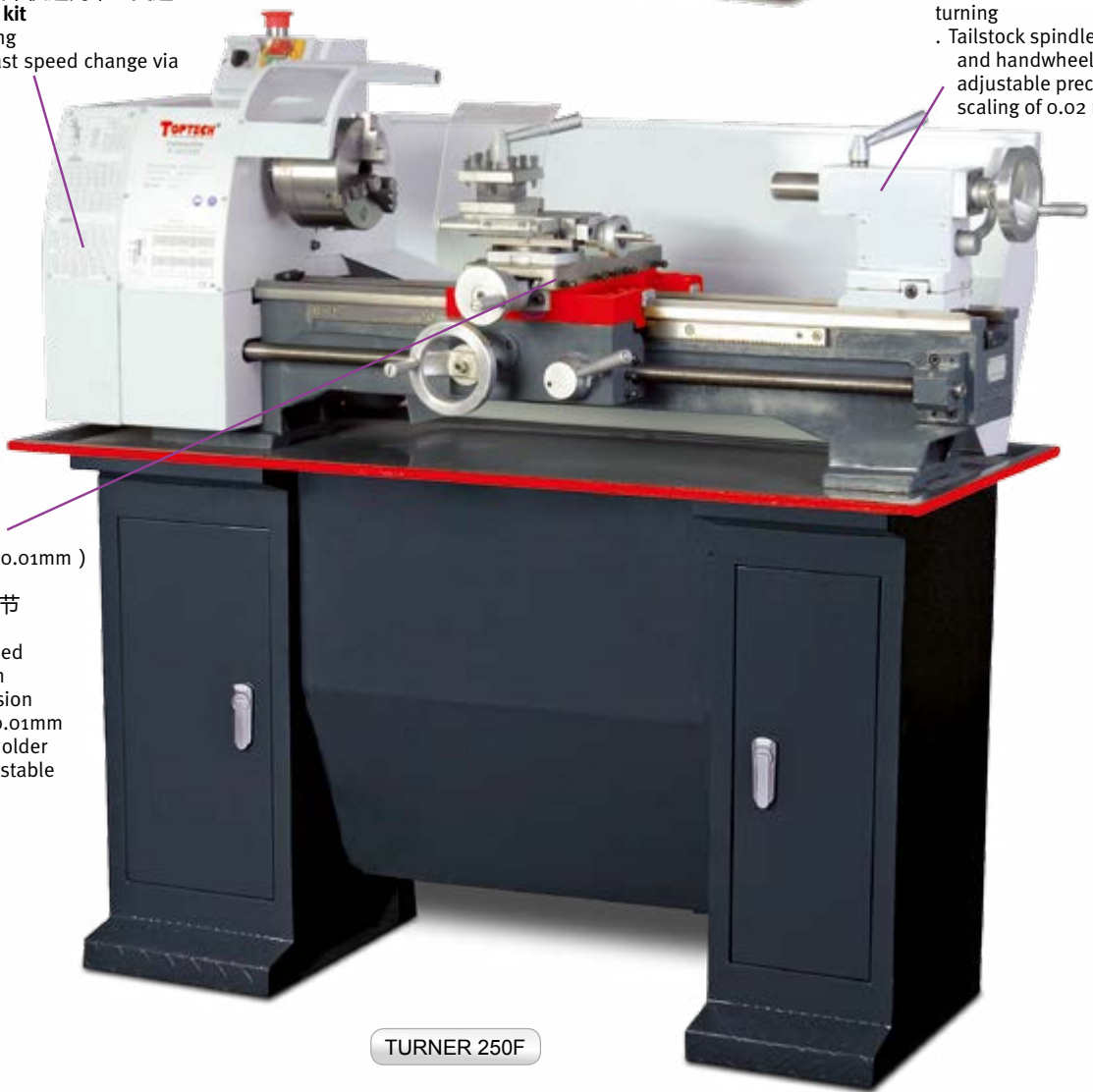
车床 TURNER 210(V)/TURNER 250F(V)



TURNER 210V

- 挂轮组
- . 攻丝
 - . 通过 V 形皮带快速简单地变速
- Change gear kit**
- . For threading
 - . Easy and fast speed change via V-belts

- 尾架
- . 可调节车前锥度
 - . 带有 0.02mm 精度可调的尾架套筒和手轮
- Tailstock**
- . Adjustable for taper turning
 - . Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm



- 拖板
- . 精加工
 - . 可调精度(0.04/0.01mm)
 - . 四方刀架
 - . 所有导轨均可调节
- Slide**
- . Precisely machined
 - . Handwheels with adjustable precision scaling of 0.04/0.01mm
 - . Quadruple tool holder
 - . All guidings adjustable via Vledges

TURNER 250F

机床技术参数 /Specification

型号	Model	Turner 210x400	Turner 210x400 Vario	Turner 250F	Turner 250F V
产品编号	Code No.	4121002(230V)	4421000	4125102(230V)	4425100
产品编号	Code No.	4121003(400V)		4125103(400V)	
加工范围	Capacity				
床身上最大回转直径	Swing over bed	Ø210 mm	Ø210 mm	Ø250 mm	Ø250 mm
拖板上最大回转直径	Swing over cross slide	Ø110 mm	Ø110 mm	Ø150 mm	Ø150 mm
两顶尖中心距	Admits between	330 mm	330 mm	550 mm	550 mm
主轴中心高	Center height	105 mm	105 mm	125 mm	125 mm
床身宽度	Width of bed	135 mm	135 mm	135 mm	135 mm
主轴	HEADSTOCK				
主轴通孔直径	Spindle bore	Ø21 mm	Ø21 mm	Ø21 mm	Ø21 mm
主轴内孔锥度	Taper of spindle bore	MT3	MT3	MT3	MT3
主轴转速范围	Range of spindle speed	125-2000 rpm	150-2200 rpm	125-2000 rpm	150-2200 rpm
进给及螺纹	FEEDS AND THREADS				
小拖板最大行程	Top slide travel	75 mm	75 mm	75 mm	75 mm
中拖板最大行程	Cross slide travel	110 mm	110 mm	120 mm	120 mm
车刀刀杆最大截面	Max.Section of tool	12x12 mm	12x12 mm	12x12 mm	12x12 mm
公制螺纹范围	Threads metric pitches	0.4-3.5 mm	0.4-3.5 mm	0.4-3.5 mm	0.4-3.5 mm
英制螺纹范围	Threads imperial pitches	8-44 TPI	8-44 TPI	8-44 TPI	8-44 TPI
尾座	QUILL				
尾座套筒直径	Quill diameter	Ø30 mm	Ø30 mm	Ø30 mm	Ø30 mm
尾座套筒行程	Quill travel	70 mm	70 mm	70 mm	70 mm
尾座套筒内孔锥度	Quill taper	MT2	MT2	MT2	MT2
横向调整	Cross adjustment	±5 mm	±5 mm	±5 mm	±5 mm
电机	MOTOR				
主电机功率	Main motor power	750 W	750 W	750 W	1100 W
外形尺寸及重量	DIMENSION AND WEIGHT				
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	880x500x480 mm	880x500x480 mm	1100x500x500 mm	1100x500x500 mm
包装箱尺寸 (长x宽x高)	Packing size(LxWxH)	980x560x560 mm	980x560x560 mm	1200x560x570 mm	1200x560x570 mm
净重/毛重	Net weight/Gross weight	114/130 kg	114/130 kg	127/145 kg	127/145 kg

标准附件：

- 三爪卡盘 Φ100(Turner 210(V))
Φ125(Turner 250F(V))
- 顶尖 MT2/MT3
- 挂轮
- 各种扳手
- 油盘

Standard Accessories:

- 3-jaw chuck Φ100(Turner 210(V))
Φ125(Turner 250F(V))
- Dead center MT2/MT3
- Change gears kit
- Hexagon wrench
- Chip tray

可选附件：

- 中心架 Φ2-60(Turner 210(V))
Φ2.5-60(Turner 250F(V))
- 跟刀架 Φ2-60(Turner 210(V))
Φ2.5-60(Turner 250F(V))
- 花盘 Φ80-150mm(Turner 210(V))
Φ90-200mm(Turner 250F(V))
- 床脚
- 组合车刀 10mm/7 件
- 四爪卡盘 Φ100(Turner 210(V))
Φ125(Turner 250F(V))
- 活顶尖 MT2
- 工作灯 JC34A
- 冷却泵
- 快换刀架

Optional Accessories:

- Steady rest Φ2-60(Turner 210(V))
Φ2.5-60(Turner 250F(V))
- Follow rest Φ2-60(Turner 210(V))
Φ2.5-60(Turner 250F(V))
- Face plate Φ80-150mm(Turner 210(V))
Φ90-200mm(Turner 250F(V))
- Stand
- Cutting tool set 10mm/7pcs
- 4-jaw chuck Φ100(Turner 210(V))
Φ125(Turner 250F(V))
- Live center MT2
- Lamp JC34A
- Coolant pump
- Quick change tool post

LATHE MACHINE

车床 TURNER 240(V)/TURNER 280F(V)

优质、高效、高性价比

- 超音频淬火床身
- 强功率电机
- 欧洲标准安全磁性开关

标准附件：

- 三爪卡盘 $\Phi 125$
- 顶尖 MT2/MT4
- 挂轮
- 各种扳手
- 油盘

Standard Accessories:

- 3-jaw chuck $\Phi 125$
- Dead center MT2/MT4
- Change gears kit
- Hexagon wrench
- Chip tray

Convincing arguments: quality, efficiency and price

- Induction harden bedway
- Enough strong power motor
- Euro-safety magnetic switch or lock key switch

可选附件：

- 中心架 $\Phi 2.5-60$
- 跟刀架 $\Phi 2.5-60$
- 花盘 $\Phi 90-200\text{mm}$ (Turner 240(V))
 $\Phi 90-240\text{mm}$ (Turner 280F(V))
- 四爪卡盘 $\Phi 125\text{mm}$
- 法兰盘
- 活顶尖 MT2
- 工作灯 JC34A
- 冷却泵 AB-12
- 快换刀架
- 床脚

Optional Accessories:

- Steady rest $\Phi 2.5-60$
- Follow rest $\Phi 2.5-60$
- Face plate $\Phi 90-200\text{mm}$ (Turner 240(V))
 $\Phi 90-240\text{mm}$ (Turner 280F(V))
- 4-jaw chuck $\Phi 125\text{mm}$
- Back plate
- Live center MT2
- Lamp JC34A
- Coolant pump AB-12
- Quick change tool post
- Stand



TURNER 280F



TURNER 240

机床技术参数 / Specification

型号	Model	Turner240x500	Turner240x500 Vario	Turner 280F	Turner 280FV
产品编号	Code No.	4124102(230V)	4424100	4128102(230V)	4428100
产品编号	Code No.	4124103(400V)		4128103(400V)	
加工范围	Capacity				
床身上最大回转直径	Swing over bed	Ø250 mm	Ø250 mm	Ø280 mm	Ø280 mm
拖板上最大回转直径	Swing over cross slide	Ø150 mm	Ø150 mm	Ø170 mm	Ø170 mm
两顶尖中心距	Admits between	550 mm	550 mm	700 mm	700 mm
主轴中心高	Center height	125 mm	125 mm	140 mm	140 mm
床身宽度	Width of bed	135 mm	135 mm	180 mm	180 mm
主轴	HEADSTOCK				
主轴通孔直径	Spindle bore	Ø26 mm	Ø26 mm	Ø26 mm	Ø26 mm
主轴内孔锥度	Taper of spindle bore	MT4	MT4	MT4	MT4
主轴转速范围	Range of spindle speed	125-2000 rpm	50-2200 rpm	150-2000 rpm	50-2200 rpm
进给及螺纹	FEEDS AND THREADS				
小拖板最大行程	Top slide travel	75 mm	75 mm	60 mm	60 mm
中拖板最大行程	Cross slide travel	120 mm	120 mm	150 mm	150 mm
车刀刀杆最大截面	Max.Section of tool	12X12 mm	12X12 mm	14X14 mm	14X14 mm
公制螺纹范围	Threads metric pitches	0.2-3.5 mm	0.2-3.5 mm	0.2-3.5 mm	0.2-3.5 mm
英制螺纹范围	Threads imperial pitches	8-56 TPI	8-56 TPI	8-56 TPI	8-56 TPI
尾座	TAILSTOCK				
尾座套筒直径	Quill diameter	Ø30 mm	Ø30 mm	Ø30 mm	Ø30 mm
尾座套筒行程	Quill travel	70 mm	70 mm	105 mm	105 mm
尾座套筒内孔锥度	Quill taper	MT2	MT2	MT2	MT2
横向调整	Cross adjustment	±5 mm	±5 mm	±5 mm	±5 mm
电机	MOTOR				
主电机功率	Main motor power	750 W	1.1 KW	850 W DC	1.1 KW DC
外形尺寸及重量	DIMENSION AND WEIGHT				
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	1110x500x500 mm	1110x500x500 mm	1220x660x560 mm	1220x660x560 mm
包装箱尺寸(长x宽x高)	Packing size(LxWxH)	1200x560x570 mm	1200x560x570 mm	1320x700x680 mm	1320x700x680 mm
净重/毛重	Net weight/Gross weight	138/156 kg	138/156 kg	196/225 kg	196/225 kg

MULTIFUNCTION LATHE MACHINE

多功能车床 TURNER 250M(V)/TURNER 280M(V)

优质、高效、高性价比

- 超音频淬火床身
- 强功率电机
- 欧洲标准安全磁性开关

Convincing arguments: quality, efficiency and price

- Induction harden bedway
- Enough strong power motor
- Euro-safety magnetic switch or lock key switch



TURNER 250M



TURNER 280M

机床技术参数 /Specification

型号	Model	Turner 250 M	Turner 250 MV	Turner 280 M	Turner 280 MV
产品编号	Code No.	4325000	4325100	4328000	4328100
车床	LATHE				
床身上最大回转直径	Swing over bed	Ø250 mm	Ø250 mm	Ø280 mm	Ø280 mm
两顶尖中心距	Distance between centers	550 mm	550 mm	700 mm	700 mm
主轴孔径	Spindle bore	Ø21 mm	Ø21 mm	Ø26 mm	Ø26 mm
主轴锥度	Spindle taper	MT3	MT3	MT4	MT4
主轴转速	Spindle speeds	125-2000 rpm	150-2200 rpm	125-2000 rpm	50-2200 rpm
尾架套筒锥度	Tailstock taper	MT2	MT2	MT2	MT2
公制螺距	Pitch-metric	0.4-3.5 mm	0.4-3.5 mm	0.2-3.5 mm	0.2-3.5 mm
英制螺距	Pitch-inch	8-44 TPI	8-44 TPI	8-56 TPI	8-56 TPI
电机功率	Motor power	750 W	1.1 KW	850 W	1.1 KW
钻铣床	MILL&DRILL				
最大钻孔直径	Max.drilling capacity	Ø16 mm	Ø16 mm	Ø20 mm	Ø20 mm
最大面铣能力	Face milling capacity(Max.)	Ø50 mm	Ø50 mm	Ø63 mm	Ø63 mm
最大立铣能力	End milling capacity(Max.)	Ø16 mm	Ø16 mm	Ø20 mm	Ø20 mm
主轴手动升降行程	Spindle travel manually	175 mm	175 mm	185 mm	185 mm
主轴锥度	Spindle taper	MT2/M10	MT2/M10	MT2/M10	MT2/M10
主轴转速	Spindle speed	100-3000 rpm	100-3000 rpm	100-3000 rpm	100-3000 rpm
套筒行程	Sleeve travel	50 mm	50 mm	50 mm	50 mm
T型槽尺寸 / 长度 / 数量	T-Slots size / Distance / Number	10 mm / 35 mm / 3	10 mm / 35 mm / 3	12 mm / 63 mm / 3	12 mm / 63 mm / 3
Z 轴行程	Z-axis travel	200 mm	200 mm	280 mm	280 mm
Y 轴行程	Y-axis travel	140 mm	140 mm	170 mm	170 mm
电机功率	Motor power	500 W	500 W	750 W	750 W
包装尺寸	Packing size	1200x620x1060 mm	1200x620x1060 mm	1370x750x1010 mm	1370x750x1010 mm
净重 / 毛重	Net weight / Gross weight	192/208 kg	192/208 kg	266/290 kg	266/290 kg

标准附件 :

- 三爪卡盘 Φ125
- 顶尖 MT3
- 挂轮
- M1.5:30,40,42,52,60,70,75(TURNER 250M)
- M1.5:30,45,50,60(2),65,85(TURNER 280M)
- 各种扳手
- 挡屑板

Standard Accessories:

- 3-jaw chuck Φ125
- Dead center MT3
- Change gears kit
- M1.5:30,40,42,52,60,70,75(TURNER 250M)
- M1.5:30,45,50,60(2),65,85(TURNER 280M)
- Hexagon wrench
- Splash guard

可选附件 :

- 中心架 Φ2.5-60
- 跟刀架 Φ2.5-60
- 花盘 Φ90-200mm(Turner 250M)
- Φ90-240mm(Turner 280M)
- 四爪卡盘 Φ125mm
- 法兰盘
- 活顶尖 MT2
- 工作灯 JC34A
- 冷却泵
- 快换刀架
- 床脚

Optional Accessories:

- Steady rest Φ2.5-60
- Follow rest Φ2.5-60
- Face plate Φ90-200mm(Turner 250M)
- Φ90-240mm(Turner 280M)
- 4-jaw chuck Φ125mm
- Back plate
- Live center MT2
- Lamp JC34A
- Coolant pump
- Quick change tool post
- Stand

LATHE MACHINE

车 床 TU 2907

NEW



机床技术参数 /Specification

TU 2907

型号	Model	TU2907
货号	Item No.	4429100
两顶尖距离	Distance between centers	700 mm
床身回转直径	Swing over bed	Ø290 mm
中拖板回转直径	Swing over cross slide	Ø175 mm
床身宽度	Width of bed	180 mm
电机功率	Motor power	1100 W
主轴转速	Range of Spindle speed	150-2000 rpm
横向进给速度	Range of cross feed	0.0085-0.12 mm/rev
纵向进给速度	Range of longitudinal feed	0.07-1.0 mm/rev
英制螺纹	Range of imperial thread	8-56 TPI
公制螺纹	Range of metric thread	0.2-4 mm
主轴锥度	Spindle taper	MT4
主轴通孔直径	Spindle hole	Ø26 mm
小拖板行程	Travel top slide	60 mm
中拖板行程	Travel cross slide	140 mm
尾架套筒行程	Tailstock quill travel	80 mm
尾架套筒锥度	Taper of tailstock quill	MT2
包装尺寸	Packing size	1320x700x690 mm
净重	Net weight	195 kg

标准附件：

- 三爪卡盘 Ø125mm
- 四爪卡盘 Ø125mm
- 花盘 Ø250mm
- 顶尖 MT2/MT4
- 刀架防护
- 车床卡盘防护罩
- 四方刀架
- 挂轮
- 工具箱

Standard accessories

- Three-jaw chuck Ø 125 mm
- Four-jaw chuck Ø 125 mm
- Face plate Ø 250 mm
- Center MT2/MT4
- Tool post guard
- Lathe chuck protection
- Quadruple tool holder
- Change gear kit
- Toolbox

LATHE MACHINE

车 床 TU 3008/TU 3008V



TU3008



3444410
定长装置 HSP38
3444410
Hollow stop HSP38



TU3008V

机床技术参数 /Specification

		TU3008	TU3008V
型号	Model	TU3008	TU3008V
货号	Item No.	4130200	4430200
加工范围	Capacity		
床身上最大回转直径	Turning ϕ over lathe bed	$\phi 310$ mm	$\phi 310$ mm
拖板上最大回转直径	Turning ϕ over cross slide	$\phi 190$ mm	$\phi 190$ mm
两顶尖距离	Admits between	750 mm	750 mm
主轴中心高	Center height	158 mm	158 mm
床身宽度	Width of bed	180 mm	180 mm
主轴	Headstock		
主轴通孔直径	Spindle bore	$\phi 38$ mm	$\phi 38$ mm
主轴内孔锥度	Spindle taper	MT5	MT5
主轴转速范围	Spindle speed	150/300/600/500 /1000/2000 rpm	30-300/70-700/140-1400 /200-2000/300-3000 rpm
进给及螺纹	Feed and thread		
小拖板最大行程	Top slide travel	65 mm	65 mm
中拖板最大行程	Cross slide travel	150 mm	150 mm
公制螺纹范围	Threads metric pitches	0.2-3.5 mm/U	0.2-3.5 mm/U
英制螺纹范围	Threads inch pitches	56-8 threads/inch	56-8 threads/inch
尾架	Tailstock		
尾架套筒直径	Quill diameter	$\phi 38$ mm	$\phi 38$ mm
尾架套筒行程	Quill travel	70 mm	70 mm
尾架套筒内孔锥度	Quill taper	MT3	MT3
电机	Motor		
电压	Electric tension	400 V	230 V
电机功率	Motor power	1.1 KW	1.5 KW
尺寸及重量	Dimension and weight		
外形尺寸	Overall dimension	1525×705×583 mm	1525×705×583 mm
包装尺寸	Packing size	1500×720×690 mm	1500×720×690 mm
毛重	Gross weight	260 kg	260 kg

LATHE MACHINE

车 床 TU 3008G



优质、高效、高性价比

- 全新的齿轮箱变速结构，通过拨档齿轮啮合来变换主轴转速，操作便捷，换速可靠
- 相对于皮带换速，不需要拆装挂轮罩，节省了操作者的工作时间，提高了工作效率
- 具有传动安全可靠，传动精度高等优点

Convincing arguments: quality, efficiency and price

- Adopt brand-new gear-box transmission structure and change the spindle speed through the shift gear engagement which is more convenient by operation and more reliable when change the speed
- Compared to speed change by belt, no need to disassembly and assembly the change-gear cover which can save the working time of operator and also improve the working efficiency
- More safety and reliable by transmission, and higher transmission accuracy

预备

- 预先加工的磁栅槽 X 轴和 Z 轴
- Preparation
- Prepared for measurement system mounting the X and Z axis

拖板

- 四方刀架
- 所有导轨均可调节
- 大尺寸的刀架防护罩

Slide

- Quadruplicate tool holder
- All guideways adjustable via
- V-ledges free of play
- Big dimensioned chip protection at the top slide

尾架

- 可调节车前锥度
- 带有 0.02mm 精度可调的尾架套筒和手轮
- 通过锁紧手柄快速方便调节尾架

Tailstock

- Adjustable for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling of 0.02 mm
- Rapid and easy adjustment of the tailstock by means of a clamping lever



TU3008G

机床技术参数 /Specification

型号	Model	TU3008G
货号	Item No.	4530200
加工范围	Capacity	
床身上最大回转直径	Turning \varnothing over lathe bed	\varnothing 310 mm
拖板上最大回转直径	Turning \varnothing over cross slide	\varnothing 190 mm
两顶尖距离	Admits between	750 mm
主轴中心高	Center height	158 mm
床身宽度	Width of bed	180 mm
主轴	Headstock	
主轴通孔直径	Spindle bore	\varnothing 38 mm
主轴内孔锥度	Spindle taper	MT5
主轴转速范围	Spindle speed	180/320/560/820/1500/2600 rpm
进给及螺纹	Feed and thread	
小拖板最大行程	Top slide travel	65 mm
中拖板最大行程	Cross slide travel	150 mm
公制螺纹范围	Threads metric pitches	0.2-3.5 mm/U
英制螺纹范围	Threads inch pitches	56-8 threads/inch
尾架	Tailstock	
尾架套筒直径	Quill diameter	\varnothing 38 mm
尾架套筒行程	Quill travel	70 mm
尾架套筒内孔锥度	Quill taper	MT3
电机	Motor	
电压	Electric tension	400 V
电机功率	Motor power	1.1 KW
尺寸及重量	Dimension and weight	
外形尺寸	Overall dimension	1525×672×602 mm
包装尺寸	Packing size	1500×720×730 mm
毛重	Gross weight	243 kg

标准附件：

- 三爪卡盘 \varnothing 160 mm
- 固定中心 MK3 /MK5
- 四方刀架
- 挂轮
- 操作工具

Standard accessories:

- 3-jaw chuck \varnothing 160 mm
- Fixed center MK3 /MK5
- Quadruple tool holder
- Change gear kit
- Operating tool

可选附件：

- 中心架 \varnothing 5- \varnothing 60
- 跟刀架 \varnothing 5- \varnothing 60
- 花盘 \varnothing 300 (D1-4)
- 乱扣盘
- 活顶尖 MK3
- 快换刀架
- 数显表 DRO5

Optional accessories:

- Steady rest \varnothing 5- \varnothing 60
- Follow rest \varnothing 5- \varnothing 60
- Face plate \varnothing 300 (D1-4)
- Chasing dial indicator
- Live center MK3
- Quick change tool post
- Digital readout DRO5

LATHE MACHINE

车床 TURNER 320 / TURNER 360L



TURNER 320

LATHE MACHINE

车床 TURNER 3610



TURNER 3610

机床技术参数 /Specification

型号	Model	Turner 320	Turner 360L	Turner 3610
产品编号	Code No.	4232300	4237300	4236310
加工范围	Capacity			
床身上最大回转直径	Swing over bed	Ø330 mm	Ø360 mm	Ø360 mm
拖板上最大回转直径	Swing over cross slide	Ø190 mm	Ø210 mm	Ø210 mm
马鞍槽内最大回转直径	Swing in gap diameter	Ø475 mm	Ø490 mm	Ø490 mm
花盘前马鞍有效长度	Length of gap	115 mm	115 mm	115 mm
两顶尖中心距	Admits between	1000 mm	1000 mm	1000 mm
主轴中心高	Center height	165 mm	165 mm	165 mm
床身宽度	Width of bed	185 mm	185 mm	185 mm
主轴	HEADSTOCK			
主轴端部	Spindle nose	D1-4	D1-4	D1-5
主轴通孔直径	Spindle bore	Ø38 mm	Ø38 mm	Ø52 mm
主轴内孔锥度	Taper of spindle bore	MT5	MT5	MT6
主轴转速范围	Range of spindle speed	70-2000 rpm	70-2000 rpm	70-2000 rpm
进给及螺纹	FEEDS AND THREADS			
小拖板最大行程	Top slide travel	95 mm	95 mm	95 mm
中拖板最大行程	Cross slide travel	180 mm	180 mm	180 mm
大丝杆规格	Lead screw thread	4 mm	4 mm	4 mm
车刀刀杆最大截面	Max.Section of tool	16x16 mm	16x16 mm	16x16 mm
公制螺纹范围	Threads metric pitches	0.25-11 mm	0.4-7 mm	0.4-7 mm
英制螺纹范围	Threads imperial pitches	4-112 T.P.I.	8-112 T.P.I.	8-112 T.P.I.
尾座	TAILSTOCK			
尾座套筒直径	Quill diameter	Ø32 mm	Ø32 mm	Ø32 mm
尾座套筒行程	Quill travel	100 mm	100 mm	100 mm
尾座套筒内孔锥度	Quill taper	MT3	MT3	MT4
电机	MOTOR			
主电机功率	Main motor power	1.5 KW	1.5 KW	1.5 KW
冷却泵功率	Coolant pump power	40 W	40 W	40 W
外形尺寸及重量	DIMENSION AND WEIGHT			
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	1820x740x1240 mm	1870x740x124 mm	1870x740x124 mm
包装箱尺寸 (长x宽x高)	Packing size(LxWxH)	1930x760x1450 mm	1970x760x1450 mm	1970x760x1450 mm
净重/毛重	NW/GW	520/640 kg	520/640 kg	520/640 kg

LATHE

标准附件 :

- 直装式三爪卡盘 Φ160/D4
- 挂轮
- 油盘
- 变径套 MT5/MT3
- 死顶尖 MT3 (2 只)
- 挡屑板
- 冷却系统
- 工作灯
- 直装式四爪卡盘 Φ200/D4
- 花盘 Φ280 (Turner 320)
- 花盘 Φ280 (Turner 3610)
- 中心架 Φ10-70 (Turner 320)
- 中心架 Φ10-70 (Turner 3610)
- 跟刀架 Φ10-60 (Turner 320)
- 跟刀架 Φ10-60 (Turner 3610)
- 脚刹
- 床脚

Standard Accessories:

- Straight-mounted 3-jaw chuck Φ160/D4
- Change gear kit
- Chip tray
- Reduction bushes MT5/MT3
- Dead center MT3 (2pcs)
- Splash guard
- Coolant system
- Machine lamp
- Straight-mounted 4-jaw chuck Φ200/D4
- Face plate Φ280 (Turner 320)
- Face plate Φ280 (Turner 3610)
- Steady rest Φ10-70 (Turner 320)
- Steady rest Φ10-70 (Turner 3610)
- Follow rest Φ10-60 (Turner 320)
- Follow rest Φ10-60 (Turner 3610)
- Foot brake
- Stand

可选附件 :

- 车锥度附件
- 活顶尖 MT3
- 丝杆防护罩
- 快换刀架
- 套装组合车刀 16mm 7 件套
- 三轴数显装置
- 行程挡铁

Optional Accessories:

- Tapet turning attachment
- Live center MT3
- Leadscrew cover
- Quick change tool post
- Turning tool kit 16mm/7pcs
- 3-axis Digital redout
- 4-way tool holder

LATHE MACHINE

车床 TURNER 360



TURNER 360

LATHE MACHINE

车床 TURNER 380H



TURNER 380H

机床技术参数 /Specification

型号	Model	Turner 360	Turner 380H
产品编号	Code No.	4236300	4238303
加工范围	Capacity		
床身上最大回转直径	Swing over bed	Ø355 mm	Ø400 mm
拖板上最大回转直径	Swing over cross slide	Ø220 mm	Ø260 mm
马鞍槽内最大回转直径	Swing in gap diameter	Ø505 mm	Ø550 mm
花盘前马鞍有效长度	Length of gap	145 mm	220 mm
两顶尖中心距	Admits between	1000 mm	1000 mm
主轴中心高	Center height	175 mm	200 mm
床身宽度	Width of bed	205 mm	205 mm
主轴	HEADSTOCK		
主轴端部	Spindle nose	D1-4	D1-5
主轴通孔直径	Spindle bore	Ø40 mm	Ø51 mm
主轴内孔锥度	Taper of spindle bore	MT5	MT6
主轴转速范围	Range of spindle speed	45-1800 rpm	45-1800 rpm
进给及螺纹	FEEDS AND THREADS		
小拖板最大行程	Top slide travel	92 mm	92 mm
中拖板最大行程	Cross slide travel	176 mm	178 mm
大丝杆规格	Lead screw thread	4 mm	Tr22x4 mm/8TPI
车刀刀杆最大截面	Max.Section of tool	16x16 mm	16x16 mm
公制螺纹范围	Threads metric pitches	0.45-7.5 mm	M(37)0.4-7mm IN(22)0.45-7.5mm
英制螺纹范围	Threads imperial pitches	4-56 T.P.I.	M(28)4-56TPI IN(40)4-112TPI
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	Ø45 mm	Ø45 mm
尾座套筒行程	Quill travel	120 mm	115 mm
尾座套筒内孔锥度	Quill taper	MT3	MT4
电机	MOTOR		
主电机功率	Main motor power	1.5 / 2.4 KW	1.5/2.4 KW
冷却泵功率	Coolant pump power	40 W	40 W
外形尺寸及重量	DIMENSION AND WEIGHT		
外形尺寸 (长x宽x高)	Overall dimension(LxWxH)	1820x740x1250 mm	1830x720x1350 mm
包装箱尺寸 (长x宽x高)	Packing size(LxWxH)	1950x760x1450 mm	1950x760x1480 mm
净重/毛重	NW/GW	750/830 kg	780/850 Kg

标准附件：

- 直装式三爪卡盘 Φ160/D4
- 挂轮
- 油盘
- 变径套 MT5/MT3
- 死顶尖 MT3 (2 只)
- 挡屑板
- 冷却系统
- 工作灯
- 直装式四爪卡盘 Φ200/D4
- 花盘 Φ250 (Turner 360)
Φ250 (Turner 380H)
- 中心架 Φ6-85 (Turner 360)
Φ6-85 (Turner 380H)
- 跟刀架 Φ6-85 (Turner 360)
Φ6-85 (Turner 380H)
- 脚刹
- 床脚

Standard Accessories:

- Straight-mounted 3-jaw chuck Φ160/D4
- Change gear kit
- Chip tray
- Reduction bushes MT5/MT3
- Dead center MT3 (2 pcs)
- Splash guard
- Coolant system
- Machine lamp
- Straight-mounted 4-jaw chuck Φ200/D4
- Face plate Φ250 (Turner 360)
Φ250 (Turner 380H)
- Steady rest Φ6-85 (Turner 360)
Φ6-85 (Turner 380H)
- Follow rest Φ6-85 (Turner 360)
Φ6-85 (Turner 380H)
- Foot brake
- Stand

可选附件：

- 车锥度附件
- 活顶尖 MT3
- 丝杆防护罩
- 快换刀架
- 套装组合车刀 16mm 7 件套
- 三轴数显装置
- 行程挡铁

Optional Accessories:

- Tapet turning attachment
- Live center MT3
- Leadscrew cover
- Quick change tool post
- Turning tool kit 16mm/7pcs
- 3-axis Digital readout
- 4-way tool holder

LATHE MACHINE

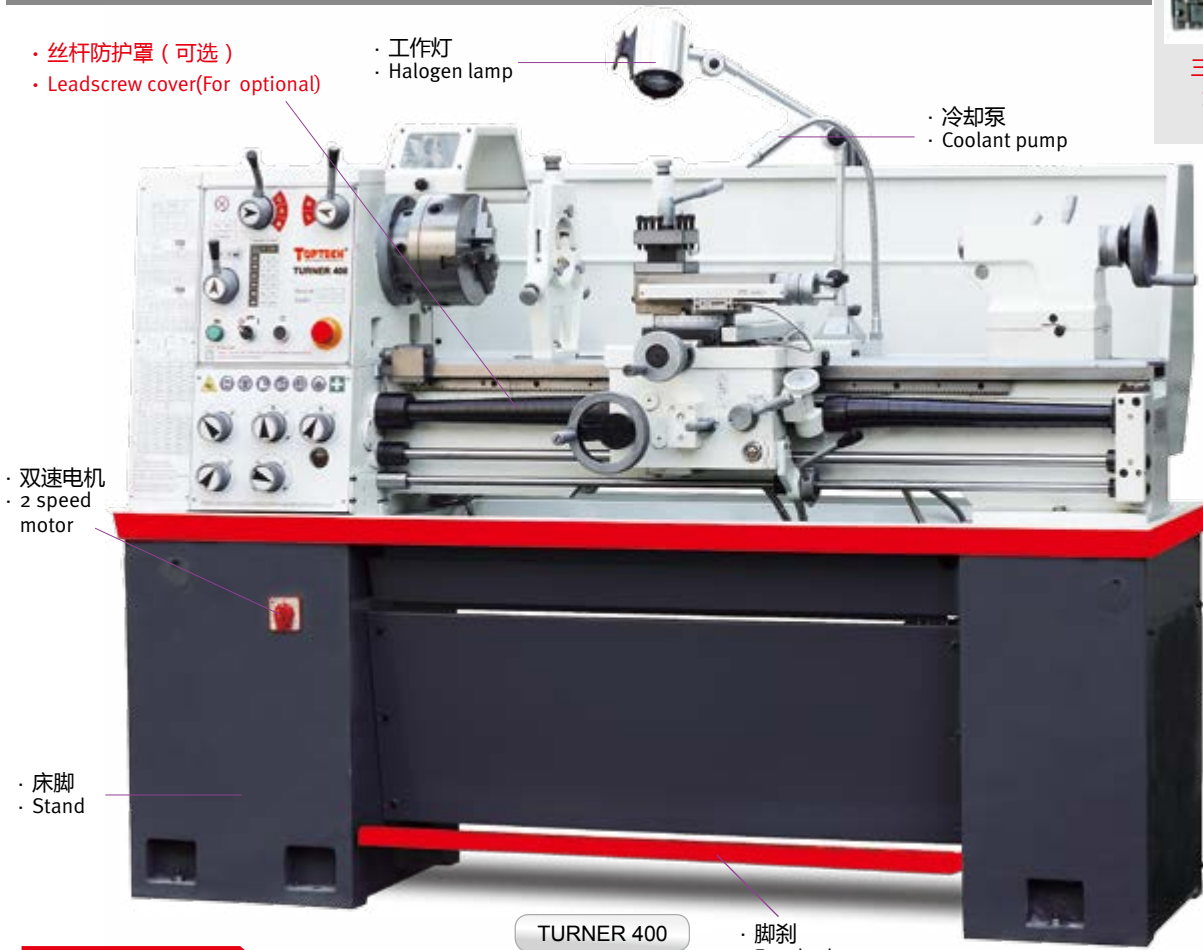
车床 TURNER 400x1000

优质、高效、高性价比

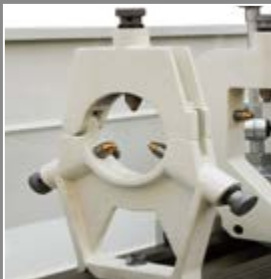
- 加工钢铁，有色金属和塑料的理想工具
- 电磁脚刹降低故障率
- 传动进给中的齿轮经淬火和打磨处理
- 该实用结实的机床特色为带丝杆和进刀杆
- 灰口铸铁床身，经淬火和高精度打磨处理
- 主轴配有高质量角面滚珠轴承
- 机床底座为厚重结实的铸铁制造
- 尾架锥度切削可以 +/- 5 mm 调节
- 用于技校，维修车间和培训室的完美机床
- 可方便、顺利、精确地调节速度和进给设置
- 油盘可抽出，带来空间要求最小化
- 可移动式齿桥用于加工大口径工件
- 高性价比，设计时尚
- 标准配置滑动离合器

Convincing arguments: quality, efficiency and price

- Ideal for processing of steel, non-ferrous metals and plastics
- Electro-magnetic foot brake reduces downtime
- Hardened and polished toothed gears also in feed drive
- Practical, solid machine featuring a lead screw and feed rod
- Grey cast-iron machine bed, inductively hardened and precisely polished
- State-of-the-art spindle bedding with high-quality, angular ball bearings
- Machine base in heavy cast iron construction
- Tailstock can be adjusted +/- 5 mm for taper turning
- Ideal for technical colleges, repair shops and training purposes
- Easy, smooth and precisely adjustable speed and feed settings
- Pull-out chip tray allows for minimum space requirements
- Removable bridge for processing of work pieces with a large diameter
- Optimal price-benefit ratio, modern design
- Serially equipped with slip clutch



细节展示 Details



- 中心架 & 跟刀架
- Steady rest & Follow rest



- 花盘 $\varnothing 320\text{mm}$
- Face plate $\varnothing 320\text{mm}$



- 刀架与拖板
- Tool post & slide

技术参数 Specification

型号	Model	Turner 400x1000
产品编号	Code No.	4240300
两顶尖中心距	Distance between centers	1000 mm
主轴中心高	Center height	200 mm
床身上最大回转直径	Swing over bed	Ø400 mm
马鞍上最大回转直径	Swing over gap	Ø506 mm
拖板上最大工件回转直径	Swing over cross slide	Ø240 mm
床身宽度	Bed width	210 mm
主轴通孔直径	Spindle bore	Ø52 mm
主轴端部	Spindle nose fixture	DIN55029,D1-5
主轴转速	Speed range	(12)45-2000 rpm
公制螺纹范围	Metric thread	(36)0.8-14 mm
英制螺纹范围	Inch thread	(30)2-28 TPI
尾座套筒直径	Diameter of tailstock sleeve	Ø45 mm
尾座套筒行程	Travel of tailstock sleeve	100 mm
尾座套筒锥度	Taper of tailstock sleeve	MT4
电机功率	Motor power	2.4 kw/2.0 kw
包装尺寸	Packing size	1930x760x1540 mm
净重 / 毛重	N.W./G.W.	820/860 kg

标准附件

- 三爪卡盘 K11-200mm/D5
- 四爪卡盘 K72-200 mm / D5
- 中心架 Ø6-85
- 跟刀架 Ø6-85
- 冷却系统
- 花盘 Ø320
- 行程挡铁
- 纵向千分尺
- 刻度盘
- 卤素工作灯
- 变径套 MT5/MT4
- 更换齿轮
- 死顶尖 MT4 (2 只)
- 脚刹
- 工具

Standard accessories:

- 3-jaw chuck K11-200 mm / D5
- 4-jaw chuck K72-200 mm / D5
- Steady rest Ø6-85
- Follow rest Ø6-85
- Coolant device
- Face plate 320 mm
- 4-way tool holder
- Micrometer longitudinal fence
- Thread dial
- Halogen lamp
- Reduction bush MT5/MT4
- Change gears
- Dead centers MT4 (2pcs)
- Foot brake
- Tools



· 尾架
· Tailstock



· 三爪卡盘
· 3-jaw chuck
Φ200/D5



· 四爪卡盘
· 4-jaw chuck
Φ200/D5

LATHE MACHINE

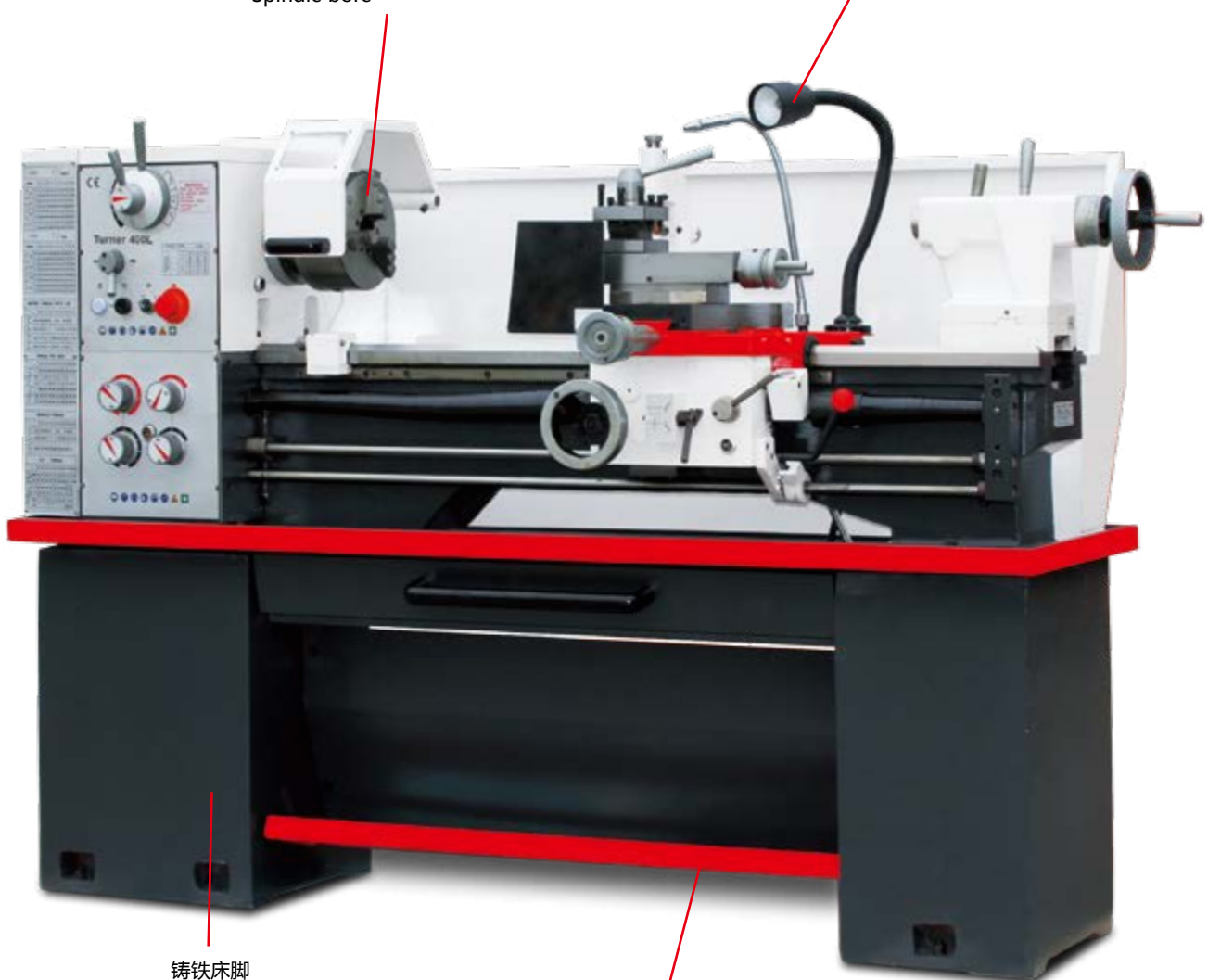
车床 TURNER 400L



主轴孔径 52mm D1-5
Spindle bore



卤数工作灯
Halogen lamp



铸铁床脚
Iron casting stand

脚刹
Foot brake



TURNER 400L

机床技术参数 /Specification

型号	Model	Turner 400L
货号	Item No.	4239303
加工范围	CAPACITY	
床身上最大回转直径	Swing over bed	Ø400 mm
床鞍上最大回转直径	Swing over cross slide	Ø250 mm
马鞍槽内回转直径	Swing in gap diameter	Ø520 mm
主轴中心高度	Height of center	200 mm
两顶尖距离	Distance between centers	1015 mm
床身宽度	Width of bed	218 mm
主轴	HEADSTOCK	
主轴通孔孔径	Spindle bore	Ø52 mm
主轴端部	Spindle nose	D 1-5
主轴内孔锥度	Spindle morse taper in nose,in sleeve	MT6/MT4
主轴转速范围	Spindle speeds range	65-1800 rpm
进给及螺纹	FEEDS AND THREADS	
加工刀具尺寸	Cutting tool max. section	20x20 mm
小拖板最大行程	Total travel of top slide	120 mm
横向滑板最大行程	Total travel of cross slide	230 mm
英制螺纹车制范围	Threads imperial pitches	4-60 TPI
公制螺纹车制范围	Threads metric pitches	0.4-7 mm
尾架	TAILSTOCK	
尾座套筒行程	Total travel of tailstock quill	110 mm
尾座套筒直径	Tails stock quill	Ø52 mm
尾座套筒锥度	Taper tailstock quill	MT4
电机	MOTOR	
主轴电机功率	Spindle drive motor	1.5 KW
冷却电机功率	Coolant pump motor	40 W
外形尺寸及重量	DIMENSION AND WEIGHT	
外形尺寸	Overall dimension	overall:1830x770x1300 mm split:1830x770x700 mm
机床包装尺寸	Packing size	overall:2010x870x1580 mm split:2010x870x980 mm
机床净重	Net weight	overall:650 kg ; split:570 kg
机床毛重	Gross weight	overall:760 kg ; split:670 kg

标准附件：

- 中心架 Φ6-85
- 跟刀架 Φ6-85
- 花盘 Φ250
- 脚刹

· 冷却系统

- 工作灯
- 三爪与接盘或直接式三爪
- 四爪与接盘或直接式四爪

可选附件：

- 钻夹头 MT4
- 活动顶尖
- 快换刀架
- 二轴数显
- 三轴数显

· 定程机构

- 卡盘护罩
- 丝杠护罩
- 光杠安全接合子
- 车锥度附件
- 主电机无级调速

Standard Accessories :

- Steady rest Φ6-85
- Follow rest Φ6-85
- Face plate Φ250
- Foot brake
- Coolant system

· Machine lamp

- 3-jaw independent chuck & back plate
- 4-jaw independent chuck & back plate

Optional Accessories :

- Drill chuck MT4
- Live centers
- Quick change tool post
- Digital readout (2 axis)
- Digital readout (3 axis)
- Localizer

· Chuck cover

- Leadscrew cover
- Clutch for feed rod
- Taper turning attachment
- Main motor stepless speed regulation

LATHE MACHINE

车床 TURNER 420x1000/1500

Convincing arguments: quality, efficiency and price

- Hardened and ground bed guideways
- Camlock spindle seat ASA D1 - 6"
- Guaranteed true running accuracy of the spindle nose of better than 0.015 mm
- Main spindle running in an oil bath hardened and ground mounted on 2 adjustable precision taper roller bearings
- All metric thread pitch in the range from 0.2 to 14 mm/r and all inch threads in the range from 72 - 2 threads per inch without replacing the change gears by means of gear levers adjustable on the control panel
- Emergency-stop push button, protective motor switch, lockable main switch
- Right-/left-handed rotation at the bed slide, switchable via indexing spindle
- Central lubrication at the bed slide
- Cover for leading spindle
- Mechanical feet spindle brake
- Adjustable scale of the threading gauge
- Coolant tank with filling level display and oil separator; easy and complete draining and cleaning according to DIN
- Serial halogen machine lamp with articulated arm
- DPA machines:
 - including digital position display DPA 2000 and glass scales
- Special equipment Vario machine:
 - Including VARIO conversion kit 400V
 - Replacement of the Digital position display DPA 2000 against a DPA 2000S

优质、高效、高性价比：

- 床身导轨经济火和打磨
- Camlock 主轴安装座 ASAD1-6"
- 保证主轴端更高精度（低于 0.015mm）
- 主轴在油槽中运转（经济火和打磨），带 2 个可调的高精度锥度滚珠轴承
- 所有公制螺距范围是 0.2-14mm，英制螺纹范围是每英寸 72-2，但是不需要换挂轮，只要调节控制面板上的变速杆就可以
- 急停开关按钮，防护型电机开关，可锁式主开关
- 拖板上左右旋转，通过分度轴可切换
- 拖板上中央润滑
- 丝杆防护
- 机械脚刹制动
- 攻丝表刻度盘可调
- 冷却水箱带深度显示和分油器；根据 DIN 排水和清洁更容易彻底
- 系列石英工作灯（带关节杆）
- DPA 机器
 - 包括数显 DPA2000 和光栅尺
- 特殊设备无极变速机器
 - 带无极变速转换套件 400V
 - 普通数显 DPA2000 换成 DPA2000S

主轴

- 经济火和打磨
- 油槽运转
- 带 2 个可调高精度锥度滚珠轴承
- 主轴齿轮经济火和打磨，运转平顺
- 初次加油使用高级润滑油
- 快动进给齿轮
 - 密封型
- 齿轮和轴经济火和打磨
- 油槽中运行，带高精度轴承

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 2 adjustable precision taper roller bearings
- Main spindle gearwheels smooth running, hardened and ground
- First filling with high grade Mobil oil
- Fast acting feed gear**
 - Closed type
 - Toothed wheels and shafts hardened and ground
 - Running in an oil bath on precision bearings

六角刀架

- 带工作台鞍座限位精细调节
- Turret head
 - With fine adjustment as limit stop for table saddle

拖板

- 精度加工
- 手轮高精度刻度盘可调 0.04/0.02mm
- 四方刀架
- 所有导轨通过 v-ledges 可调
- 小拖板上带切削防护
- 小拖板可调范围为正负 90 度
- Slide
 - Precisely worked
 - Handwheels with adjustable precision scaling of 0.04/0.02 mm
 - Quadruple toolholder
 - All guidings adjustable via V-ledges
 - Chip protection at the top slide
 - Adjustment range top slide $\pm 90^\circ$

尾架

- 锥度车削可调正负 13mm
- 尾架套筒和手轮带可调精度刻度尺
- Tailstock
 - Adjustable by ± 13 mm for taper turning
 - Tailstock spindle sleeve and handwheel with adjustable precision scaling

卡盘护罩 (可选) Chuck cover (for optional)

车床卡盘

- 高精度
- 更高转速
- 更高同心度和重复性
- Lathe chuck
 - Precise
 - Higher speed is enabled
 - High concentricity and repeatability

马鞍

- 通过拿掉马鞍车削直径增加到 $\phi 590$ mm
- Bed bridge
 - The turning diameter is increased to $\phi 590$ mm by taking out the bed bridge

• 丝杆防护罩 (可选)
• Leadscrew cover (For optional)

底架和床身

- 米哈奈特铸件床身
- 一体铸件床身
- Base frame and lathe bed
 - Meehanite casting
 - One-piece casting

TURNER 420

机床技术参数 /Specification

型号	Model	Turner 420 x 1000	Turner 420 x 1500
产品编号	Code No	4242300	4242400
DPA-型号	DPA - model	Turner 420 x 1000 DPA	Turner 420 x 1500 DPA
产品编号	Code No	4242380	4242480
电气连接	Electrical connection		
总功率	Total connected value	2.2/3.3 kW	
冷却泵电机功率	Coolant equipment	100 W	
工作范围	Working areas		
主轴中心高	Centre height	210 mm	
两顶尖中心距	Centre width	1000 mm	1500 mm
床身上最大回转直径	Swing over bed	Ø420 mm	
拖板上最大回转直径	Swing over cross slide	Ø250 mm	
马鞍上最大回转直径	Turning Ø in the bed bridge	Ø590 mm	
马鞍长度	Length of bed bridge	260 mm	
床身宽	Bed width	250 mm	
速度	Speeds		
主轴转速	Spindle speed	45 - 1800 rpm	
无级变速主轴转速	Spindle speed Vario-machine	30 - 1800 rpm	
转速级数	Number of steps	16 stages; for Vario-models electr. adjustable speed	
主轴	Headstock		
主轴锥度	Spindle taper	MT6	
主轴端部	Spindle seat	Camlock ASA D1 - 6"	
主轴通孔直径	Spindle drilling, rod passage	Ø 52 mm	
进给及螺纹	Slide		
小拖板行程	Travel top slide	140 mm	
中拖板行程	Travel cross slide	230 mm	
公制螺纹范围	Pitch - Metric in the range of	0.2 - 14 mm/rev;	39 thread pitches
英制螺纹范围	Pitch - Inch in the range of	72 - 2 threads/1";	45 thread pitches
车刀刀杆最大截面	Max. section of tool	20 x 20 mm	
尾座	Tailstock		
尾座内孔锥度	Tailstock seat	MT4	
尾座套筒行程	Tailstock - sleeve travel	120 mm	
尾座套筒直径	Quill diameter	50mm	
尺寸	Dimensions		
长	Length	2060 mm	2550 mm
宽x高	Width x Height	900 x 1650 (DPA 1615) mm	
净重	Net weight	1160/1350 kg	1340/1565 kg

标准附件 Standard equipment

- Three-jaw lathe chuck Ø 200 mm
- Four-jaw chuck Ø 250 mm with universally adjustable jaws
- Face clamping disc Ø 350 mm
- Reducing bush MT6/MT4
- 2 steady centres MT4
- Steady rest Passage Ø max. 145 mm
- Follow rest Passage Ø max. 75 mm
- Machine substructure
- Spindle brake
- Splash board mounted
- Lathe chuck protection
- Chip protection at the top slide
- Turret stop with fine adjustment
- Threading gauge
- Quadruple tool holder
- Coolant equipment
- Machine lamp
- Change gear kit
- Operating tool
- First filling with high grade Mobil oil
- 三爪卡盘 Ø200mm
- 四爪卡盘 Ø250mm 带通用可调软爪
- 多面夹紧盘 Ø250mm
- 变径套 MT6/MT4
- 2个稳定中心 MT4
- 中心架最大 Ø145mm
- 跟刀架最大 Ø75mm
- 机器带底座
- 主轴刹车制动
- 装有挡屑板
- 车床卡盘防护罩
- 小拖板处有切削防护罩
- 定位限位带精细调节
- 车螺纹测量器
- 四方刀架
- 冷却设备
- 工作灯
- 挂轮
- 操作工具
- 初次加油使用高级润滑油

可选附件 Optional accessories

- GD-125 车床内外径研磨机
- GD-125 Lathe diameter grinding machine



LATHE MACHINE

车 床TURNER 410x1000/1500
 TURNER 460x1000/1500
 TURNER 510x1500/2000/3000
 TURNER 560x1500/2000/3000

优质、高效、高性价比

- 超音频淬火床身
- 强功率电机
- 欧洲标准安全磁性开关

Convincing arguments: quality, efficiency and price

- Induction harden bedway
- Enough strong power motor
- Euro-safety magnetic switch or lock key switch

强劲动力工业车床
Power for industry

- 直装式卡盘
- Direct mounting chuck

- 卡盘护罩 (可选)
- Chuck cover (For optional)

- 三轴数显装置
- 3-axis digital readout

- 冷却泵
- Coolant pump



TURNER 410

TURNER 510

TURNER 460

TURNER 560

- 整体铸铁底座
- One piece iron casting stand

- 脚刹
- Foot brake

- 丝杆防护罩 (可选)
- Leadscrew cover (For optional)

细节展示 Details



- 多功能溜板箱, 操作简单灵活
- Good function & Easy operate apron



- 大范围强力进给箱
- Big range & power feed box

可选附件 Optional accessories

- GD-125 车床内外径研磨机
- GD-125 Lathe diameter grinding machine



机床技术参数 /Specification

型号	Model	Turner 410/Turner 460	Turner 510/Turner 560
产品编号	Code No.	4241300/4246400	4251400/4256400
加工范围	CAPACITY		
床身上最大回转直径	Swing over bed	Ø410 mm/Ø460 mm	Ø510 mm/Ø560 mm
拖板上最大回转直径	Swing over cross slide	Ø220 mm/Ø270 mm	Ø305 mm/Ø355 mm
马鞍板上最大回转直径	Turning Ø without bed bridge	Ø640 mm/Ø690 mm	Ø735 mm/Ø785 mm
花盘前马鞍有效长度	Length of gap	165 mm	170 mm
两顶尖中心距	Admits between	1000 mm/1500 mm	1500 mm/1500 mm
主轴中心高	Center height	205 mm/230 mm	255 mm/280 mm
床身宽度	Width of bed	300 mm	350 mm
主轴	HEADSTOCK		
主轴端部	Spindle nose	D1-6	D1-8
主轴通孔直径	Spindle bore	Ø58 mm/Ø80 mm(For optional)	Ø80 mm/Ø105 mm(For optional)
主轴内孔锥度	Spindle taper	MT6	MT7
主轴转速范围	Range of spindle speed	25-2000 rpm	25-1600 rpm
进给及螺纹	FEEDS AND THREADS		
小拖板行程	Top slide travel	128 mm	130 mm
中拖板行程	Cross slide travel	285 mm	316 mm
车刀刀杆最大截面	Max.Section of tool	25x25 mm	25x25 mm
公制螺纹范围	Threads metric pitches	0.1-14 mm	0.2-14 mm
英制螺纹范围	Threads imperial pitches	2-112 TPI	2-112 TPI
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	Ø60 mm(2-5/16")	Ø75 mm
尾座套筒行程	Quill travel	120 mm(4-3/4")	180 mm
尾座套筒内孔锥度	Quill taper	MT4	MT5
电机	MOTOR		
主电机功率	Main motor power	4 / 5.5 KW	7.5 KW
冷却泵功率	Coolant pump power	0.125 KW	0.1 KW
外形及重量	DIMENSION AND WEIGHT		
包装箱尺寸 (长x宽x高)	Packing size(LxWxH)	2850x1120x1700 mm	2960x1130x1820 mm
净重/毛重	N.W./G.W.	1670/1980 kg 2020/2385 kg	2335/2700 kg 2370/2740 kg

LATHE

标准附件 :

- 三爪卡盘 Φ250/D6 (TURNER 410/460)
Φ315/D8 (TURNER 510/560)

- 挂轮
- 油盘

- 变径套 MT6/MT4

- 死顶尖 莫氏 DG4(TURNER410/460)
莫氏 DT7/5 DX5(TURNER 510/560)

- 挡屑板
- 冷却系统

Standard Accessories:

- 3-jaw chuck Φ250/D6 (TURNER 410/460)
Φ315/D8 (TURNER 510/560)

- Change gear kit

- Chip tray

- Reduction bush MT6/MT4

- Dead center

- Morse DG4(TURNER410/460)

- Morse DT7/5 DX5(TURNER 510/560)

- Splash guard

- Coolant system

- 乱扣盘

- 中心架 Φ25-178(TURNER 410/460)
Φ19-165(TURNER 510/560)

- 跟刀架 Φ19-114(TURNER 410/460)
Φ16-95(TURNER 510/560)

- 工作灯

- 四爪卡盘 Φ300/D6(TURNER 410/460)
Φ350/D8(TURNER 510/560)

- 花盘 Φ350(TURNER 410/460)
Φ450(TURNER 510/560)

- Chasing dial indicator

- Steady rest Φ25-178(TURNER 410/460)
Φ19-165(TURNER 510/560)

- Follow rest Φ19-114(TURNER 410/460)
Φ16-95(TURNER 510/560)

- Work light

- 4-jaw chuck Φ300/D6(TURNER 410/460)
Φ350/D8(TURNER 510/560)

- Face plate Φ350(TURNER 410/460)
Φ450(TURNER 510/560)

可选附件 :

- 车锥度附件

- 活顶尖

- 丝杆防护罩

- 快换刀架 SWH5-B

- 套装组合车刀

- 三轴数显

- 卡盘护罩

- 中心架 Φ140-270(TURNER 510/560)

Optional Accessories:

- Tapet turning attachment

- Live center

- Leadscrew cover

- Quick change tool post SWH5-B

- Turning tool kit

- 3-Axis digital readout

- Chuck cover

- Steady rest Φ140-270 (TURNER 510/560)

LATHE MACHINE (NEW LINE)

车床 TURNER 530x1500/2000
TURNER 600x1500/2000
TURNER 680x1500/2000

优质、高效、高性价比：

- 整体型铸铁床脚
- 床身 400mm 宽，高硬度，稳定精度
- 主电机 11KW (15HP) - 可选

Convincing arguments: quality, efficiency and price

- Whole piece casting iron foot stand
- 400mm width of bedway, high rigidity, stable precision
- 11KW(15HP)main motor for optional

主轴

- 经济火和打磨
- 度槽运转
- 带 3 个可调高精度锥度滚珠轴承
- 主轴齿轮经济火和打磨，运转平顺
- 初次加油使用高级润滑油
- 快动进给齿轮
- 密封型
- 齿轮和轴经淬火和打磨
- 度槽中运行，带高精度轴承

Main spindle

- Hardened and ground
- Running in an oil bath
- Running on 3 adjustable precision taper roller bearings
- Main spindle gear-wheels smooth running, hardened and ground
- First filling with high grade Mobil oil
- Closed type
- Toothed wheels and shafts hardened and ground
- Running in an oil bath on precision bearings

Fast acting feed gear

- Closed type
- Toothed wheels and shafts hardened and ground
- Running in an oil bath on precision bearings

卡盘护罩 (可选)
Chuck cover (for optional)

拖板

- 精度加工
- 手轮高精度刻度盘可调 0.04/0.02mm
- 快换刀架
- 所有导轨通过v-ledges可调
- 小拖板上带切削防护
- 小拖板可调范围为正负90度
- Slide
- Precisely worked
- Handwheels with adjustable precision scaling of 0.04/0.02 mm
- Quick-action tool holder
- All guidings adjustable via V-ledges
- Chip protection at the top slide
- Shafts and wheels running in the oil bath
- Adjustment range top slide $\pm 90^\circ$

数显 (可选)

- 易操作
- 大幅减少生产时间
- Digital position display (For optional)
- Easy-to-operate
- Considerable reduction of the manufacturing times

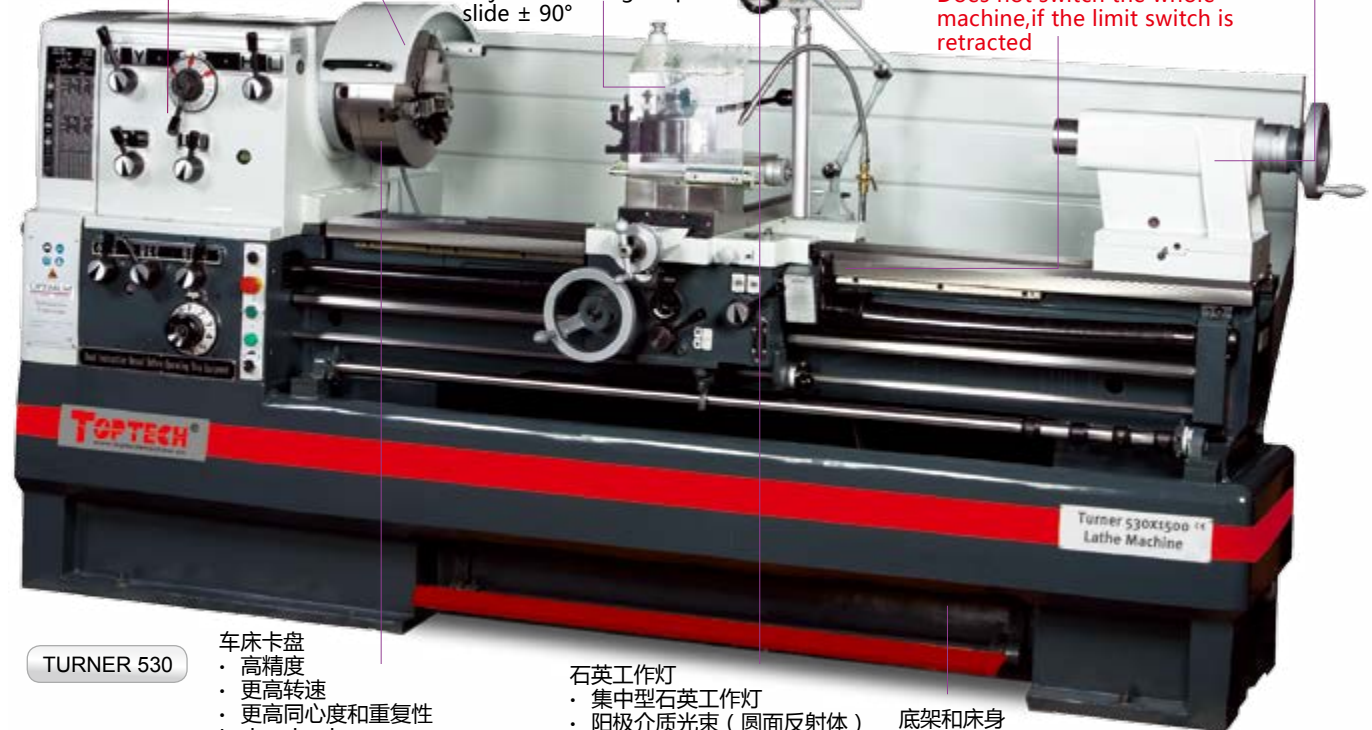


快移 (可选)

- 通过按钮和操纵杆启动横、纵向快移
- 更高的工作效率
- 触及限位开关无法启动整个机床
- Rapid feed (For optional)
- Push button and selector lever to activate the rapid feed for transverse and longitudinal direction
- For more efficient workin
- Does not switch the whole machine,if the limit switch is retracted

尾架

- 锥度车削可调正负 15mm
- 尾架套筒和手轮带可调精度刻度尺
- Tailstock
- Adjustable by ± 15 mm for taper turning
- Tailstock spindle sleeve and handwheel with adjustable precision scaling



TURNER 530

车床卡盘

- 高精度
- 更高转速
- 更高同心度和重复性
- Lathe chuck
- Precise
- Higher speed is enabled
- High concentricity and repeatable clamping accuracy

石英工作灯

- 集中型石英工作灯
- 阳极介质光束 (圆面反射体)
- Halogen machine lamp
- Concentrated halogen light
- Anodized medium beams as round reflectors

底架和床身

- 米哈奈特铸件床身
- 一体铸件床身
- Base frame and lathe bed
- Meehanite casting
- One-piece casting

标准附件

- 三爪卡盘
- 冷却系统
- 套筒和中心
- 脚刹制动系统
- 工具箱和工具 1 套
- 中心架
- 跟刀架
- 花盘
- 工作灯
- 四爪独立卡盘 / 法兰盘

Standard Accessories:

- Three jaw chuck
- Coolant system
- Sleeve and center
- Footbrake system
- Toolbox&tools 1 set
- Steady Rest
- Follow Rest
- Face Plate
- Work light
- 4-jaw Independent Chuck&Back Plate

可选附件

- 钻夹头
- 活顶尖
- 快换刀架
- 数显 (2 轴)
- 数显 (3 轴)
- 卡盘防护罩
- 丝杆防护
- 车锥度附件

Optional Accessories:

- Drill Chuck
- Rolling Centres
- Quick Change Tool Post
- Digital readout(2Axis)
- Digital readout(3Axis)
- Chuck cover
- Leadscrew guard
- Taper Turning Attachment

机床技术参数 /Specification

型号	Model	Turner 530x1500/2000	Turner 600x1500/2000	Turner 680x1500/2000
产品编号	Code No.	4253400/4253500	4260400/4260500	4268400/4268500
加工范围	Capacity			
床身上最大回转直径	Swing over bed	Ø530 mm	Ø600 mm	Ø680 mm
拖板上最大回转直径	Swing over cross slide	Ø329 mm	Ø399 mm	Ø479 mm
马鞍上最大回转直径	Swing in GAP(D×W)	Ø765×218 mm(D1-8) /Ø765×240 mm(A1-8)	Ø838mm×218 mm(D1-8) /Ø835×240 mm(A1-8)	Ø918mm×218 mm(D1-8) /Ø915×240 mm(A1-8)
主轴中心高	Height of center	265 mm	300 mm	380 mm
两顶尖中心距	Distance between centers	1500/2000 mm	1500/2000 mm	1500/2000 mm
床身宽度	Width of bed	400 mm	400 mm	400 mm
主轴	Headstock			
主轴通孔直径	Spindle bore	Ø82	Ø82	Ø82
主轴端部	Spindle nose	D1-8 or A1-8	D1-8 or A1-8	D1-8 or A1-8
主轴内外锥度	Spindle morse taper in nose,in sieve	ME90/MT5	ME90/MT5	ME90/MT5
主轴转速级数	Spindle speeds number	12	12	12
主轴转速范围	Spindle speeds range	20-1600 rpm	20-1600 rpm	20-1600 rpm
进给及螺纹	Feeds and threads			
车刀杆最大尺寸	Cutting tool max.section	25x25 mm	30x30 mm	25x25 mm
中拖板总行程	Total travel of cross slide	320 mm	358 mm	438 mm
小拖板总行程	Total travel of top slide	200 mm	200 mm	200 mm
英制螺纹范围	Threads imperial pitches	4-112 TPI	4-112 TPI	4-112 TPI
公制螺纹范围	Threads metric pitches	0.25-7 mm	0.25-7 mm	0.25-7 mm
尾架	Tailstock			
尾座套筒行程	Total travel of tailstock quill	180 mm	180 mm	180 mm
尾座套筒直径	Tails stock quill	Ø80 mm	Ø75 mm	Ø80 mm
尾座套筒内孔锥度	Taper tailstock quill	MT5	MT5	MT5
电机	Motor			
主轴电机	Spindle drive motor	7.5 KW	7.5 KW	7.5 KW
冷却泵电机功率	Coolant pump motor	0.09 KW	0.09 KW	0.09 KW
外形尺寸及重量	Dimension and weight			
净重	Net weight	2750/3010 kg	2820/3080 kg	2900/3160 kg
毛重	Cross weight	3090/3400 kg	3180/3490 kg	3260/3570 kg
包装尺寸	Packing size	3335x1110x1900 mm	3335x1110x1900 mm	3270/3770x1150x1900 mm

细节展示 Details



- 多功能溜板箱，操作简单灵活
- Good function & Easy operate apron



- 大范围强力进给箱
- Big range & power feed box

可选附件 Optional accessories

- GD-125 车床内外径研磨机
- GD-125 Lathe diameter grinding machine



LATHE MACHINE

车床

TURNER 660x2000
660x3000
TURNER 800x2000
800x3000



· 卡盘护罩 (可选)
· Chuck cover (For optional)

细节展示 Details



· 尾架
· Tailstock



· 主轴箱 & 进给箱
· Spindle box & feed box



· 中心架
· Steady rest



· 多功能溜板箱
· Good function box

- 标准附件 :
- 三爪卡盘 $\Phi 315/D8$
- 挂轮
- 油盘
- 变径套
- 死顶尖
- 挡屑板
- 冷却系统
- 乱扣盘
- 中心架 $\Phi 20-170$
- 跟刀架 $\Phi 20-130$
- 工作灯
- 四爪卡盘 $\Phi 400/D8$
- 花盘 $\Phi 450$

- Standard Accessories:
- 3-jaw chuck $\Phi 315/D8$
- Change gear kit
- Chip tray
- Reduction bush
- Dead center
- Splash guard
- Coolant system
- Chasing dial indicator
- Steady rest $\Phi 20-170$
- Follow rest $\Phi 20-130$
- Work light
- 4-jaw chuck $\Phi 400/D8$
- Face plate $\Phi 450$

- 可选附件 :
- 车锥度附件
- 活顶尖
- 丝杆防护罩
- 快换刀架
- 套装组合车刀
- 三轴数显
- 卡盘护罩
- 中心架 $\Phi 190-380$
- GD-125 车床内外径研磨机

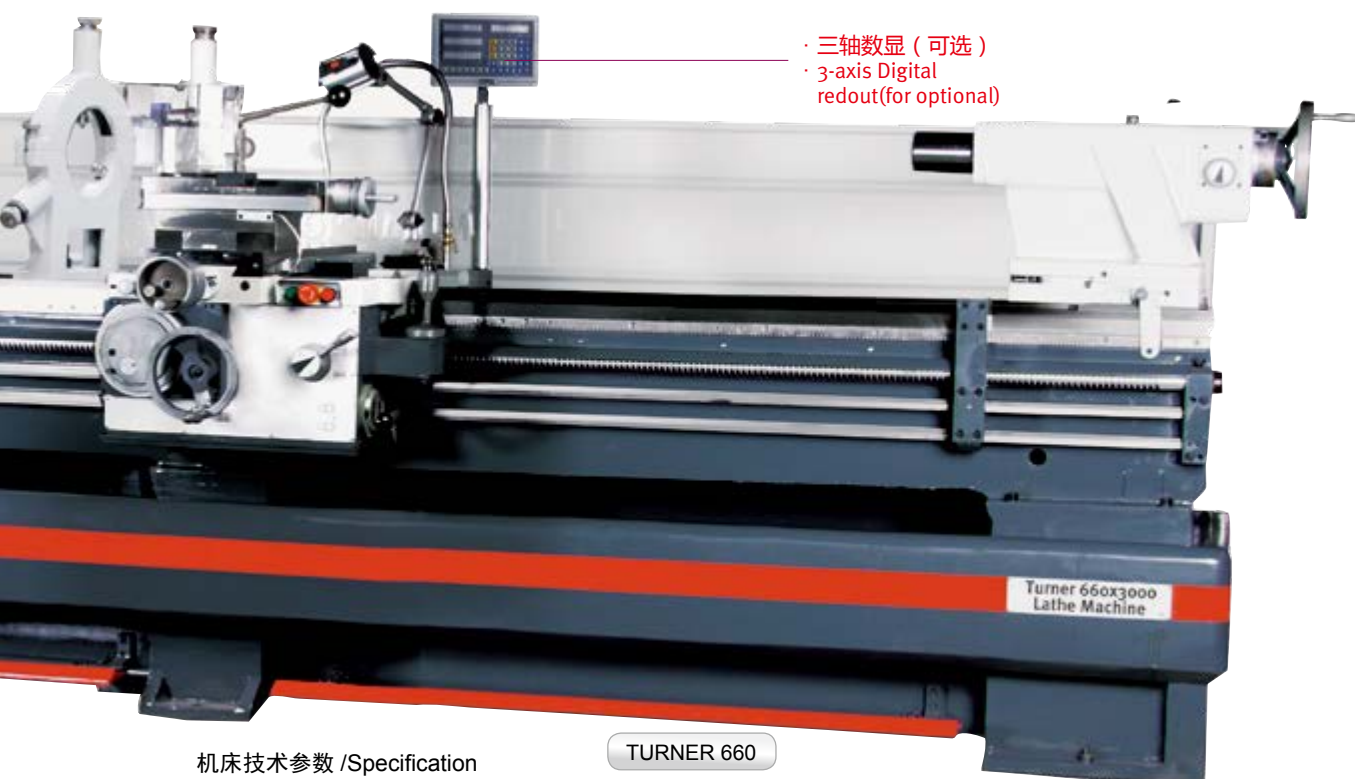
- Optional Accessories:
- Tapet turning attachment
- Live center
- Leadscrew cover
- Quick change tool post
- Turning tool kit
- 3-Axis digital readout
- Chuck cover
- Steady rest $\Phi 190-380$
- GD-125 Lathe diameter grinding machine



三轴数显装置
3-axis digital readout



GD-125 车床内外径研磨机
GD-125 Lathe diameter grinding machine



· 三轴数显 (可选)
· 3-axis Digital
redout(for optional)

机床技术参数 /Specification

TURNER 660

型号	Model	Turner 660x2000 Turner 660x3000	Turner 800x2000 Turner 800x3000
产品编号	Code No.	4266500/4266700	4280500/4280700
加工范围	Capacity		
床身上最大回转直径	Swing over bed	Ø660 mm	Ø800 mm
拖板上最大回转直径	Swing over cross slide	Ø440 mm	Ø570 mm
马鞍槽内最大回转直径	Swing in gap diameter	Ø900 mm	Ø1035 mm
花盘前马鞍有效长度	Length of gap	250 mm	250 mm
两顶尖中心距	Admits between	2000 mm/3000 mm	2000 mm/3000 mm
主轴中心高	Center height	330 mm	400 mm
床身宽度	Width of bed	400 mm	400 mm
主轴	HEADSTOCK		
主轴端部	Spindle nose	D1-8	D1-8
主轴通孔直径	Spindle bore	Ø105 mm	Ø105 mm
主轴内孔锥度	Taper of spindle bore	1:20/MT5	1:20/MT5
主轴转速范围	Range of spindle speed	25-1600 rpm	25-1600 rpm
进给及螺纹	FEEDS AND THREADS		
小拖板最大行程	Top slide travel	230 mm	230 mm
中拖板最大行程	Cross slide travel	368 mm	420 mm
大丝杆规格	Lead screw thread	Ø40mm x 2 TPI or Ø40mm x 12mm	Ø40mm x 2 TPI or Ø40mm x 12mm
车刀刀杆最大截面	Max. Section of tool	25x25 mm	25x25 mm
公制螺纹范围	Threads metric pitches	0.45-120 mm(54kinds)	0.45-120 mm(54kinds)
英制螺纹范围	Threads imperial pitches	7/16-80 T.P.I.(54kinds)	7/16-80 T.P.I.(54kinds)
尾座	TAILSTOCK		
尾座套筒直径	Quill diameter	Ø90 mm	Ø90 mm
尾座套筒行程	Quill travel	235 mm	235 mm
尾座套筒内孔锥度	Quill taper	MT5	MT5
横向调整	Cross adjustment	±13 mm	±13 mm
电机	MOTOR		
主电机功率	Main motor power	7.5 KW	7.5 KW
冷却泵功率	Coolant pump power	0.1 KW	0.1 KW
外形尺寸及重量	DIMENSION AND WEIGHT		
外形尺寸 (长×宽×高)	Overall dimension(L×W×H)	3710x1230x1600 mm/ 4710x1230x1600 mm	3710x1230x1670 mm/ 4710x1230x1670 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	3740x1140x1840 mm/ 4740x1140x1840 mm	3740x1140x1910 mm/ 4740x1140x1910 mm
净重/毛重	NW/GW	3345/3835 kg 3710/4310 kg	3455/4005 kg 3820/4495 kg

LATHE MACHINE

车床

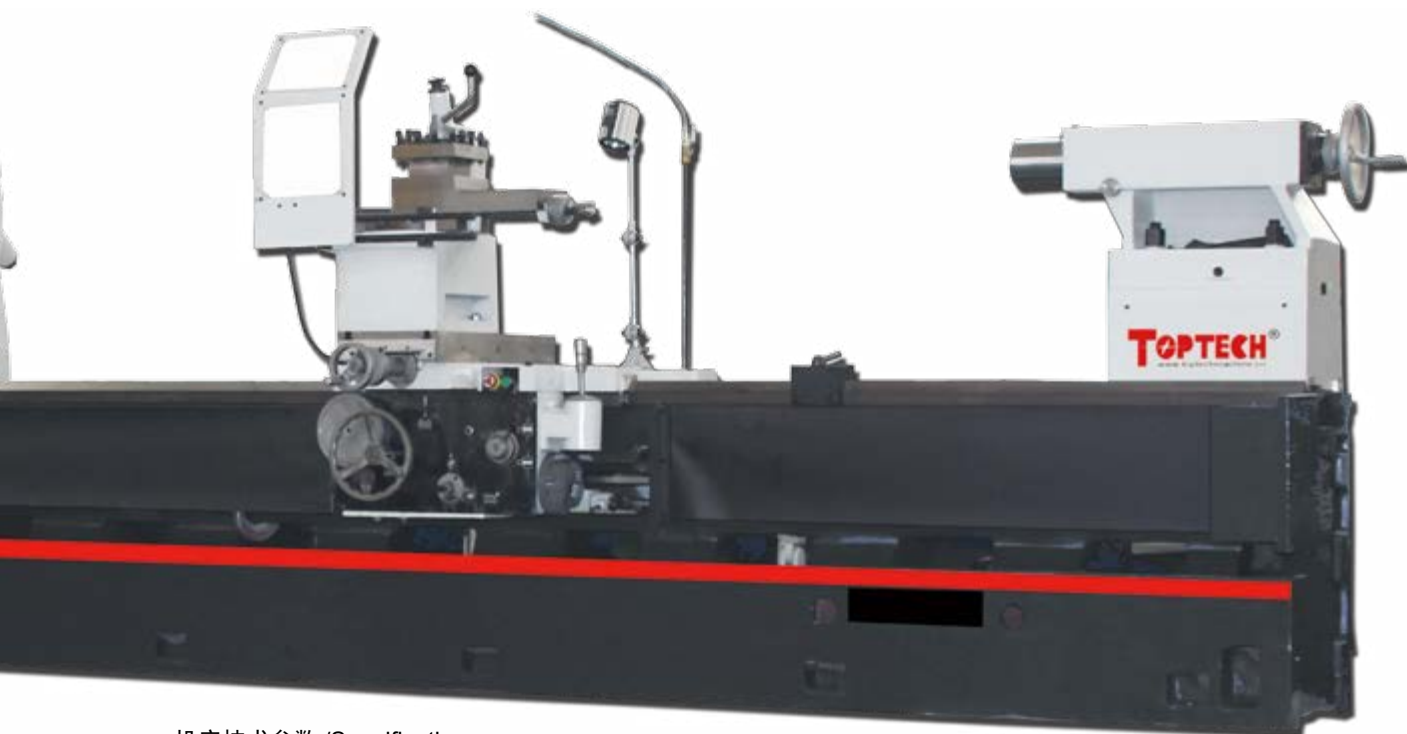
TURNER 800H
TURNER 1000H
TURNER 1200H

床身宽度 Bed width 550mm



Turner 1200H

Standard accessories:	标准配置 :	备注 Remark
Driving plate $\varnothing 350$	拨盘 $\varnothing 350$	
Three-jaw chuck $\varnothing 325$	三爪卡盘 $\varnothing 325$	
Three-jaw chuck sect	三爪卡盘座	
Four-jaw chuck $\varnothing 400$	四爪卡盘 $\varnothing 400$	
Four-jaw chuck sect	四爪卡盘座	
Spindle Center	主轴顶尖	
Tailstock center	尾座顶尖	
Center sleeve	顶尖套	
Tool post spanner	刀架扳手	
Steady rest	中心架	小于2M车床不配中心架, 8M以上车床配2只中心架, 其余配1只。 Below 2M without steady rest, above 8M with two steady rests, others with one.
Follower rest	跟刀架	小于3M车床不配跟刀架, 其余配1只跟刀架。 Below 3M without follow rest, others with one.
Iron gasket	调整垫铁	
Thread dial	乱扣盘	
Round nut spanner	圆螺母扳手	
Special accessories:	特殊配置 :	
Taper turning attachment	锥度靠模	
Face chuck $\varnothing 800\text{mm}/\varnothing 1000\text{mm}$	花盘 $\varnothing 800\text{mm}/\varnothing 1000\text{mm}$	
Three-jaw chuck $\varnothing 400\text{mm}$	三爪卡盘 $\varnothing 400\text{mm}$	
Four-jaw chuck $\varnothing 630\text{mm}$	四爪卡盘 $\varnothing 630\text{mm}$	



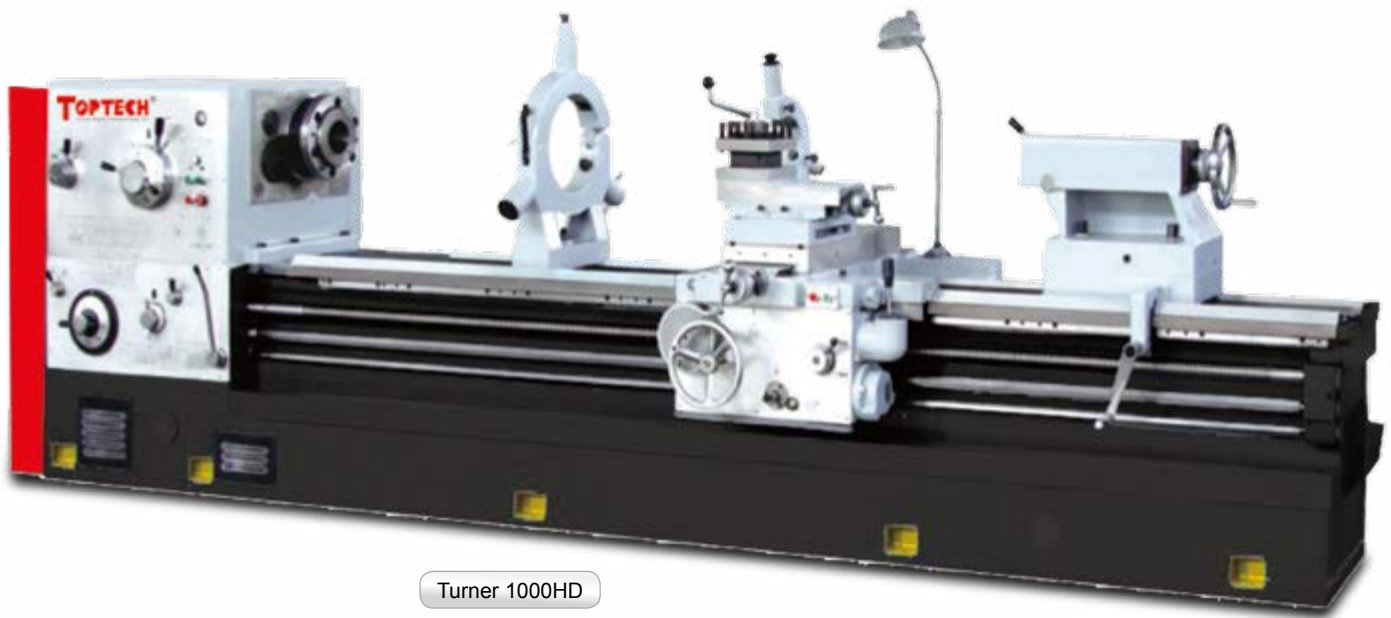
机床技术参数 /Specification

型号	MODEL	Turner 800H	Turner 1000H	Turner 1200H
货号	Item No.	4602000	4613000	4603000
加工能力	CAPACITIES			
床身上最大回转直径	Max.swing over bed	Ø800 mm	Ø1000 mm	Ø1200 mm
横拖板上最大回转直径	Max.swing over cross slide	Ø485 mm	Ø685 mm	Ø800 mm
两顶尖距	Center distance	1000 /1500 /2000 /3000 /4000 /5000 /6000 /8000 /10000 mm		
马鞍上最大回转直径	Max.swing over gap	Ø1000mm	Ø1200mm	Ø1400 mm
花盘前马鞍有效长度	Valid length of gap	300 m	300 m	300 m
床身宽度	Bed width	550 mm	550 mm	550 mm
床头箱	HEAD-STOCK			
主轴孔径	Spindle hole	Ø105 mm/Ø130 mm(可选)		
主轴端部尺寸	Spindle nose	C-11 or D-11/ C-15 or D-15 (可选)	C-11 or D-11/ C-15 or D-15 (可选)	C-11 or D-11/ C-15 or D-15 (可选)
主轴锥孔	Spindle taper	1:20	1:20	1:20
主轴转速范围 (级数)	Spindle speeds(Number)	14-750 rpm(18 STEPS)	14-750 rpm(18 STEPS)	14-750 rpm(18 STEPS)
进给箱	GEAR BOX-THREADS & FEEDS			
公制螺纹范围 (种数)	Metric threads range(kinds)	1-240 mm(54 kinds)	1-240 mm(54 kinds)	1-240 mm(54 kinds)
英制螺纹范围 (种数)	Inch threads rangs(Kinds)	28-1 TPI(36 kinds)	28-1 TPI(36 kinds)	28-1 TPI(36 kinds)
拖板	CARRIAGE			
中拖板行程	Cross slide travel	420 mm	520 mm	520 mm
小拖板行程	Top slide travel	200 mm	200 mm	200 mm
车刀杆尺寸	Size of tool shank	32×32 mm	32×32 mm	32×32 mm
尾座	TAILSTOCK			
尾座套筒直径	Spindle diameter	Ø100 mm	Ø120 mm	Ø120 mm
尾座套筒锥度	Spindle taper	MT6	MT6	MT6
尾座套筒行程	Spindle travel	240 mm	240 mm	240 mm
电机功率	MOTOR			
主轴功率	Spindle power	11 KW	11 KW	11 KW
冷却泵电机	Coolant pump motor	0.09 KW	0.09 KW	0.09 KW
快速进给电机	Rapid feed motor	1.1 KW	1.1 KW	1.1 KW
净重	N.W.			
两顶尖距为：(1500mm)	Center distance:(1500mm)	4800 kg	5300 kg	5800 kg
外形尺寸 (长*宽*高)	WEIGHT FLOOR SPACE(L*W*H)			
两顶尖距为：(1500mm)	Center distance: (1500mm)	3452x1326x1390 mm	3452x1326x1390 mm	3452x1326x1390 mm

LATHE MACHINE

车床 TURNER 1000HD/1200HD

床身宽度 Bed width 600mm



Turner 1000HD

Standard accessories:	标准配置：	备注 Remark
Three-jaw chuck $\varnothing 325$	三爪卡盘 $\varnothing 325$	
Three-jaw chuck sect	三爪卡盘座	
Four-jaw chuck $\varnothing 400$	四爪卡盘 $\varnothing 400$	
Four-jaw chuck sect	四爪卡盘座	
Spindle Center	主轴顶尖	
Tailstock center	尾座顶尖	
Center sleeve	顶尖套	
Square socket wrench	方套筒扳手	
Steady rest	中心架	小于2M车床不配中心架，8M以上车床配2只中心架，其余配1只。 Below 2M without steady rest, above 8M with two steady rests, others with one.
Follower rest	跟刀架	小于3M车床不配跟刀架，其余配1只跟刀架。 Below 3M without follow rest, others with one.
Iron gasket	调整垫铁	
Special accessories:	特殊配置：	
Face plate $\varnothing 800\text{mm}/\varnothing 1000\text{mm}$	花盘 $\varnothing 800\text{mm}/\varnothing 1000\text{mm}$	
Larger size steady rest $\varnothing 200-\varnothing 450$	大规格中心架 $\varnothing 200-\varnothing 450$	
Compound slide auto feed	小刀架自动走刀	
Taper turning attachment	锥度靠模	
Three-jaw chuck $\varnothing 400\text{mm}$	三爪卡盘 $\varnothing 400\text{mm}$	
Four-jaw chuck $\varnothing 630\text{mm}$	四爪卡盘 $\varnothing 630\text{mm}$	

机床技术参数 /Specification

型号	MODEL	Turner 1000HD	Turner 1200HD
货号	Item No.	4813000	4803000
加工能力	CAPACITY		
床身上最大回转直径	Max.swing over bed	Ø1000 mm	Ø1200 mm
马鞍内最大回转直径	Max.swing over gap	Ø1200 mm	Ø1400 mm
横拖板上最大回转直径	Max.swing over cross slide	Ø680 mm	Ø680 mm
两顶尖距	Center distance	1m 1.5m 2m 3m 4m 5m 6m 8m 10m 12m	1m 1.5m 2m 3m 4m 5m 6m 8m 10m 12m
床身导轨宽度	Width of bed	600 mm	600 mm
床头箱	HEAD STOCK		
主轴孔径	Spindle hole	Ø105 mm 或 Ø130 mm (可选)	
主轴锥孔	Spindle taper	1:20	1:20
主轴转速范围	Spindle speeds	5.5-730 rpm	5.5-730 rpm
进给系统	GEAR Box-threads&feeds		
公制螺纹mm	Metric threads mm	1-240 mm (52)	1-240 mm (52)
英制螺纹TPI	Inch threads TPI	1-14 (26)TPI	1-14 (26)TPI
快速进给纵向/横向	Rapid feed:long/cross	4000 mm/min,2000 mm/min	4000 mm/min,2000 mm/min
刀架	TOOL-POST		
刀具截面	Tool section	32×32 mm	32×32 mm
拖板	CARRIAGE		
滑板最大横向行程	Cross slide travel	520 mm	520 mm
小拖板最大行程	Top slide travel	200 mm	200 mm
尾座	TAILSTOCK		
尾座套筒直径	Sleeve diameter	Ø120 mm	Ø120 mm
尾座套筒锥度	Sleeve taper	MT6	MT6
尾座套筒最大行程	Sleeve travel	240 mm	240 mm
中心架	Steady rest	Ø100-300 mm	Ø100-300 mm
跟刀架	Follow rest	Ø20-135 mm	Ø20-135 mm
电机功率	MOTOR		
主电机	Main motor	11 KW	11 KW
快速进给电机	Rapid feed motor	1.1 KW	1.1 KW

Turner 1000HD 净重 (kg) 外形尺寸 (长宽高)	Turner 1000HD Net weight(kg) Dimention(L×W×H)	2000mm	5600kg	4000×1170×1250mm
		3000mm	6200kg	5000×1170×1250mm
		4000mm	6800kg	6000×1170×1250mm
		5000mm	7400kg	7000×1170×1250mm
		6000mm	8000kg	8000×1170×1250mm
		8000mm	9200kg	10000×1170×1250mm
		10000mm	10500kg	12000×1170×1250mm
		12000mm	11800kg	14000×1170×1250mm

LATHE MACHINE

车床 TURNER I400HM/I600HM

床身宽度 Bed width 780mm



Turner 1400HM

Standard accessories:	标准配置：	备注 Remark
Four-jaw chuck $\phi 1250$	四爪卡盘 $\phi 1250$	
Main spindle centre Morse 6#	主轴顶尖 莫氏 6#	
Centre sleeve	顶尖套	
Tailstock centre Metric 80	尾架顶尖 公制80	
Fixed wrench by four-jaw chuck	四爪卡盘固定扳手	
Steady rest $\phi 50-\phi 470$	中心架 $\phi 50-\phi 470$	3M以上车床配1只, 8M以上配2只 Above 3M with one, above 8M with two
Follower rest $\phi 50-\phi 220$	跟刀架 $\phi 50-\phi 220$	3M以上车床配1只 Above 3M with one
Adjusting bolt of shim plate	垫铁调整螺栓	
Anchor bolt (Including nut and gasket)	地脚螺栓 (含螺母及垫圈)	
Electrical cabinet	电气箱	
Oil gun	油枪	
Double-headed solid wrench	双头呆扳手	
Special accessories:	特殊配置：	
Steady rest $\phi 380-\phi 800$	中心架 $\phi 380-\phi 800$	
Electric tailstock	电动尾座	
Live center	活顶尖	

机床技术参数 /Specification

型号	MODEL	Turner 1400HM	Turner 1600HM
货号	Item No.	4705100	4707100
机床最大承重	Max.weight of workpiece	8 T	8 T
床身上最大回转直径	Max.swing over bed	Ø1400 mm	Ø1600 mm
横拖板上最大回转直径	Max.swing over cross slide	Ø1000 mm	Ø1200 mm
两尖顶距离	Center distance	1.5m 2m 3m 4m 5m 6m 8m 10m 12m	1.5m 2m 3m 4m 5m 6m 8m 10m 12m
床身宽度	Width of bed	780 mm	780 mm
床头箱	HEAD STOCK		
主轴孔径	Spindle hole	Ø130 mm	Ø130 mm
主轴锥孔	Spindle taper	140#	140#
主轴转速范围	Spindle speeds	3.15-315r/min或2.5-250r/mm.转数种数：正21种，反12种	3.15-315r/min或2.5-250r/mm.转数种数：正21种，反12种
进给箱	GEAR BOX-THREADS&FEEDS		
快速进给：纵向/横向	Rapid feed:Long/Cross	3400 mm/min,1700 mm/min	3400 mm/min,1700 mm/min
刀架	TOOL-POST		
主轴中心至刀具安装面距离	Distance between Center & Tool	48 mm	48 mm
刀具截面	Tool section	45×45 mm	45×45 mm
拖板	CARRIAGE		
中拖板最大行程	Cross slide travel	650 mm	650 mm
小拖板最大行程	Top slide travel	280 mm	280 mm
尾座	TAILSTOCK		
尾座套筒直径	Sleeve diameter	Ø160 mm	Ø160 mm
尾座套筒锥度	Sleeve taper	80# or MT6	80# or MT6
尾座套筒最大行程	Sleeve travel	300 mm	300 mm
电机	MOTOR		
主电机	Main motor	22 KW	22 KW
冷却泵电机	Coolant motor	0.15 KW	0.15 KW
快速进给电机	Rapid feed motor	1.5 KW	1.5 KW

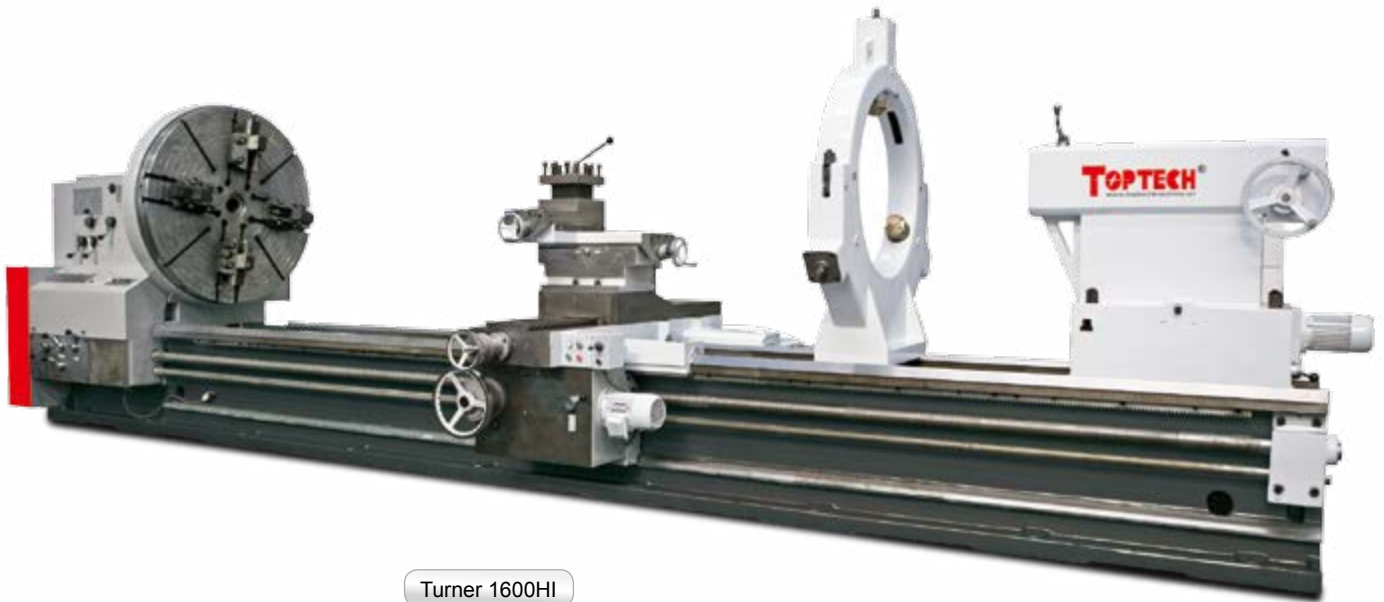
两尖顶距·净重·外形尺寸 Turner 1400HM	Center distance.Net weight. Turner 1400HM	1500 mm	11700kg	4600×1900×2400mm
		2000 mm	12500kg	5100×1900×2400mm
		3000 mm	13300kg	6100×1900×2400mm
		4000 mm	14100kg	7100×1900×2400mm
		5000 mm	14900kg	8100×1900×2400mm
		6000 mm	15700kg	9100×1900×2400mm
		8000 mm	17300kg	11100×1900×2400mm
		10000 mm	18900kg	13100×1900×2400mm
		12000 mm	20500kg	15100×1900×2400mm

LATHE

LATHE MACHINE

车床 TURNER I600HI/I800HI

床身宽度 **Bed width 970mm**



Turner 1600HI

Turner 1600HI	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	$\varnothing 1400$ (standard) $\varnothing 1600$ (optional)	$\varnothing 200-550$ (standard) $\varnothing 500-850$ (optional)	$\varnothing 600-1250$ (optional)
Turner 1800HI	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	$\varnothing 1600$ (standard) $\varnothing 1800$ (optional)	$\varnothing 500-850$ (standard) $\varnothing 200-550$ (optional)	$\varnothing 750-1450$ (optional)

中心距 (mm) Center distance	占地面积 (mm ²) Floor area
1500	5150×2380
2000	5650×2380
3000	6650×2380
5000	8650×2380
6000	9650×2380
8000	11650×2380
10000	13650×2380
16000	19280×2300

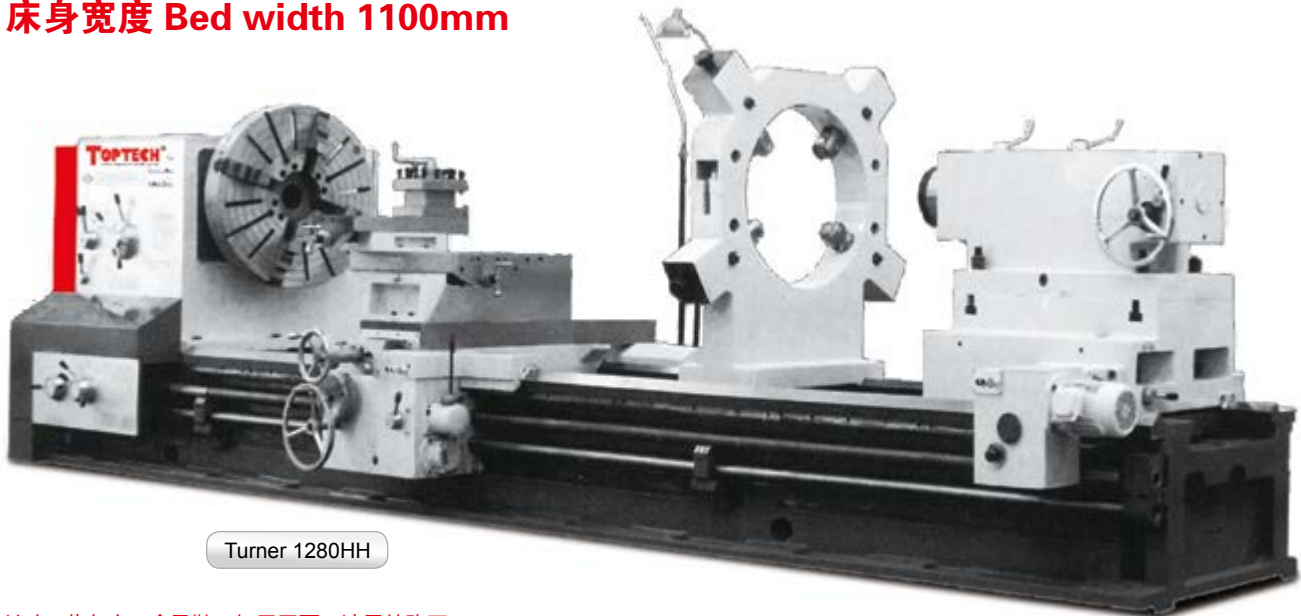
机床技术参数 /Specification

型号	Model	Turner 1600HI	Turner 1800HI
货号	Item No.	4807301	4814301
加工能力	CAPACITY		
工件最大重量	Max. weight of workpiece	10 T	10 T
床身宽度	Width of bed	970 mm	970 mm
床身上最大工件回转直径	Swing diameter over bed	Ø1600 mm	Ø1800 mm
刀架上最大回转直径	Swing diameter over tool rest	Ø1250 mm	Ø1450 mm
最大工件长度	Max. length of workpiece	3000 /5000 /8000 mm	
最大车削长度	Max. length of turning	2800 /4800 /7800 mm	
床头箱	HEAD STOCK		
插入主轴孔棒料最大直径	Diameter of barstock inserted in spindle hole	Ø97 mm	Ø97 mm
主轴孔直径	Diameter of spindle hole	Ø160 mm	Ø160 mm
主轴孔前端锥度	Taper of spindle nose	1:20	1:20
主轴正反转每分钟转速范围	Range of spindle speeds	4-192 rpm	4-192 rpm
卡盘直径	Chuck diameter	Ø1400 mm	Ø1600 mm
进给箱	GEAR BOX		
主轴每转刀架的进给量范围-纵向	Longitudinal feed range of tool rest	0.057 ~ 12.720 mm	0.057 ~ 12.720 mm
主轴每转刀架的进给量范围-横向	Cross feed range of tool rest	0.023 ~ 5.296 mm	0.023 ~ 5.296 mm
公制螺纹的螺距范围/种数	Pitch of metric threads / kinds	1 ~ 224 mm / 46	1 ~ 224 mm / 46
英制螺纹的每吋牙数范围/种数	Teeth of inch threads / kinds	28 ~ 1 TPI /46	28 ~ 1 TPI /46
模数螺纹的模数范围/种数	Range of module threads / kinds	0.25 ~ 56 mm / 37	0.25 ~ 56 mm / 37
刀架	TOOL-POST		
主轴中心线至刀具安装基面的垂直距离	Vertical distance from spindle to turret	48 mm	48 mm
刀杆的横剖面尺寸(高×宽)	Section of cutter arbor(height*width)	45×45 mm	45×45 mm
小刀架最大行程	Stroke of compound rest	300 mm	300 mm
安装车刀数量	Number of lathe tool	4	4
刀架快速移动速度-纵向	Longitudinal rapid moving speed	3.8 m/min	3.8 m/min
刀架快速移动速度-横向	Cross rapid moving speed	1.9 m/min	1.9 m/min
尾架	TAILSTOCK		
套筒直径	Diameter of sleeve	Ø200 mm	Ø200 mm
尾架锥孔的锥度	Taper of tailstock	MT6	MT6
尾架套筒最大行程	Stroke of tailstock sleeve	250 mm	250 mm
床尾横向行程	Cross stroke of tailstock	±12 mm	±12 mm
电机	MOTOR		
主电机功率	Power of main motor	22 KW	22 KW
主电机转速	Speed of main motor	970 rpm	970 rpm
溜板快速电机功率	Power of rapid motor of apron	1.5 KW	1.5 KW
溜板快速电机转速	Speed of rapid motor of apron	1400 rpm	1400 rpm
尾架电机功率	Tailstock electrical power	1.1 KW	1.1 KW
润滑及冷却电泵功率	Power of lubricating and coolant pump	0.125 KW	0.125 KW
机床高度	Height of machine	2300 mm	2500 mm

LATHE MACHINE

车床 TURNER I280HH/I480HH/I680HH /I980HH/2080HH

床身宽度 Bed width 1100mm



Turner 1280HH

注意：此车床不含马鞍，如果需要，请另外购买！

Notice: This lathe does not include saddle, if need, please order it separately!

Standard accessories:	标准配置：	备注 Remark
Heavy-duty four-jaw chuck (Nut, spanner) ø1000(1280HH) ø1250(1480HH/1680HH/1980HH/2080H)	重型四爪卡盘 (螺钉、扳手) ø1000(1280HH) ø1250(1480HH/1680HH/1980HH/2080H)	
Steady rest ø200-ø500	中心架 ø200-ø500	3M以上配一只，6M以上再配一只500-800mm的大中心架 Above 3M with one , above 6M with one 500-800mm steady rest
Main spindle centre Morse 6#	主轴顶尖 莫氏6#	
Centre sleeve	顶尖套	
Tailstock centre	尾架顶尖	
Adjusting bolt of shim plate	垫铁 调整螺钉	
Anchor bolt (Including nut and gasket)	地脚螺栓(螺母及垫圈)	
Gear (equipped on the machine)	齿轮 (已装在机床上)	
Socket head wrench fixed by four-jaw chuck	四爪卡盘 固定扳手	
Oil gun	油枪	
Tool post spanner	刀架扳手	
Special accessories:	特殊配置：	
Larger size steady rest (Less than 5000mm)	大中心架 ø500-ø800 (6米以下)	
Gig heavy-duty four-jaw chuck ø1600	大重型四爪卡盘 ø1600	
Follower rest ø60-ø200 (800HH) ø80-ø350(1000HH/1200HH/1500HH/1600HH)	跟刀架 ø60-ø200 (1280HH) ø80-ø350(1480HH/1680HH/1980HH/2080H)	

机床技术参数 /Specification

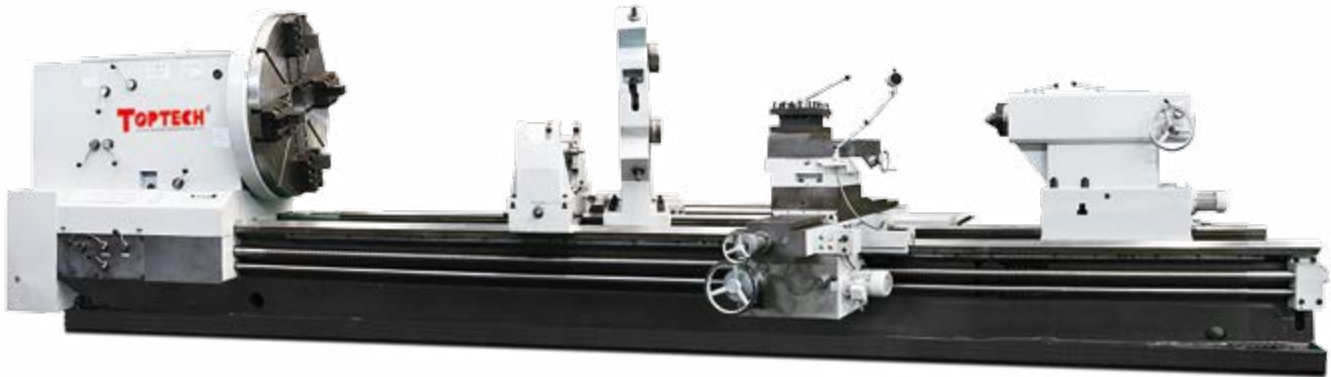
型号	MODEL	Turner 1280HH	Turner 1480HH	Turner 1680HH	Turner 1980HH	Turner 2080HH
货号	Item No.	4604200	4606200	4608200	4609200	4615200
机床最大承重	Max workpiece weight	12 T	12 T	12 T	12 T	12 T
床身上最大回转直径	Max swing over bed	Ø1280 mm	Ø1480 mm	Ø1680 mm	Ø1980 mm	Ø2080 mm
横拖板上最大回转直径	Max swing over cross slide	Ø840 mm	Ø1040 mm	Ø1240 mm	Ø1500 mm	Ø1600 mm
两尖顶距离	Center distance	2m 3m 4m 5m 6m 8m 10m 12m				
马鞍上最大回转直径	Max swing over gap	Ø1580 mm	Ø1780 mm	Ø1980 mm	Ø2280 mm	Ø2380 mm
马鞍槽端面到主轴法兰盘端面距离	Valid length of gap	600 mm	600 mm	600 mm	600 mm	600 mm
床身宽度	Bed width	1100 mm	1100 mm	1100 mm	1100 mm	1100 mm
床头箱	Headstock					
主轴孔径	Spindle bore	Ø130 mm	Ø130 mm	Ø130 mm	Ø130 mm	Ø130 mm
主轴锥孔	Spindle taper	140#	140#	140#	140#	140#
主轴转速范围	Spindle speeds	3-315 rpm或2-200 rpm或2-250 rpm				
进给箱	GEAR BOX-THREADS & FEEDS					
快速进给：纵向/横向	Rapid feed:long/cross	3400 mm/min,1700 mm/min				
刀架	TOOL POST					
主轴中心至刀具安装面距离	Distance between Center&Tool	48 mm	48 mm	48 mm	48 mm	48 mm
刀具截面	Tool section	45×45 mm	45×45 mm	45×45 mm	45×45 mm	45×45 mm
拖板	CARRIAGE					
中拖板最大行程	Cross slide travel	860 mm	860 mm	860 mm	860 mm	860 mm
小拖板最大行程	Top slide travel	280 mm	280 mm	280 mm	280 mm	280 mm
尾座	TAILSTOCK					
尾座套筒直径	Sleeve diameter	Ø260 mm	Ø260 mm	Ø260 mm	Ø260 mm	Ø260 mm
尾座套筒锥度	Sleeve taper	80#	80#	80#	80#	80#
尾座套筒最大行程	Sleeve travel	300 mm	300 mm	300 mm	300 mm	300 mm
电机	MOTOR					
主电机	Main drive motor	30 KW	30 KW	30 KW	30 KW	30 KW
冷却泵电机	Coolant pump motor	0.15 KW	0.15 KW	0.15 KW	0.15 KW	0.15 KW
快速进给电机	Rapid feed motor	1.5 KW	1.5 KW	1.5 KW	1.5 KW	1.5 KW
尾架电机	Tailstock motor	1.5 KW	1.5 KW	1.5 KW	1.5 KW	1.5 KW

两尖顶距·净重·外形尺寸 Turner 1480HH	Center distance:Net weight. Dimention Turner 1480HH	2000 mm	18000kg	5280×2200×2600mm
		3000 mm	19000kg	6280×2200×2600mm
		4000 mm	20000kg	7280×2200×2600mm
		5000 mm	21000kg	8280×2200×2600mm
		6000 mm	22000kg	9280×2200×2600mm
		8000 mm	24000kg	11280×2200×2600mm
		10000 mm	26000kg	13280×2200×2600mm
		12000 mm	28000kg	15280×2200×2600mm

LATHE MACHINE

车床 TURNER 1600HH/1800HH/2000HH

床身宽度 Bed width 1100mm



Turner 1600HH

Turner 1600HH	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	ø1400 (standard)	ø200-550 (standard)	ø600-1250 (optional)
	ø1600 (optional)	ø500-800 (optional)	
Turner 1800HH	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	ø1600 (standard)	ø500-800 (standard)	ø750-1450 (optional)
	ø1800 (optional)	ø200-550 (optional)	
Turner 2000HH	花盘	中心架	开式中心架
	Face plate	Steady rest	Open steady
	ø1800 (standard)	ø500-800 (standard)	ø880-1650 (optional)
	ø2000 (optional)	ø200-550 (optional)	

中心距 (mm) Center distance	占地面积 (mm ²) Floor area
3000	6280*2300
5000	8280*2300
6000	9280*2300
8000	11280*2300
10000	13280*2300
12000	15280*2300
14000	17280*2300
16000	19280*2300

机床技术参数 /Specification

型号	Model	Turner 1600HH	Turner 1800HH	Turner 2000HH
货号	Item No.	4607501	4614501	4610501
加工能力	CAPACITY			
工件最大重量	Max. weight of workpiece	18 T	18 T	18 T
床身宽度	Width of bed	1100 mm	1100 mm	1100 mm
床身上最大工件回转直径	Swing diameter over bed	Ø1600 mm	Ø1800 mm	Ø2000 mm
刀架上最大回转直径	Swing diameter over tool rest	Ø1250 mm	Ø1450 mm	Ø1650 mm
最大工件长度	Max. length of workpiece	5000 /6000 /8000 /10000 /12000 mm		
最大车削长度	Max. length of turning	4800 /5800 /7800 /9800 /11800 mm		
床头箱	HEAD STOCK			
插入主轴孔棒料最大直径	Diameter of barstock inserted in spindle hole	Ø97 mm	Ø97 mm	Ø97 mm
主轴孔直径	Diameter of spindle hole	Ø100 mm	Ø100 mm	Ø100 mm
主轴孔前端锥度	Taper of spindle nose	1:20	1:20	1:20
主轴正反转每分钟转速范围	Range of spindle speeds	3-136 rpm	3-136 rpm	3-136 rpm
进给箱	GEAR BOX			
主轴每转刀架的进给量范围-纵向	Longitudinal feed range of tool rest	0.057 ~ 12.726 mm	0.057 ~ 12.726 mm	0.057 ~ 12.726 mm
主轴每转刀架的进给量范围-横向	Cross feed range of tool rest	0.023 ~ 5.296 mm	0.023 ~ 5.296 mm	0.023 ~ 5.296 mm
公制螺纹的螺距范围/种数	Pitch of metric threads / kinds	1 ~ 224 mm /46	1 ~ 224 mm /46	1 ~ 224 mm /46
英制螺纹的每吋牙数范围/种数	Teeth of inch threads / kinds	28 ~ 1 TPI / 46	28 ~ 1 TPI / 46	28 ~ 1 TPI / 46
模数螺纹的模数范围/种数	Range of module threads / kinds	0.25 ~ 56 mm /37	0.25 ~ 56 mm /37	0.25 ~ 56 mm /37
刀架	TOOL-POST			
主轴中心线至刀具安装基面的垂直距离	Vertical distance from spindle to turret	48 mm	48 mm	48 mm
刀杆的横剖面尺寸(高×宽)	Section of cutter arbor(height*width)	45×45 mm	45×45 mm	45×45 mm
小刀架最大行程	Stroke of compound rest	300 mm	300 mm	300 mm
安装车刀数量	Number of lathe tool	4	4	4
刀架快速移动速度-纵向	Longitudinal rapid moving speed	3.8 m/min	3.8 m/min	3.8 m/min
刀架快速移动速度-横向	Cross rapid moving speed	1.9 m/min	1.9 m/min	1.9 m/min
尾架	TAILSTOCK			
套筒直径	Diameter of sleeve	Ø260 mm	Ø260 mm	Ø260 mm
回转主轴	Turning spindle	Ø120 mm	Ø120 mm	Ø120 mm
尾架锥孔的锥度	Taper of tailstock	公制80	公制80	公制80
尾架套筒最大行程	Stroke of tailstock sleeve	250 mm	250 mm	250 mm
床尾横向行程	Cross stroke of tailstock	±12 mm	±12 mm	±12 mm
电机	MOTOR			
主电机功率	Power of main motor	30 KW	30 KW	30 KW
主电机转速	Speed of main motor	1470 rpm	1470 rpm	1470 rpm
溜板快速电机功率	Power of rapid motor of apron	1.5 KW	1.5 KW	1.5 KW
溜板快速电机转速	Speed of rapid motor of apron	1400 rpm	1400 rpm	1400 rpm
润滑电泵功率	Power of lubricating pump	0.18 KW	0.18 KW	0.18 KW
尾架电机功率	Tailstock electrical power	1.1 KW	1.1 KW	1.1 KW
冷却电泵功率	Power of coolant pump	0.125 KW	0.125 KW	0.125 KW
机床高度	Height of machine	2300 mm	2500 mm	2700 mm

DIGITAL POSITION DISPLAY

数显表 DPA2000

用于机床和驱动器行程和定位精度测量
for precise measuring of the travels and positioning on the machine and drives



- 大量缩减生产加工时间
• Considerable reduction of the manufacturing times
- 易操作
• Easy-to-operate
- 工作精度高
• High working accuracy
- 降低故障率
• Error rate is reduced
- 键盘分布清晰
• Clearly-arranged keyboard
- 防炫目显示屏
• Glare-free display
- 八位带符号的LED显示屏
• LED display with eight digits including sign
- 永久性存储器 (防断电)
• Permanent memory even in case of a power failure
- 键盘保护防水溅
• Splash water protected, enclosed keypad
- 高质量铝壳
• High quality aluminium housing
- 铣床版和车床版轻松切换分辨率
• Switchable for milling machine and lathe with freely selectable resolution
- 数显: X, Y/Z0, Z三轴带八位LED数显 (符号是第一个数字)
• Display: X, Y/Z0, Z axis with 8-digit LED display each (the sign is the first digit)
- 每把刀三次评估测量输入 (带七次修正记忆)
• Three evaluable measuring inputs with seven correction memories for tools each
- 接电
• Electrical connection 230 V ~50 Hz
- 尺寸
• Dimensions L x W x H: 280 x 70 x 190 mm
- 重量
• Weight: 2.6 kg

可能的功能 Possible functions

- 计算器 Calculator
- 绝对/增量操作 Absolute/incremental operation
- 联轴(总和 Z) Axis coupling (sum Z)
- Sub D插座 Sub D plugs sockets
- 数显值公英制可选 Optionally display of the values in inch or millimetres
- 节距计算 (链条尺寸) Pitch circle calculator (chain dimension)
- 节距坐标 Coordinates in the circle (pitch circle)
- 节距孔 Holes in the circle (pitch circle)
- 计数方向选择 Selection of the direction of counting
- 三轴线性误差补偿 Linear error compensation of the axes
- Z 和 Zo轴数值显示 (总和激活) Display of the values for Z and Zo as sum is enabled
- 数值显示可选半径或直径 Optionally display of the values radius or diameter

交货内容 Scope of delivery

- 墙壁支架 Wall holder
- 操作说明书 Operating instructions
- 230 V连接线 Connection cable 230 V

DPA 2000/DPA 2000 S 测量块

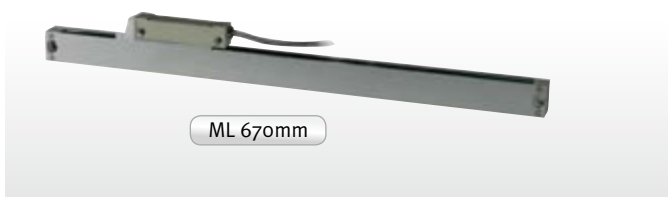
Measuring blocks for DPA 2000/DPA 2000 S

- 随机附路径测量系统 (带高精度光栅测量杆) Fully enclosed path measuring systems with highly precise glass measuring rod
- 精度 5 μm Accuracy 5 μm
- 通过安装支架联轴器连接和导向的微型滚珠轴承来扫描行程 Scanning carriage with miniature ball bearings guided and connected via a coupling in the mounting stand
- 通过橡胶密封条防尘, 防水, 防碎屑 Protected against dust, chips and splash water by a rubber sealing lip
- 柔性金属保护管可防护3到4米长的接线 (从ML 620开始是4米) Flexible metal protection hose protects a 3 of 4 m long connection cable (from ML 620 on - 4 m)
- 无需装配 Without assembly

ML 80 mm/ML 100 mm/ML 120 mm/ML 170 mm/ML 220 mm/ML 270 mm/ML 320 mm/ ML 370 mm/ML 420 mm/ML 470 mm/ML 520 mm/ML 570 mm/ML 620 mm/ML 670 mm/ML 720 mm/ML 770 mm/ML 820 mm/ML 870 mm/ML 920 mm/ML 970 mm/ML 1020 mm/ML 1250 mm/ML 1400 mm/ML 1520 mm/ML 1670 mm/ML 1940 mm/ML 2010 mm/ML 3000 mm

工厂装配 Factory assembly ML

- 根据测量块 Per measuring block



DIGITAL POSITION DISPLAY

数显表 DPA2000S



DPA2000S



用于机床和驱动器行程和定位精度测量
for precise measuring of the travels and positioning
on the machine and drives

- 铣床版和车床版可切换, 光栅测量杆和/或磁栅系统可使用自由选择输入信号 (正弦/矩形)
- Switchable for milling machines and lathes, freely selectable input signal (sine/rectangle) to be used e.g. for glass measuring rods and/or magnetic tape systems
- 床子上没有磁测量杆的足够空间但是可以安装磁栅尺
- Magnetic tape to be mounted on machines on which there is not sufficient space for magnetic measuring rods
- 供货内容中包含可探测主轴转速的探头
- Sensors to capture the spindle speed are included in the delivery
- 高工作精度 High working accuracy
- 大量缩减生产加工时间
- Considerable reduction of the manufacturing times
- 降低故障率 Error rate is reduced
- 易操作 Easy-to-operate
- 键盘分布清晰 Clearly-arranged keyboard
- 薄膜键盘, 完全保护, 防水溅, 防眩目
- Splash water protected, closed, glare-free membrane keyboard
- 高质量铝壳 High quality aluminium housing
- 数显: X, Y/Z, Z三轴带八位LED数显 (符号是第一个数字)
- Display: X, Y/Z, Z axis with 8-digit LED display each (the sign is the first digit)
- 每把刀三次评估测量输入 (带七次修正记忆)
- Three evaluable measuring inputs with seven correction memories for tools each
- 接电 Electrical connection 230 V ~50 Hz
- 尺寸 Dimensions L x W x H: 280 x 70 x 185 mm
- 重量 Weight: 2.6 kg

磁栅 Magnetic tape MB 100

- 带钢制保护条 With steel protecting strip

激活读数头 Reading head activated

- 用于速度探头 for magnetic tape

穿孔盘 Perforated disc



可能的功能 Possible functions

- 计算器 Calculator
- 速度显示 Speed display
- 联轴(总和 Z) Axis coupling (sum Z)
- Sub D插座 Sub D plugs sockets
- 绝对/增量操作 Absolute/incremental operation
- 公英制螺纹转换 Conversion inch/metric thread
- 节距计算 (链条尺寸) Pitch circle calculator (chain dimension)
- 节距坐标 Coordinates in the circle (pitch circle)
- 节距孔 Holes in the circle (pitch circle)
- 测量值可切换半径或直径 Measured values radius/diameter can be switched over
- 调零/数据预设 Zeroing/data pre-setting
- 自诊断 Self-diagnosis
- 参考点 Reference point
- 线性故障纠正 Linear error correction
- 7把刀记忆 7 tool memories

交货内容 Scope of delivery

- 速度探头 Speed sensor
- 墙壁支架 Wall holder
- 操作说明书 Operating instructions
- 230 V连接线 Connection cable 230 V



MB 100



激活读数头 Reading head activated

DIGITAL POSITION DISPLAY

数显表 DPA21/DPA22

多功能三轴数显表 (带速度显示), 高档技术, 持久工业品质

**The versatilely usable three-axis digital positioning display with speed display.
High-quality technique and durable industrial quality.**



DPA21



DPA22

- DPA 21 LED 显示屏 DPA 21 (LED display)
- DPA 22 LCD 显示屏 DPA 22 (LCD display)
- 用户友好界面的薄膜键盘, 防水, 防眩目
- User friendly membrane key pad, water protected, concluded and glare free
- 铣床版和车床版可切换, 光栅测量杆和/或磁栅系统可使用自由选择输入信号 (正弦/矩形) Switchable for milling machines and lathes, freely selectable input signal (sine/rectangle) to be used e.g. for glass measuring rods and/or magnetic tape systems
- 高工作精度 High working accuracy
- 大量缩减生产加工时间
- Considerable reduction of the manufacturing times
- 降低故障率 Error rate is reduced
- X, Y/Z0, Z 三轴带八位LED数显
- X, Y/Z0, Z axis with 8-digit display each
- 供货内容中包含可探测主轴转速的探头 Sensors to capture the spindle speed are included in the delivery
- 循环程序图形输入(DPA22)
- Graphic input for cycle programming (DPA22)
- 每把刀三次评估测量输入 (带七次修正记忆)
- Three evaluable measuring inputs with seven correction memories for tools each
- 尺寸 Dimensions L x W x H: 230 x 80 x 260 mm;
- 重量 Weight 2 kg

可能的功能 Possible functions

- 计算器, 速度显示, 联轴(总和 Z), Sub D 插座, 绝对/增量操作, 公英制螺纹转换, 节距计算 (链条尺寸), 节距坐标, 节距孔, 测量值可切换半径或直径, 调零/数据预设, 自诊断, 参考点, 线性故障纠正, 7把刀记忆
- Calculator, speed display, axis coupling (sum Z), Sub D plug sockets, absolute/incremental operation, conversion inch/metric thread, pitch circle calculator (chain dimension), coordinates in the circle (pitch circle), holes in the circle (pitch circle), measured values radius/ diameter can be switched over, zeroing/data pre-setting, selfdiagnosis, reference point, linear error correction, 7 tool magazine

交货内容 Scope of delivery

- 速度探头 Speed sensor
- 固定装置 Fixture
- 电源适配器24V Power supply 24V

磁栅尺 Magnetic tape

- 床子上没有磁测量杆的足够空间但是可以安装磁栅尺
- Magnetic tape to be mounted on machines on which there is not sufficient space for magnetic measuring rods
- 9级插头 9-pole plug
- 长度 Length 1.100 mm
- 长度 Length 2.000 mm

激活读数头 Reading head activated

- 用于磁栅尺 For the magnetic tape

测量块 Measuring blocks

- 随机附路径测量系统 (带高精度光栅测量杆)
- Fully enclosed path measuring systems with highly precise glass measuring rod
- 精度5 μm Accuracy 5 μm
- 通过安装支架联轴器连接和导向的微型滚珠轴承来扫描行程
- Scanning carriage with miniature ball bearings guided and connected via a coupling in the mounting stand
- 通过橡胶密封条防尘, 防水, 防碎屑
- Protected against dust, chips and splash water by a rubber sealing lip
- 柔性金属保护管可防护3到4米长的接线 (从ML 620开始是4米)
- Flexible metal protection hose protects the 3 meters from ML 620 - connection cable with a length of 4 meters
- 无需装配 Without assembly

ML 80 mm/ML 100 mm/ML 120 mm/ML 170 mm/ML 220 mm/ML 270 mm/ML 320 mm/ ML 370 mm/ML 420 mm/ML 470 mm/ML 520 mm/ML 570 mm/ML 620 mm/ML 670 mm/ML 720 mm/ML 770 mm/ML 820 mm/ML 870 mm/ML 920 mm/ML 970 mm/ML 1020 mm/ML 1250 mm/ML 1400 mm/ML 1520 mm/ML 1670 mm/ML 1940 mm/ML 2010 mm/ML 3000 mm

DIGITAL READOUT DISPLAY

数显表 DRO3/DRO4/DRO5



DRO3

DRO3

- “MEM”键：
- 功能一：在正常工作状态用于掉电记忆坐标显示值；
- 功能二：开机时用于进入参数设置状态，在参数设置状态用于确认参数更改。
- The “MEM” key
- Function 1: to show the coordinate values of volatile memory under normal working mode;
- Function 2: to enter the parameter setting mode when starting the DRO and to confirm the modification of parameters under the parameter setting mode.

“INCH/mm” 键：

- 功能一：在正常工作状态用于切换公/英制显示；
- 功能二：在参数设置状态用于选择参数值。
- The “INCH/mm” key
- Function 1: to switch between INCH/mm under normal working mode;
- Function2: to select parameter values under the parameter setting mode.



DRO4

“SEL” 键：

- 功能：用于选择坐标。
- The “SEL” key
- Function: to select coordinate.

“CE” 键：

- 功能：在正常工作状态用于对所选择坐标显示值清零。
- 在正常工作状态用于取消掉电记忆状态。
- The “CE” key
- Function: to clear the displayed values of the selected coordinates under normal working mode.
- To cancel the state of volatile memory.



DRO5

DRO4

- 三路位置显示，一路速度显示
- Three-route position display and one-route speed display
- 传感器类型选择 Type selection of sensor
- 计数分辨率设置功能 Function of counting resolution
- 计数方向设定 Selection of the direction of counting
- 线性误差修正 Linear error compensation
- 公/英制转换 Conversion inch/metric
- 液晶显示状态设置 Setting of LCD display status
- 速度工作方式设置 Setting of speed working mode

DRO5

- 铣床(X - Y - Z)和车床(X, Z, ZO)数码三轴数显
- Digital 3-axes position display for milling machines (X - Y - Z) and lathes (X, Z, ZO)
- 牢固的铝壳 Stable aluminium housing
- 测量位置 To measure positions
- 旋转速度指示 Rotation speed indicator
- 3输入 3 inputs
- 四排LCD显示 Four row LCD display
- 前面编程 Front programming
- 供电设备 Power supply unit

Face clamping disc	Item No
Ø 170 mm for lathe TU 2004V	344 0295
Ø 240 mm for lathe TU 2506	344 1352
Ø 250 mm for lathe TU 2404/TU2406	344 0552
Ø 265 mm for lathe TU 2807	344 1452



Flange	
• for assembly of lathe chucks	
Ø 160 mm Camlock No. 4	344 1512
• for four-jaw lathe chuck Ø 160 mm combined	
Ø 200 mm Camlock No. 4	344 1513
• for four-jaw lathe chuck Ø 200 mm combined	
Ø 200 mm Camlock No. 6	344 4012
• for four-jaw lathe chuck Ø 200 mm combined	
Ø 250 mm Camlock No. 6	344 4013
• for four-jaw lathe chuck Ø 250 mm combined	
Ø 315 mm Camlock No. 8	344 4041
• for three-jaw lathe chuck Ø 315 mm	
• for four-jaw lathe chuck Ø 315 mm	
Ø 325 mm Camlock No. 8	344 4042
• for four-jaw lathe chuck Ø 325 mm combined	

Flange for lathe chucks	
• For assembly of the lathe chuck	
Ø 100 mm	344 0312
• Cylindrical for TU 2004V	
Ø 125 mm	344 1312
• Short taper for TU 2506/TU 2807 for 3-jaw chuck	
Ø 125 mm	344 0511
• Cylindrical for TU 2404/TU 2406/ TU 2304 for 3-jaw chuck	
Ø 125 mm	344 0511
• Cylindrical for TU 2404/TU 2406/ TU 2304 for 4-jaw chuck	
Ø 160 mm	344 1413
• Short taper for TU 2807	
Ø 160 mm	344 1414
• TU 2807 for 4-jaw chuck	



Revolving lathe centre incl. replaceable tips	
• With 7 replaceable lathe centres	
• Body made of hardened and ground tool steel	
• Precision needle roller bearings guarantee high true running accuracy	
MT 2	344 0732
MT 3	344 0733
MT 4	344 0734



Collet chuck	
Including short taper clamping	
ER 16	344 0281
• Cylindrical for TU 1503V	
ER 25	344 1305
• Short taper for TU 2506 /TU 2807	
ER 25	344 0305
• Cylindrical for TU 2004V	
ER 25	344 0505
• Cylindrical for TU 2404/TU 2406/ TU 2304	
ER 32	344 1306
• Short taper for TU 2506 /TU 2807	
ER 32	344 0506
• Cylindrical for TU 2404/TU2406	



Collet chuck	
• True running accuracy 0,02 mm	
5C - D1-4	344 1554
5C - D1-6	344 1556
5C - D1-8	344 1558



RÖHM revolving lathe centre	
MT 2	344 1003
MT 3	344 1503
MT 4	344 4003

Revolving lathe centre	
Max. out-of-round	0.006 mm
MT 1	344 0701
• Speed max. 5'000 min ⁻¹ ; Radial load max. 320 N	
MT 2	344 0702
• Speed max. 5'000 min ⁻¹ ; Radial load max. 400 N	
MT 3	344 0703
• Speed max. 4'500 min ⁻¹ ; Radial load max. 800 N	
MT 4	344 0704
• Speed max. 3'500 min ⁻¹ ; Radial load max. 1'250 N	
MT 5	344 0705
• Speed max. 3'000 min ⁻¹ ; Radial load max. 1'500 N	
MT 6	344 0706
• Speed max. 2'500 min ⁻¹ ; Radial load max. 1'800 N	



Position limit stop	Item No	
with fine adjustment	344 1524	
• for lathes D 320 - D360		
with fine adjustment	344 4022	
• for lathe D 460		
with fine adjustment	344 4023	
• for lathe D 560		



Kit of titanium coated twist drills	305 1010	
• Titanium coating		
• Higher service life and durability		
• Higher hardness than hard metal		
• More rapid working results		
• Low wear		
• 25 pcs; Sizes 1 - 13 mm		
• Metal box		

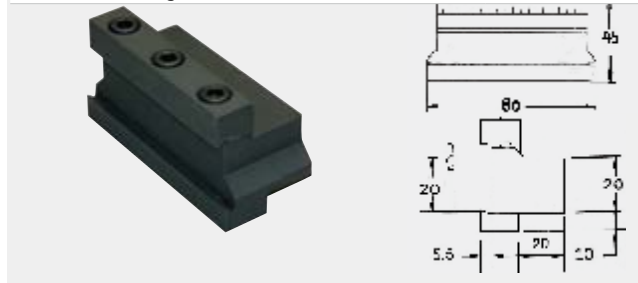


Twist drill HSS incl. Morse taper		
• 9- pieces; sizes 14,5/16/18/20/22/24/26/28/30 mm		
• Long service life		
• Good chip removal		
• Right hand cutting		

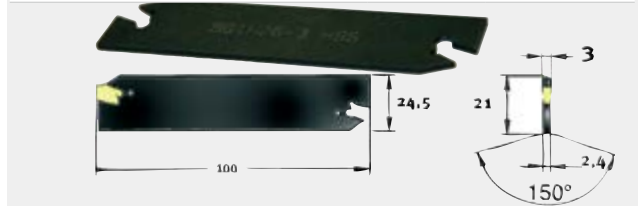
MT 2	305 1002	
MT 3	305 1003	



Cutting insert block CB1	344 0680	
• for cutting chisel CH1		
• Without SWH from lathe D 420 on		
• With SWH from lathe D 320 on		
• Complete clamping block		
• Without cutting chisel		



Cutting chisel CH1	344 0685	
• up to 75 mm		
• Including cutting inserts		



Spare cutting inserts for CH1	344 0686	
• 10 pcs		

Universal coolant equipment		
• Delivery height max. 2.5 m		
• Delivery volume 8 l/min		
• Tank capacity 11 l		
• Tank size L x W x H: 370 x 245 x 170 mm		
• Complete including tank, flexible tube, hose		
• With switch-plug combination		
• Magnetic anchoring		
• For self-assembly		

230 V / 1 Ph	335 2002	
400 V / 3 Ph	335 2001	



Direct-quick action drill chuck		
• True running accuracy of better than 0.05 mm		
0 - 8 mm with direct tool holder MT 2	305 0582	
0 - 13 mm with direct tool holder MT 3	305 0585	
0 - 13 mm with direct tool holder MT 4	305 0587	



Vibration damping machine foot	Item No
• Machines and devices can be installed without anchoring and exactly levelled per height adjustment	
• Machine capability is improved by efficient impact and vibration damping	
SE 1	338 1012
SE 2	338 1016
SE 3	338 1018

Charge	SE 1	SE 2	SE 3
Milling machines	340 Kg	460 kg	1'600 kg
Sawing/ general machines	570 kg	1'460 kg	3'500 kg
Thread	M12	M 16	M 20
Base Ø/Base height	120/32	160/35	185/39



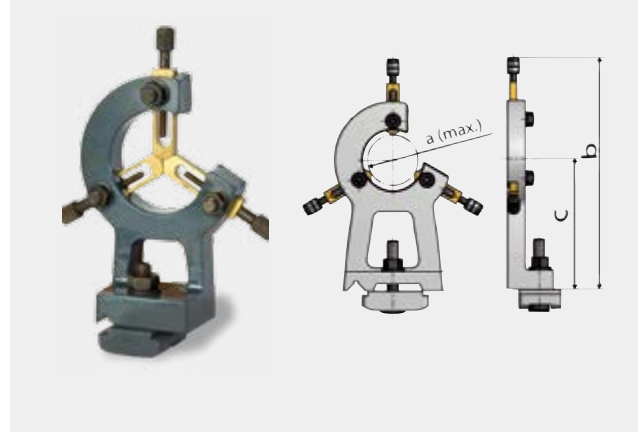
Collet kit SPZ - 5C	344 1509
• For universal collet attachment	
• Standard 385 E	
• 17-pcs; clamping range 3 - 25 mm	



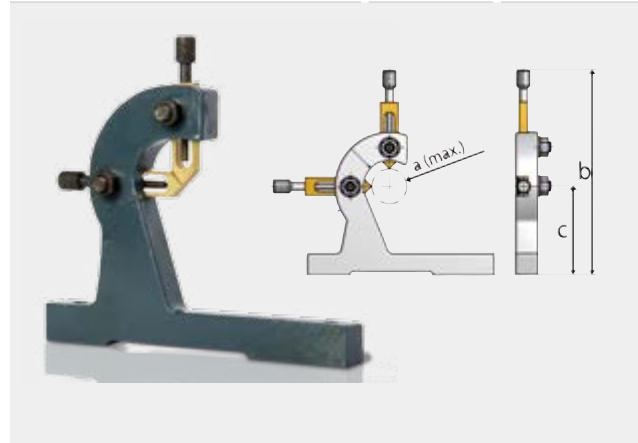
Collet kit	
• DIN 6499	
ER 16	344 0282
• 12-pcs; clamping range \varnothing 1 - 12 mm	
ER 25	344 1109
15-pcs; clamping range \varnothing 1 - 16 mm	
ER 32	344 1122
18-pcs; clamping range \varnothing 3 - 20 mm	



Steady rest	Item No
for TU 1503V	344 0211
for TU 2004V	344 0231
for TU 2304 / TU 2304V	344 0361
for TU 2506 / TU 2404 / TU 2406	344 1315
• a = \varnothing 50 mm; b = 245 mm; c = 125 mm	
for TU 2807	344 1415
• a = \varnothing 55 mm; b = 250 mm; c = 140 mm	



Follow rest	
for TU 1503V	344 0210
for TU 2004V	344 0230
for TU 2304 / TU 2304V	344 0360
for TU 2506 / TU 2404 / TU 2406	344 1310
a = \varnothing 34 mm; b = 220 mm; c = 107 mm	
for TU 2807	344 1410
a = \varnothing 56 mm; b = 250 mm; c = 130 mm	



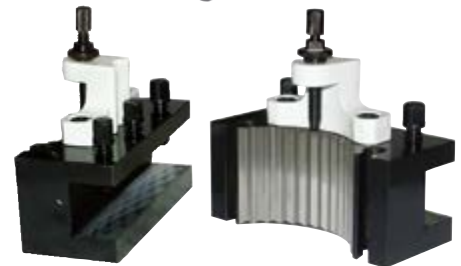
Universal collet attachment 5C	
for lathes D320 - D360	344 1506
for lathe D420	344 1507
for lathe D460	344 4006



Quick action tool holder	Item No	
<ul style="list-style-type: none"> For current listing of the compatibility refer to „Accessories for lathe“ on page 8798 Repeat accuracy 0.01 mm · Angle scale on the tool holder head 40 different angle settings · Height adjustment by means of a knurled screw Tool holder head and tool holder with profile ground tooththing Clamping of tool holder free of play accurately repeatable 		
Quick action tool holder kit SWH AA	338 4311	
<ul style="list-style-type: none"> 1 tool holder head AA 3 tool holder 13 x 50 type D for square tools 1 tool holder 13 x 50 type H for round tools . For self-assembly 		
Spare tool holder 12 x 50 type D for square tools	338 4312	
Spare tool holder 12 x 50 type H for round tools	338 4320	
Quick action tool holder kit SWH 1 - A	338 4301	
<ul style="list-style-type: none"> 1 tool holder head A 3 tool holder 20 x 90 type D for square tools 1 tool holder 20 x 90 type H for round tools . For self-assembly 		
Spare tool holder 20 x 90 type D for square tools	338 4302	
Spare tool holder 20 x 85 type H for round tools	338 4321	
Quick action tool holder kit SWH 3 - E	338 4303	
<ul style="list-style-type: none"> 1 tool holder head E 3 tool holder 20 x 100 type D for square tools 1 tool holder 30 x 100 type H for round tools . For self-assembly 		
Spare tool holder 20 x 100 type D for square tools	338 4304	
Spare tool holder 30 x 100 type H for round tools	338 4322	
Quick action tool holder kit SWH 5 - B	338 4305	
<ul style="list-style-type: none"> 1 tool holder head B 3 tool holder 25 x 120 type D for square tools 1 tool holder 30 x 120 type H for round tools . For self-assembly 		
Spare tool holder 25 x 120 type D for square tools	338 4306	
Spare tool holder 32 x 130 type H for round tools	338 4324	
Quick action tool holder kit SWH 7 - C	338 4307	
<ul style="list-style-type: none"> 1 tool holder head C 3 tool holder 32 x 150 type D for square tools 1 tool holder 35 x 150 type H for round tools . For self-assembly 		
Spare tool holder 32 x 150 type D for square tools	338 4308	
Spare tool holder 40 x 160 type H for round tools	338 4326	
Quick action tool holder kit SWH 9 - D	338 4309	
<ul style="list-style-type: none"> 1 tool holder head D 3 tool holder 41 x 180 type D for square tools 1 tool holder 70 x 180 type H for round tools . For self-assembly 		
Spare tool holder 40 x 180 type D for square tools	338 4332	
Spare tool holder 70 x 180 type H for round tools	338 4333	
Workshop assembly and adaptation SWH	900 0400	
<ul style="list-style-type: none"> Only when purchasing a new machine 		

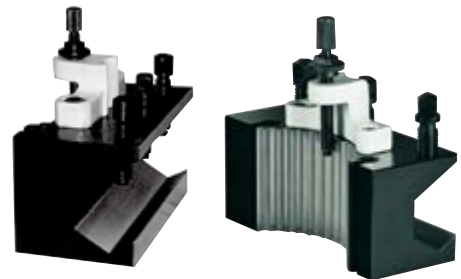


Tool holder head



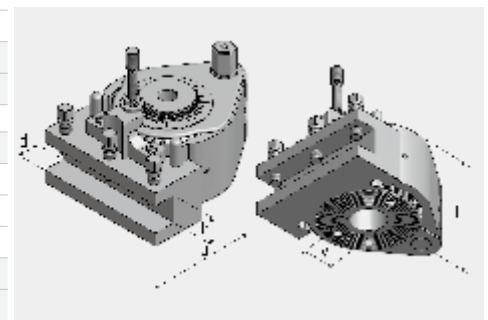
Tool holder type D for square tools 3 pieces

Rear view
Tool holder type D for square tools



Tool holder type H for round tools 1 piece

Rear view
Tool holder type H for round tools



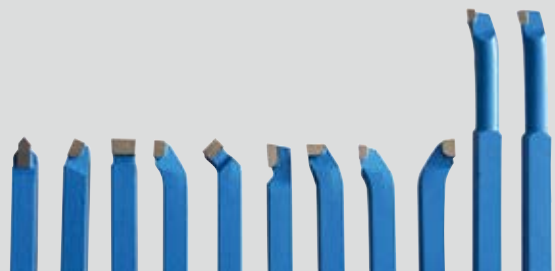
Dimensions
Tool holder head

LATHE

Dimensions tool holder head			AA	A	E	B	C	D
Turning diameter			120 - 220 mm	150 - 300 mm	200 - 400 mm	300 - 500 mm	400 - 700 mm	600 - 1000
Motor lathe max.			1 kW	2.2 kW	4.4 kW	6.6 kW	13 kW	20 kW
Support width for tool	d	mm	10	14	15	20	20/30	28/40
Tool max.	h	mm	12	20	20	25	32	40
Hole standard	v	mm	10.2	20	20	32	40	40
Depth of hole max.		mm	12	31	31	51	70	80
Total width- height	u/t	mm	74/37	106/55	132 / 142 h:68	150 / 155 h:78	202 / 210 h:110	230/242 h:122

Accessory parts for turning		Item No	D 140	TU 2004V	D 210	TU 2506	TU 2404	TU 2807	D 320/TU 3209	D 330	D 360/ TU 3610V	D 420/ TU 4210V	D 460/ TU 4615V	D 560/ TU 5620V	D 660	TU 8030D
SWH	SWH AA	338 4311		●												
	SWH 1 - A	338 4301			●	●	●	●								
	SWH 3 - E	338 4303							●	●	●					
	SWH 5 - B	338 4305										●	●			
	SWH 7 - C	338 4307												●		
	SWH 9 - D	338 4305													●	●
Lathe tool	Lathe tool HM 8 mm	344 1011	●	●	●	●	●	●								
	Lathe tool HM 10 mm	344 1111		●	●	●	●	●								
	Lathe tool HM 12 mm	344 1211			●	●	●	●								
	Lathe tool HM 12 mm	344 1212			●	●	●	●								
	Lathe tool HM 16 mm	344 1511							●	●	●					
	Lathe tool HM 16 mm	344 1216							●	●	●					
	Lathe tool HM 16 mm	344 1610							●	●	●					
	Lathe tool HM 20 mm	344 4011										●	●	●		
	Lathe tool HM 20 mm	344 1617										●	●	●		
	Lathe tool HM 25 mm	344 1623													●	●
	Lathe tool with soldered HM 8 mm	344 1008	●	●	●	●	●	●								
	Lathe tool with soldered HM 10 mm	344 1108		●	●	●	●	●								
	Lathe tool with soldered HM 16 mm	344 1508							●	●	●					
	Internal turning tools	Internal turning tools kit 10 mm	344 1640		●	●	●	●	●							
Internal turning tools kit 12 mm		344 1641			●	●	●	●								

Lathe tool kit 8 mm	344 1008
11-pieces . With soldered HM plates	
Lathe tool kit 10 mm	344 1108
11-pieces . With soldered HM plates	
Lathe tool kit 16 mm	344 1508
11-pieces . With soldered HM plates	



Lathe tool kit **HM 8 mm**



Lathe tool kit HM 8 mm 344 1011

- 7 pieces
- With HM insets
- TiN-coated (1-5)

No	ISO			h1
1	SWGCR	L0810	D05	8 mm
2	SCLCR	L0810	D06	8 mm
3	SDJCR	L0810	D07	8 mm
4	SDNCN	L0810	D07	8 mm
5	SCLCL	L0810	D06	8 mm
6	LW	0810R	L04	8 mm
7	QA	0812R	L03	12 mm

HM- spare inserts

for No	ISO	l	s	r	d	d1	Item No	
1	WCMX050308F	W/80°	5.2	3.35	0.8	6.5	3.15	344 1165
2	CCMT060204	C/80°	6.35	2.6	0.4	6.35	2.7	344 1164
3	DCMT070204	D/55°	7.3	2.53	0.4	6.35	2.7	344 1166
4	DCMT070204	D/55°	7.3	2.53	0.4	6.35	2.7	344 1166
5	CCMT060204	C/80°	6.35	2.6	0.4	6.35	2.7	344 1164
		b	l	fb				
6	Tread cutting	60°	3.0	15.0	3.0	-	344 1162	
7	Cutting off-inserts	-	3.50	12.14	0.5	-	344 1161	

Lathe tool kit **HM 10 mm**



Lathe tool kit HM 10 mm 344 1111

- 7 pieces
- With HM insets
- TiN-coated (8-12)

No	ISO			h1
8	SWGCR	L1010	D05	10 mm
9	SCLCR	L1010	E06	10 mm
10	SDJCR	L1010	E07	10 mm
11	SDNCN	L1010	E07	10 mm
12	SCLCR	L1010	E06	10 mm
13	LW	1010R	L04	10 mm
14	QA	1012R	L03	12 mm

HM- spare inserts

for No	ISO	l	s	r	d	d1	Item No	
8	WCMX050308F	W/80°	5.2	3.35	0.8	6.5	3.15	344 1165
9	CCMT060204	C/80°	6.35	2.6	0.4	6.35	2.7	344 1164
10	DCMT070204	D/55°	7.3	2.53	0.4	6.35	2.7	344 1166
11	DCMT070204	D/55°	7.3	2.53	0.4	6.35	2.7	344 1166
12	CCMT060204	C/80°	6.35	2.6	0.4	6.35	2.7	344 1164
		b	l	fb				
13	Tread cutting	60°	3.0	15.0	3.0	-	344 1162	
14	Cutting off-inserts	-	3.50	12.14	0.5	-	344 1161	

Lathe tool kit **HM 12 mm**



Lathe tool kit HM 12 mm 344 1211

- 9 pieces
- With HM insets

No	ISO			h1
15	PWKNR	L1012	J06	14 mm
16	PWUNR	L1012	J06	13 mm
17	PSSNR	L1012	J09	13 mm
18	PSSNR	L1215	J09	12 mm
19	PSBNR	L1215	H09	12 mm
20	PWGNR	L1215	H06	12 mm
21	LW	1215R	L06	12 mm
22	QA	1222R	L03	17 mm
23	LN	1215R	L05	12 mm

HM- spare inserts

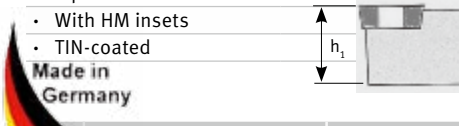
for No	ISO	l	s	r	d	d1	Item No	
15	WAUM06T300FL	W/80°	6.2	3.55	0.10	10.35	4.10	344 1270
16	WAUM06T300FL	W/80°	6.2	3.55	0.10	10.35	4.10	344 1270
17	SAUM09T300FL	S/90°	5.4	3.55	0.10	10.00	4.10	344 1269
18	SAUM09T300F	S/90°	10.0	3.55	0.10	10.00	5.16	344 1267
19	SAUM09T300F	S/90°	10.0	3.55	0.10	10.00	5.16	344 1267
20	WAUM06T300FR	W/80°	6.20	3.55	0.10	10.35	4.10	344 1268
		b	l	fb				
21	Tread cutting	60°	4.70	20.00	5.00	-	344 1263	
22	Cutting off-inserts	-	4.00	14.00	0.50	-	344 1261	
23	Tread cutting	60°	3.0	15.0	3.0	-	344 1162	

Lathe tool kit HM 12 mm

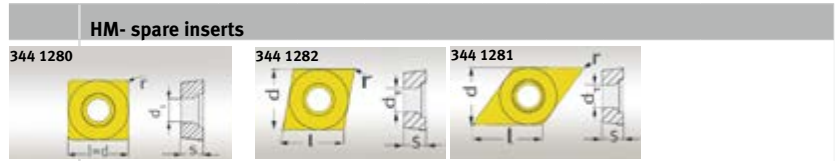


Lathe tool kit HM 12mm 344 1212

- 5 pieces
- With HM inserts
- TiN-coated



No	ISO			h1
24	SSSC	R1212	J09	12 mm
25	SCLC	R1212	J09	12 mm
26	SDNC	N1212	J09	12 mm
27	SDJC	R1212	J11	12 mm
28	SDJC	L1212	J11	12 mm



for No	ISO		l	s	r	d	d1	Item No
24	SCMT09T304	S/90°	9.52	4.10	0.40	9.52	4.35	344 1280
25	CCMT09T304	C/80°	9.70	3.97	0.40	9.53	4.40	344 1282
26	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281
27	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281
28	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281

Single lathe tool 12 mm								
24	SSSC R1212J09				344 1220			
25	SCLC R1212J09				344 1221			
26	SDNC N1212J09				344 1222			
27	SDJC R1212J11				344 1223			
28	SDJC L1212J11				344 1224			



Lathe tool kit HM 16 mm

Lathe tool kit HM 16 mm 344 1511

- 7 pieces
- With HM inserts
- TiN-coated (29-33)

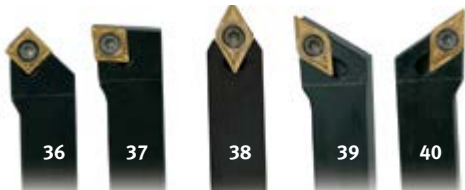


No	ISO			h1
29	SCLCR	1616	K06	16 mm
30	SSRCR	1616	H09	16 mm
31	SSRCR	1616	H06	16 mm
32	SCGCR	1616	H06	16 mm
33	SCGCL	1616	H06	16 mm
34	LW	1616R	R04	16 mm
35	QA	1622R	L03	22 mm



No	ISO		l	s	r	d	d1	Item No
29	CCMT060204	C/80°	6.35	2.60	0.40	6.35	2.70	344 1164
30	SCMT09T304	S/90°	9.52	4.10	0.40	9.52	4.35	344 1571
31	SCMT09T304	S/90°	9.52	4.10	0.40	9.52	4.35	344 1571
32	CCMT09T304	C/80°	9.50	4.00	0.40	9.50	4.40	344 1572
33	CCMT09T304	C/80°	9.50	4.00	0.40	9.50	4.40	344 1572
34	Tread cutting	60°	4.70	20.00	5.00	-	-	344 1263
35	Cutting off-inserts	-	4.00	14.00	0.50	-	-	344 1261

Lathe tool kit HM 16 mm

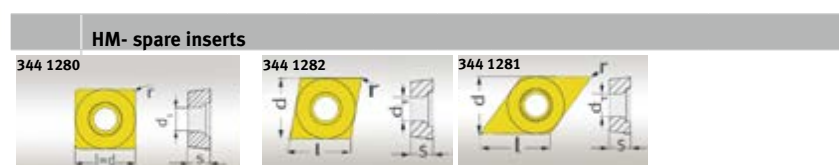


Lathe tool kit HM 16 mm 344 1216

- 5 pieces
- With HM inserts
- TiN-coated



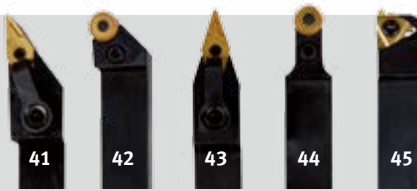
No	ISO			h1
36	SSSC	R1616	J09	16 mm
37	SCLC	R1616	J09	16 mm
38	SDNC	N1616	J09	16 mm
39	SDJC	R1616	J11	16 mm
40	SDJC	L1616	J11	16 mm



for No	ISO		l	s	r	d	d1	Item No
36	SCMT09T304	S/90°	9.52	4.10	0.40	9.52	4.35	344 1280
37	CCMT09T30	C/80°	9.70	3.97	0.40	9.53	4.40	344 1282
38	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281
39	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281
40	DCMT11T304	C/55°	11.60	3.97	0.40	9.53	4.40	344 1281

Single lathe tool 16 mm								
36	SSSC R1616J09				344 1230			
37	SCLC R1616J09				344 1231			
38	SDNC N1616J09				344 1232			
39	SDJC R1616J11				344 1233			
40	SDJC L1616J11				344 1234			

NEW



Lathe tool kit HM 16 mm

Lathe tool kit HM 16 mm 344 1610

- 5 pieces
- With HM insets
- TIN-coated
- Aluminium case



No	ISO		h1
41	MVJNR	1616 H16	16 mm
42	MVVNN	1616 H16	16 mm
43	PRANN	1616 H10	16 mm
44	PRGNR	1616 H10	16 mm
45	SER	1616 H16	16 mm

HM- spare inserts (each 5 pcs.)



for No	ISO	l	s	r	d	d1	Item No
41	VNMG 160408 V/35°	15	5.1	0.4	9.5	3.8	344 1701
42	RNMM1003MO R	10	3.97	-	10	3.6	344 1702
43	VNMG 160408 V/35°	15	5.1	0.4	9.5	3.8	344 1701
44	RNMM1003MO R	10	3.97	-	10	3.6	344 1702
45	16ER AG60 60° AR	16	3.65	-	9.5	3.95	344 1703

Lathe tool kit HM 20 mm

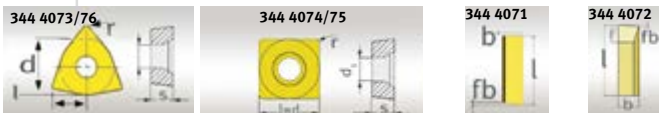
Lathe tool kit HM 20 mm 344 4011

- 7 pieces
- With HM insets



No	ISO		h1
46	PWUNR	L1518 M08	16 mm
47	PSSNR	L1518 M12	16 mm
48	PSSNR	L2020 12	22 mm
49	PWGN	R2020 08	22 mm
50	PSRNR	L2020 12	22 mm
51	LW	2020 R08	22 mm
52	QA	2027R L04	22 mm

HM- spare inserts (each 5 pcs.)



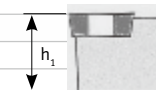
for No	ISO	l	s	r	d	d1	Item No
46	WNUM060400FL W/80°	8.60	4.50	0.10	13.35	5.16	344 4073
47	SAUM120400FL S/90°	13.10	4.50	0.10	13.10	5.16	344 4074
48	SAUM120404F S/90°	13.10	4.50	0.10	13.10	5.16	344 4075
49	WNUM060400FR W/80°	8.60	4.50	0.10	13.35	5.19	344 4076
50	SAUM120404F S/90°	13.10	4.50	0.10	13.10	5.16	344 4075
51	Tread cutting	60°	7.50	25.00	0.50	-	344 4072
52	Cutting off-inserts	-	4.00	16.00	1.00	-	344 4071

LATHE

Lathe tool kit HM 20 mm

Lathe tool kit HM 20 mm 344 1617

- 5 pieces
- With HM insets
- TIN-coated
- Aluminium case



No	ISO		h1
53	SER	2020 K16	20 mm
54	PRGNR	2020 K10	20 mm
55	PRANN	2020 K10	20 mm
56	MVVNN	2020 K16	20 mm
57	MVJNR	2020 K16	20 mm



NEW

HM- spare inserts (each 5 pcs.)



for No	ISO	l	s	r	d	d1	Item No
53	16ER AG60 60° AR	16	3.65	-	9.5	3.95	344 1703
54	RNMM1003MO R	10	3.97	-	10	3.6	344 1702
55	RNMM1003MO R	10	3.97	-	10	3.6	344 1702
56	VNMG 160408 V/35°	15	5.1	0.4	9.5	3.8	344 1701
57	VNMG 160408 V/35°	15	5.1	0.4	9.5	3.8	344 1701



NEW

Lathe tool kit HM 25 mm

Lathe tool kit HM 25 mm 344 1623

- 5 pieces
- With HM inserts
- TIN-coated
- Aluminium case

No	ISO		h1
58	MVVNN	2525 M16	25 mm
59	SER	2525 M16	25 mm
60	PRGNR	2525 M12	25 mm
61	PRANN	2525 M16	25 mm
62	MVJNR	2525 M16	25 mm

HM- spare inserts (each 5 pcs.)

	ISO		l	s	r	d	d1	Item No
58	VNMG 160408	V/35°	15	5.1	0.4	9.5	3.8	344 1701
59	16ER AG60	60° AR	16	3.65	-	9.5	3.95	344 1703
60	RNMG1204MO	R	12	4.75	-	12	5.1	344 1705
61	RNMG1605MO	R	16	5.4	-	16	6.3	344 1704
62	VNMG 160408	V/35°	15	5.1	0.4	9.5	3.8	344 1701

Internal turning tools kit 10 mm 344 1640

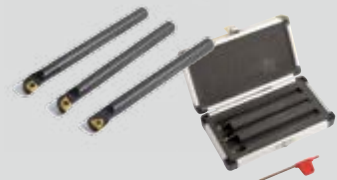
- 3 pieces
- With HM inserts
- TIN-coated
- Aluminium case

No	ISO	
63	S10K	SCFCR 06
64	S10K	SDQCR 07
65	S10K	STFCR 11

Internal turning tool



NEW



Internal turning tools kit 12 mm 344 1641

- 3 pieces
- With HM inserts
- TIN-coated
- Aluminium case

No	ISO	
63	S12M	SCFCR 06
64	S12M	SDQCR 07
65	S12M	STFCR 11

HM- spare inserts (each 5 pcs.)

for No	ISO		l	s	r	d	d1	Item No
63	CCMT060204	C/80°	6.35	2.60	0.40	6.35	2.70	344 1164
64	TCMT110204	T/60°	10.84	2.53	0.40	9.1	2.70	344 1163
65	DCMT070204	D/55°	7.30	2.53	0.40	6.35	2.70	344 1166



Internal turning tools kit 344 1650

- 5-pieces (8/10/12/16/20 mm)
- With HM inserts
- TIN-coated
- Aluminium case

No	ISO		d
66	S10K	SIR 0008 H08	8 mm
67	S10K	SIR 0010 K11	10 mm
68	S10K	SIR 0012 M11	12 mm
69	S10K	SIR 0016 P16	16 mm
70	S10K	SIR 0020 S16	20 mm

Internal turning tool



NEW



HM- spare inserts (each 5 pcs.)

	ISO		l	s	d	d1	Max.	Item No
66	08IR A60	60° IR	8	2,22	4,76	2,5	M10	344 1725
67	11IR A60	60° IR	11	3,22	6,35	3,0	M12	344 1726
68	11IR A60	60° IR	11	3,22	6,35	3,0	M12	344 1726
69	16IR A60	60° IR	16	3,65	9,5	3,95	M16	344 1727
70	16IR A60	60° IR	16	3,65	9,5	3,95	M16	344 1727

OPTIMUM Three-jaw lathe chuck centrally clamping

• **Lathe chuck made of cast**

- With cylindrical centre mount according to DIN 6350
- Including chuck key
- True running accuracy of better than 0.05 mm
- Flange for lathe chucks required

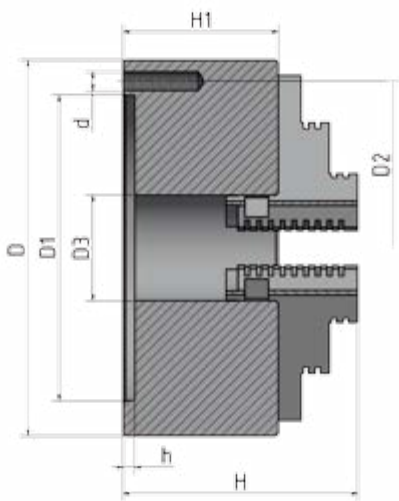
ø 80 mm	344 0287	
Non-rigid block jaw kit	344 2902	
ø 100 mm	344 2710	
Non-rigid block jaw kit	344 2904	
ø 125 mm	344 2712	
Non-rigid block jaw kit	344 2906	
ø 160 mm	344 2716	
Non-rigid block jaw kit	344 2908	

OPTIMUM Three-jaw lathe chuck Camlock centrally clamping

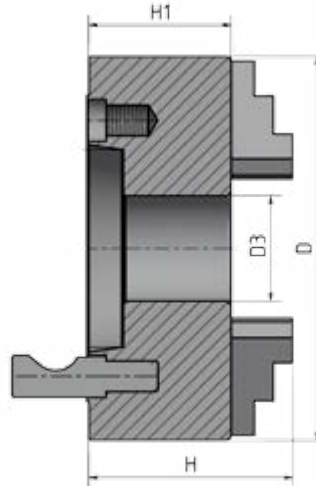
• **Lathe chuck made of cast**

- Camlock direct tool holder
- Including chuck key
- True running accuracy of better than 0.05 mm

ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2760	
Non-rigid block jaw kit	344 2908	
ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2762	
Non-rigid block jaw kit	344 2910	
ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2763	
Non-rigid block jaw kit	344 2910	
ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2765	
Non-rigid block jaw kit	344 2912	
ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2768	
Non-rigid block jaw kit	344 2916	



Lathe chuck with cylindric tool holder



Camlock lathe chuck



Non-rigid block jaw kit

Chuck	Camlock	Item No	D	D1	D2	D3	d	H	H1	h	Speed
Three-jaw chuck centrally clamping											
ø 80 mm	-	344 0287	80	55	66	16	M6	66	50	3.5	4'000
ø 100 mm	-	344 2710	100	72	84	22	M8	74.5	55	3.5	3'500
ø 125 mm	-	344 2712	125	95	108	30	M8	84	58	4	3'000
ø 160 mm	-	344 2716	160	130	142	40	M8	95	65	5	2'150

Chuck	Camlock	Item No	D	D3	H	H1	Speed
Three-jaw chuck Camlock centrally clamping							
ø 160 mm	No. 4	344 2760	160	40	100	70	2'150
ø 200 mm	No. 4	344 2762	200	50	120	86	2'000
ø 200 mm	No. 6	344 2763	200	50	128	86	2'000
ø 250 mm	No. 6	344 2765	250	70	140	98	1'600
ø 315 mm	No. 8	344 2768	315	105	180	103.5	1'200

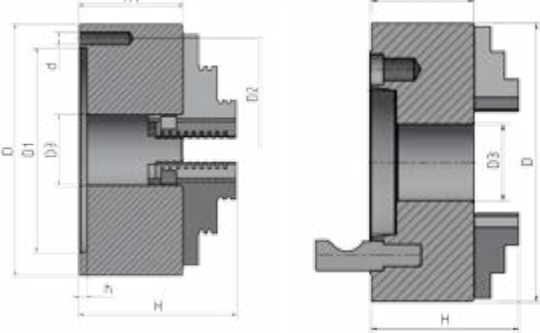
OPTIMUM Four-jaw lathe chuck individually and centrally clamping

• **Lathe chuck made of cast**

- With cylindrical centre mount according to DIN 6350
- Including chuck key
- True running accuracy of better than 0.05 mm
- Flange for lathe chucks required

centric clamping	
ø 80 mm	344 2808
Non-rigid block jaw kit 1 piece	344 2920
ø 100 mm	344 2810
Non-rigid block jaw kit 1 piece	344 2922
ø 125 mm	344 2812
Non-rigid block jaw kit 1 piece	344 2924
ø 160 mm	344 2816
Non-rigid block jaw kit 1 piece	344 2926

Four jaw lathe chuck individually clamping	
ø 80 mm	344 0286
ø 100 mm	344 2872
ø 125 mm	344 2874



Lathe chuck with cylindric tool holder

Camlock lathe chuck

OPTIMUM Four-jaw lathe chuck Camlock centrally clamping

• **Lathe chuck made of cast**

- Camlock direct tool holder
- Including chuck key
- True running accuracy of better than 0.05 mm

ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2840
Non-rigid block jaw kit 1 piece	344 2926
ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2844
Non-rigid block jaw kit 1 piece	344 2928
ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2846
Non-rigid block jaw kit 1 piece	344 2928
ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2850
Non-rigid block jaw kit 1 piece	344 2930
ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2854
Non-rigid block jaw kit 1 piece	344 2932

OPTIMUM Four-jaw lathe chuck Camlock individually clamping	
ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2878
ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2884
ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2888
ø 400 mm Camlock DIN ISO 702-2 No. 8	344 2890



Non-rigid block jaw kit

Chuck	Camlock	Item No	D	D1	D2	D3	d	H	H1	h	Speed
Four-jaw chuck centrally clamping											
ø 80 mm	-	344 2808	80	55	66	16	M6	66	50	3.5	4'300
ø 100 mm	-	344 2810	100	72	84	22	M8	74.5	55	3.5	3'400
ø 125 mm	-	344 2812	125	95	108	30	M8	84	58	4	2'750
ø 160 mm	-	344 2816	160	130	142	40	M8	95	65	5	2'150
Four-jaw chuck individually clamping											
ø 80 mm	-	344 0286	80	55	66	22	M6	56	42	3.5	
ø 100 mm	-	344 2872	100	72	84	25	M8	73	54	3.5	
ø 125 mm	-	344 2874	125	95	108	30	M8	78	58	4.5	

Chuck	Camlock	Item No	D	D3	H	H1	Speed
Four-jaw chuck Camlock centrally clamping							
ø 160 mm	No. 4	344 2840	160	40	95	70	2'150
ø 200 mm	No. 4	344 2844	200	55	109	86	1'700
ø 200 mm	No. 6	344 2846	200	65	109	86	1'700
ø 250 mm	No. 6	344 2850	250	70	120	95	1'375
ø 315 mm	No. 8	344 2854	315	100	142.5	106	1'200
Four-jaw chuck Camlock individually clamping							
ø 200 mm	No. 4	344 2878	200	50	110	75	
ø 250 mm	No. 6	344 2884	250	65	117.5	82	
ø 315 mm	No. 8	344 2888	315	95	134	90	
ø 400 mm	No. 8	344 2890	400	125	143	95	

High precision three-jaw lathe chuck

OPTIMUM Three-jaw lathe chuck centrally clamping

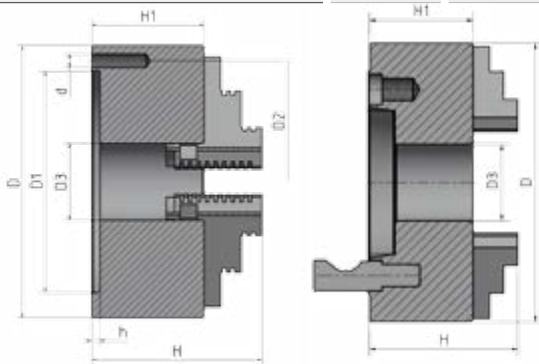
- Lathe chuck made of cast
- With cylindrical centre mount according to DIN 6350
- Including chuck key
- Highest true running accuracy same/better than DIN 6386
- Flange for lathe chucks required

CI3P ø 125 mm	344 2020	
Non-rigid top jaw	344 2522	
Non-rigid block jaw kit 1 piece	344 2521	
CI3P ø 160 mm	344 2025	
Non-rigid block jaw kit 1 piece	344 2541	

OPTIMUM Three-jaw lathe chuck centrally clamping

- Lathe chuck made of steel
- With cylindrical centre mount according to DIN 6350
- Including chuck key
- Highest true running accuracy
- Flange for lathe chucks required

CS3C ø 125 mm	344 2520	
Non-rigid top jaw	344 2522	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2521	



Lathe chuck with cylindric tool holder

Camlock lathe chuck

Chuck	Camlock	Item No	D	D1	D2	D3	d	H	H1	h	Speed
Three-jaw chuck centrally clamping											
CI3P ø 125 mm	-	344 2020	125	95	108	32	3 x M8	76	56	4	3'200
CI3P ø 160 mm	-	344 2025	160	125	140	42	6 x M10	96.5	64.5	4	3'000
CS3C ø 125 mm	-	344 2520	125	95	108	32	3 x M8	76	56	4	4'800

Chuck	Camlock	Item No	D	D3	H	H1	Speed
Three-jaw chuck Camlock centrally clamping							
CI3P ø 160 mm	No. 4	344 2040	160	42	125	81.5	3'000
CI3P ø 200 mm	No. 4	344 2045	200	55	138	91	2'500
CI3P ø 200 mm	No. 6	344 2050	200	55	138	91	2'500
CI3P ø 250 mm	No. 6	344 2055	250	76	157.5	103.5	2'000
CI3P ø 315 mm	No. 8	344 2065	315	105	181	117.7	1'500
CS3C ø 160 mm	No. 4	344 2540	160	42	111.5	68	4'500
CS3C ø 200 mm	No. 4	344 2545	200	55	125	78	4'000
CS3C ø 200 mm	No. 6	344 2550	200	55	125	78	4'000
CS3C ø 250 mm	No. 6	344 2555	250	76	143	89	3'500
CS3C ø 250 mm	No. 8	344 2560	250	76	143	89	3'500
CS3C ø 315 mm	No. 8	344 2565	315	103	159.5	96.2	2'800
CS3C ø 400 mm	No. 8	344 2575	400	136	181	108	2'000



Non-rigid block jaw kit

High precision CAMLOCK three-jaw lathe chuck

OPTIMUM Three-jaw lathe chuck Camlock centrally clamping

- Lathe chuck made of cast
- Camlock direct tool holder DIN 55029
- Including chuck key

CI3P ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2040	
Non-rigid block jaw kit 1 piece	344 2541	
CI3P ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2045	
Non-rigid block jaw kit 1 piece	344 2551	
CI3P ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2050	
Non-rigid block jaw kit 1 piece	344 2551	
CI3P ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2055	
Non-rigid block jaw kit 1 piece	344 2561	
CI3P ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2065	
Non-rigid block jaw kit 1 piece	344 2566	

OPTIMUM Three-jaw lathe chuck Camlock centrally clamping

- Lathe chuck made of steel
- Camlock direct tool holder DIN 55029
- Including chuck key
- Highest true running accuracy

CS3C ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2540	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2542	
CS3C ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2545	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2552	
CS3C ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2550	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2552	
CS3C ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2555	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2562	
CS3C ø 250 mm Camlock DIN ISO 702-2 No. 8	344 2560	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2562	
CS3C ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2565	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2567	
CS3C ø 400 mm Camlock DIN ISO 702-2 No. 8	344 2575	
Non-rigid top jaw	344 2577	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2576	

High precision four-jaw lathe chuck

OPTIMUM Four-jaw lathe chuck centrally clamping

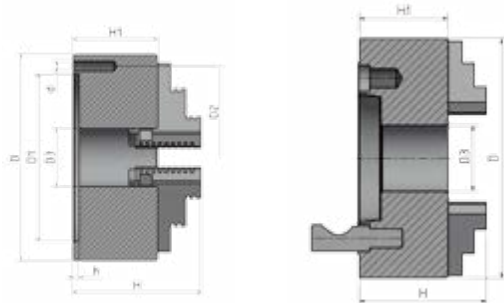
- Lathe chuck made of cast
- With cylindrical centre mount according to DIN 6350
- Including chuck key
- Highest true running accuracy same/better than DIN 6386
- Flange for lathe chucks required

CI4P ø 125 mm	344 2120	
Non-rigid top jaw	344 2622	
Non-rigid block jaw kit 1 piece	344 2621	
CI4P ø 160 mm	344 2125	
Non-rigid block jaw kit 1 piece	344 2641	

OPTIMUM Four-jaw lathe chuck centrally clamping

- Lathe chuck made of steel
- With cylindrical centre mount according to DIN 6350
- Including chuck key
- Highest true running accuracy
- Flange for lathe chucks required

CS4C ø 125 mm	344 2620	
Non-rigid top jaw	344 2622	
Non-rigid block jaw kit 1 piece	344 2621	



Lathe chuck with cylindric tool holder

Camlock lathe chuck

High precision CAMLOCK four-jaw lathe chuck

OPTIMUM Four-jaw lathe chuck Camlock centrally clamping

- Lathe chuck made of cast
- Camlock direct tool holder
- Including chuck key

CI4P ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2140	
Non-rigid block jaw kit 1 piece	344 2641	
CI4P ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2145	
Non-rigid block jaw kit 1 piece	344 2651	
CI4P ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2150	
Non-rigid block jaw kit 1 piece	344 2651	
CI4P ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2155	
Non-rigid block jaw kit 1 piece	344 2661	
CI4P ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2165	
Non-rigid block jaw kit 1 piece	344 2666	

OPTIMUM Four-jaw lathe chuck Camlock centrally clamping

- Lathe chuck made of steel
- Camlock direct tool holder
- Including chuck key
- Highest true running accuracy

CS4C ø 160 mm Camlock DIN ISO 702-2 No. 4	344 2640	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2642	
CS4C ø 200 mm Camlock DIN ISO 702-2 No. 4	344 2645	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2652	
CS4C ø 200 mm Camlock DIN ISO 702-2 No. 6	344 2650	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2652	
CS4C ø 250 mm Camlock DIN ISO 702-2 No. 6	344 2655	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2662	
CS4C ø 250 mm Camlock DIN ISO 702-2 No. 8	344 2660	
Non-rigid block jaw kit 1 piece (mounting jaw)	344 2662	
CS4C ø 315 mm Camlock DIN ISO 702-2 No. 8	344 2665	

Chuck	Camlock	Item No	D	D1	D2	D3	d	H	H1	h	Speed
Four-jaw chuck centrally clamping											
CI4P ø 125 mm	-	344 2120	125	95	108	32	3 x M8	76	56	4	3'200
CI4P ø 160 mm	-	344 2125	160	125	140	42	6 x M10	64.5	64.5	4	3'000
CS4C ø 125 mm	-	344 2620	125	95	108	32	3 x M8	56	56	4	4'800

Chuck	Camlock	Item No	D	D3	H	H1	Speed
Four-jaw chuck Camlock centrally clamping							
CI4P ø 160 mm	No. 4	344 2140	160	42	125	81.5	3'000
CI4P ø 200 mm	No. 4	344 2145	200	55	138	91	2'500
CI4P ø 200 mm	No. 6	344 2150	200	55	138	91	2'500
CI4P ø 250 mm	No. 6	344 2155	250	76	157.5	103.5	2'000
CI4P ø 315 mm	No. 8	344 2165	315	105	181	117.7	1'500
CS4C ø 160 mm	No. 4	344 2640	160	42	111.5	68	4'500
CS4C ø 200 mm	No. 4	344 2645	200	55	125	78	4'000
CS4C ø 200 mm	No. 6	344 2650	200	55	125	78	4'000
CS4C ø 250 mm	No. 6	344 2655	250	76	143	89	3'500
CS4C ø 250 mm	No. 8	344 2660	250	76	143	89	3'500
CS4C ø 315 mm	No. 8	344 2665	315	103	159.5	96.2	2'800
CS4C ø 400 mm	No. 8	344 2675	400	136	181	108	2'000



Non-rigid block jaw kit

METAL BAND AND CIRCULAR SAW

S 92G/S 122G..... E2

SP 13V/SQ-V12 E3

S 100G E4

S 150G V..... E5

S 131GH E6

SG5018/SG5018GW E7

SD200G/SD200GV E8

S275N/S275NV E9

S210G..... E10

S 285DGE12

S300DG/S300DG VE13

S 310DG VE14

S 350DG E16

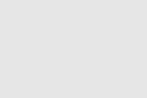
SD 350AV E18

CS275/CS315/CS350 E20

CS 315SA /CS 350SAE22

GB 4228-GB 42100 E24

MSR 4/MSR 7/MSR 10 E26



METAL BAND SAW

金属切断锯 S92G/S122G

优质、高效、高性价比

- 锯条使用 3 滚珠轴承做导向
- 3 级转速档位可带来更宽泛的物料选择
- 切割结束自动停止
- 机身可回转 45 度，能在此角度内进行任意切割
- 角度调节刻度尺清晰可读
- 通过弹簧可调节横向进给
- 锯条涨紧通过手轮可调
- 带工件切割长度定位
- 锯条护罩带保护开关
- 安全开关带低压保护和急停开关功能
- 底座带防滑床脚
- 带锯条起重锁定功能
- S122G 带系列快速夹紧钳
- S122G 包含实用的底托架

Convincing arguments: quality, efficiency and price

- Triple ball bearing guiding of the saw band
- Three speed stages for a broad choice of materials
- Automatic limit switching when finishing the sawing process
- Sawing arc slewable from 0° to 45° thus allowing angular saw cuts
- Scale good read for angle adjustment
- Infeed adjustable by means of a spring
- Saw band tension at the front adjustable via handwheel
- Material limit stop
- Protective switch for the belt cover
- Safety switch with undervoltage release and emergency stop
- Base plate equipped with antiskid feet
- Transport lock
- S 122 G with serial quick action vice
- S 122 G including practical underframe



S 92G



S 122G

可选附件：

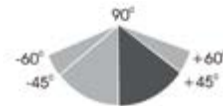
- 锯床支架
- 冷却装置
- 工作灯 JC34A
- 锯条 1300x13x0.65mm 10-14TPI(S92G)
- 锯条 1640x13x0.65mm 10-14TPI(S122G)

Optional Accessories:

- Bandsaw stand
- Coolant system
- Machine lamp
- Saw blade 1300x13x0.65mm 10-14TPI(S92G)
- Saw blade 1640x13x0.65mm 10-14TPI(S122G)

机床技术参数 /Specification

型号	Type	S 92G	S 122G
产品编码	Code No.	5109280	5112280
电器总容量	Electrical connection		
电机功率	Motor power ~50 Hz	400 W 230 V / 1 Ph	550 W 230 V / 1 Ph
	General		
锯条速度	Saw band speed	20/29/50 m/min	21/31/54 m/min
锯条尺寸	Saw band dimensions	1300 x 12.5 x 0.63 mm	1640 x 13 x 0.63 mm
机床尺寸	Dimensions		
长	Length	730 mm	950 mm
宽(不带/带)限停开关	Width without / with material limit stop	270 / 430 mm	550 / 620 mm
高	Height		
锯条下停位置	lower stop position saw bow	450 mm	1060 mm
锯条上停位置	upper stop position saw bow	650 mm	1430 mm
净重	Net weight	34 kg	69 kg
包装尺寸	Packing size	760x330x470 mm	1080x520x470 mm



Cutting range S 92 G

0°		Ø 90 mm		90 x 130 mm
45°		Ø 65 mm		65 x 50 mm

Cutting range S 122 G

0°		Ø 115 mm		100 x 150 mm
45°		Ø 100 mm		85 x 65 mm

Saw band HSS bi-metal M 42 for S 92 G

Number of teeth	Tooth angle
10 - 14 tpi	0°
Saw bands HSS bi-metal M 42 for S 122 G	
10 - 14 tpi	0°
6 - 10 tpi	0°
6 tpi	10°

METAL BAND SAW



金属切断锯 SP 13V / SQ-V12

优质、高效、高性价比

- 使用 2 只滚珠轴承控制锯条导向，性能良好；
- 机身可回转 60 度，可进行各种角度切割；
- 配有标准的高质量双金属锯条；
- 切割结束自动停止；
- 底板配有防滑脚垫
- 特殊齿轮，配有两个大齿轮，经淬火钢制造，带来低振动、低磨损；
- DC 电机低速以及碳刷达到 10 倍以上的耐用性

Convincing arguments: quality, efficiency and price

- Ball bearing mounted 2 point saw band guiding providing outstanding
- Sawing arc slewable from 0° to 60° thus allowing angular saw cuts
- With high-grade bimetallic saw band supplied as standard
- Adjustable material stop for series productions
- Base plate equipped with anti-skid feet
- Low vibration and low wear due to special gearbox with two large toothed wheels made of hardened steel
- DC drive motor with low speed and carbon brushes for an up to 10 times higher durability



机床技术参数 /Specification

型号	Type	SP 13V	SQ-V12
产品编号	Item No	5101300	5101200
机床参数	Machine data		
电源	Electrical connection	230 V / 1 Ph ~50 Hz	230 V ~50 Hz
电机功率	Motor power	800 W	550 W
	General information		
锯条速度	Saw band speed	30 - 80 m/min	38 - 80 m/min
锯条尺寸	Saw band dimension	1440 x 13 x 0.65 mm	1440 x 13 x 0.65 mm
切割角度	Cutting angle	0° - 60°	0° - 60°
尺寸	Dimensions		
长	Length	720 mm	720 mm
宽 (不带/带定位装置行程)	Width without / with materials top	300 / 650 mm	380 / 650 mm
高 (最低/最高)	Height bottom / upper stop position of saw bow	420 / 680 mm	450 / 680 mm
净重	Net weight	19.5 kg	21 kg

METAL BAND SAW

金属切断锯 S100G

轻型金属加工带锯，可回转一定角度切割，完美应用于施工现场

Light-weighted band saws for metal machining with slewable saw arc for mitre cuts, perfect to be used on construction sites.

优质、高效、高性价比

- 快速夹紧钳，用于工件快速夹紧
- 微动开关，用于机身自动限位
- 采用三级可调锯弓压力自动控制锯弓
- 随机配备高质量的双金属锯条
- 锯条起重时锯弓可固定
- 符合人体学的大号把手和较轻的重量便于运到施工现场
- 提供锯条倾斜可调节能节省空间
- 工件切割长度定位可用于批量生产

Convincing arguments: quality, efficiency and price

- Quick-action vice for rapid workpiece clamping
- Micro switch for automatic limit stop
- Automatic lowering of the saw bow by means of 3-stage adjustable saw bow lowering pressure
- With high-grade bimetallic saw band supplied as standard
- Saw bow can be fixed during transportation
- Large, ergonomic handle and little weight allowing easy transportation to the construction site
- Space-saving due to mitre adjustment by means of the saw arc
- Adjustable material stop for series productions



S100G



Machine pedestal

- Stable
- Space saving
- Collapsible
- Easy-to-transport
- Dimensions L x W x H: 500 x 470 x 780 mm

机床技术参数 /Specification

型号	Type	S 100G
货号	Item No	5110080
电器总容量	Electrical connection	
电机功率	Motor power ~50 Hz	370 W 230 V / 1 Ph
	General	
锯条速度	Saw band speed	45 m/min
锯条尺寸	Saw band dimensions	1470 x 13 x 0.65 mm
机床尺寸	Dimensions	
长(钳口张开/钳口关闭)	Length vice open/closed	950 / 850 mm
宽(不带/带)限停开关	Width without / with material limit stop	300 / 660 mm
高(最低/最高)	Height bottom / upper stop position of saw bow	680 / 820 mm
净重/毛重	NW./GW.	23/28 kg
包装尺寸	Packing size	720x380x460 mm

细节展示 Details



自动限位

- 切割结束自动停止
- Automatic limit stop**
- Switching off the saw band drive at the bottom limit of travel



锯条导向

- 滚珠轴承；带来出色的锯条运行及切割
- Saw band guiding**
- Ball bearing; for outstanding belt run and thus optimum cut



安全开关

- 易操作
- 按照IP54，带低压保护和急停开关按钮

Safety switch

- Easy-to-operate
- according to IP 54 with under-voltage protection, emergency-stop push button



Cutting range

0°		Ø 100 mm		100 x 150 mm
45°		Ø 65 mm		100 x 60 mm

Saw bands HSS bi-metal M 42

Number of teeth	Tooth angle
10 - 14 tpi	0°
6 tpi	10°

Saw band kit

- 1 x Saw band HSS bi-metal 10 - 14 TPI; 0°
- 2 x Saw band HSS bi-metal 6 TPI; 10°

METAL BAND SAW

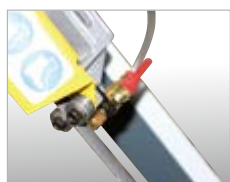
金属切断锯 S 150G V

优质、高效、高性价比

- 操作时噪音低
- 快速夹紧钳，用于工件快速夹紧
- 随机配备高质量的双金属锯条
- 底座和锯弓为灰口铸铁制造
- 通过可回转整个锯弓能在 60 度内任意切割
- 角度调节刻度尺清晰可读
- 机床运行时低噪音、低振动
- 滚珠轴承控制锯条导向

Convincing arguments: quality, efficiency and price

- Silent operation
- Quick holding of the workpiece by a quick-action vice
- With high-grade bimetallic saw band supplied as standard
- Base plate and saw bow made of grey cast iron
- Mitre adjustment to 60° by slewing the whole saw bow
- Scale good read for angle adjustment
- Stable saw bow, for silence and vibration-free running
- Ball-bearing saw band guidance



锯条导向

- 滚珠轴承；
 - 带来出色的锯条运行及切割
- Saw band guiding**
- Ball bearing
 - Outstanding band run and thus optimum cut

- 带工件切割长度定位
- Material limit stop

机身底部构造

- 结实耐用
 - 标准设备
- Machine substructure**
- Robust
 - Standard equipment



按钮“手动控制锯条运行” 开启和关闭锯条的运行

Push button

- "Manual saw band running"
- Switches the running of the saw band on and off

细节展示 Details



控制面板

- 大尺寸
- 急停开关按钮
- 冷却水泵开关
- 电位计
- 电气设备符合CE标准
- EMC过滤器

Control panel

- Largely dimensioned
- Emergency-stop push button
- Switch for coolant pump
- Potentiometer
- CE conformity of the electrical equipment
- EMC filter



无级变速驱动

- 持续调节锯条转速

Vario drive

- continuously adjustable saw band speeds



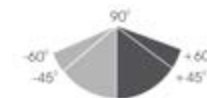
冷却水泵

- 标准设备
- Coolant pump**
- Standard equipment

机床技术参数 / Specification

型号	Type	S 150G V
货号	Item No	5115180
电器总容量	Electrical connection	
电机功率	Motor power ~50 Hz	1.1 kW 230 V / 1 Ph
冷却泵功率	Motor coolant pump	50 W
	General	
锯条速度	Saw band speed	20 - 65 m/min
锯条尺寸	Saw band dimensions	1735 X 12.7 X 0.9 mm
尺寸	Dimensions	
长(钳口张开/钳口关闭)	Length (vice open closed)	1120 / 930 mm
宽(不带/带)限停开关	Width (without / with material limit stop)	510 / 720 mm
高(最低/最高)	Height (bottom / upper stop position of saw bow)	1240 / 1590 mm
净重/毛重	NW./GW.	100/112 kg
包装尺寸	Packing size	1130x570x750 mm

S150G V



Cutting range			
0°		Ø 150 mm	150 x 160 mm
45°		Ø 125 mm	115 x 125 mm
60°		Ø 70 mm	70 x 90 mm

Saw bands HSS bi-metal M 42	
Number of teeth	Tooth angle
6 tpi	10°
6 - 10 tpi	0°
10 - 14 tpi	0°

Saw band kit

- Saw band HSS bi-metal 6 TPI
- Saw band HSS bi-metal 6 - 10 TPI
- Saw band HSS bi-metal 10 - 14 TPI

METAL BAND SAW

金属切断锯 S 131GH

优质、高效、高性价比

- 操作时噪音低
- 采用 3 个滚珠轴承作为锯条的支撑导向
- 三种可切换的锯条转速 22/31/55 m/min
- 快速夹紧钳，用于工件快速夹紧
- 随机配备高质量的双金属锯条
- 底座和锯弓为灰口铸铁制造
- 带工件切割长度定位
- 带急停开关按钮和电机保护开关（符合 CE 电气设备标准）
- 角度调节刻度尺清晰可读

Convincing arguments: quality, efficiency and price

- Silent operation
- Ball-bearing 3-point saw band guidance
- Three switchable saw band speeds 22/31/55 m/min.
- Quick holding of the workpiece by a quick-action vice
- With high-grade bimetallic saw band supplied as standard
- Base plate and saw bow made of grey cast iron
- Material limit stop
- Emergency-Stop push button, motor protection switch (CE conformity of the electrical equipment)
- Scale good read for angle adjustment



锯弓
· 由灰口铸铁制造
· 可从 -45 到 +60 度向两边回转

Saw bow
· made of grey cast iron
· Slewable on both sides from -45° to +60°



液压泵
· 通过液压缸和节流阀无级变速控制切削速度

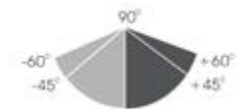
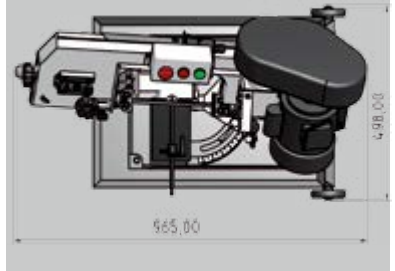
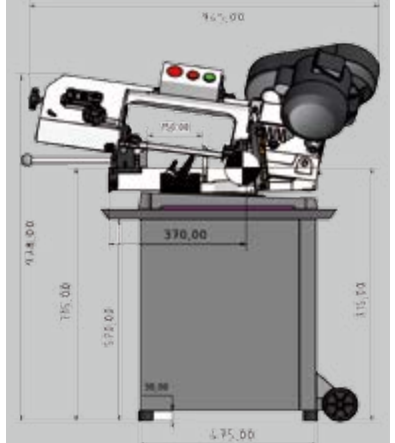
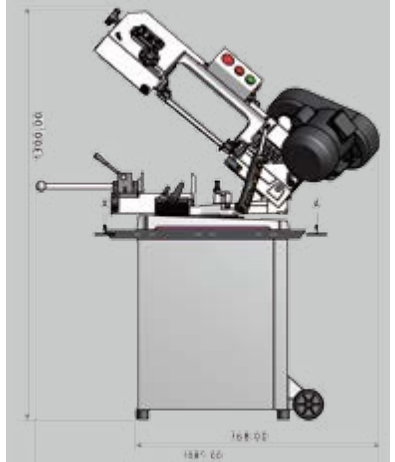
Hydraulic cylinder
· Infinitely variable lowering speed by means of a hydraulic cylinder and a throttle valve



S 131GH

机身底部构造 Machine substructure
· 可移动的 · Mobile
· 标准设备 · Standard equipment

Dimensions



机床技术参数 / Specification

型号	Type	S 131 GH
货号	Item No	5113180
电器总容量	Electrical connection	
电机功率	Motor power ~50 Hz	1.1 KW 230 V / 1 Ph
锯条升降	Lifting the saw bow	Manual
进给	Feed	continuously adjustable
锯条速度	Saw band speed	22 / 31 / 55 m/min
锯条尺寸	Saw band dimensions	1'638 x 13 x 0.65 mm
净重/毛重	NW./GW.	78/80 kg
包装尺寸	Packing size	1040x460x560 mm

Saw bands HSS bi-metal M 42	
Number of teeth	Tooth angle
6 - 10 tpi	0°
10 - 14 tpi	0°
6 tpi	10°

Saw band kit	
· 1 x Saw band HSS bi-metal 10 - 14 TPI; 0°	
· 1 x Saw band HSS bi-metal 6 TPI; 10°	
· 1 x Saw band HSS bi-metal 6 - 10 TPI; 6°	

Cutting range				
0°		Ø 128 mm		100 x 150 mm
45°		Ø 94 mm		94 x 68 mm
60°		Ø 56 mm		56 x 56 mm

METAL BAND SAW

金属切断锯 SG5018/SG5018GW

优质、高效、高性价比

- 保护用户安全的 IP54 开关，带低压保护
- 结实耐用的铸件制造
- 操作时噪音低
- 随机配备高质量的双金属锯条
- 带工件切割长度定位
- 采用液压泵和无级变速节流阀控制锯床的切割进给速度
- 切割结束可自动停机

Convincing arguments: quality, efficiency and price

- User-friendly safety switch for IP 54 with low-voltage release
- Solid casting type
- Silent operation
- With high-grade bimetallic saw band supplied as standard
- Material limit stop
- Lowering of the saw bow by means of the hydraulic support cylinder with infinitely variable throttle valve
- Automatic switch-off of the saw after termination of cutting

标准附件：

- 锯床支架
- 冷却装置

Standard Accessories:

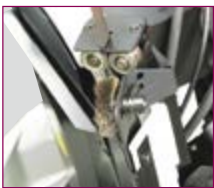
- Bandsaw stand
- Coolant system

可选附件：

- 工作灯 JC34A
- 锯条 2360x19x0.9mm 4-6TPI

Optional Accessories:

- Machine lamp
- Saw blade 2360×19×0.9 mm 4-6TPI



锯条导向

- 滚珠轴承3个方向锯条导向，精确耐用，容易调节
- 锯屑刷

Saw band guiding

- Ball bearing 3-point saw band guiding, durable and easy to adjust
- Chip brush

机身底部构造

- 结实耐用
- 大滚轮方便锯床位置移动

Machine substructure

- Robust
- Large wheels and handy transport strap allow trouble-free position change



SG 5018GW

细节展示 Details



- 可旋转型工作台
- Swivel working table

机床技术参数 /Specification

型号	Model	SG5018/SG5018GW
货号	Code No.	5151800/5151900
电机功率	Motor	1.1 KW 380 V
锯削速度	Blade speed	34,41,59,98 m/min
最大切削能力	Max. cutting capacity	Round \varnothing 175 mm Square 165x305 mm
锯条尺寸	Blade size - Length	2360 mm
锯条尺寸	Blade size - Teeth	4-6 TPI
锯条尺寸	Blade size - Thickness	0.9 mm
锯条尺寸	Blade size - Width	19 mm
钳口旋转范围	Range of vice tilting	0-45°
净重 / 毛重	NW/GW	158/185 kg
包装尺寸	Packing size	1250x440x1080 mm



SG 5018

METAL BAND SAW

金属切断锯 SD200G/SD200GV

优质、高效、高性价比

- 保护用户安全的 IP54 开关，带低压保护
- 结实耐用的铸件制造
- 操作时噪音低
- 随机配备高质量的双金属锯条
- 带工件切割长度定位
- 采用液压泵和无级变速节流阀控制锯床的切割进给速度
- 切割结束可自动停机

Convincing arguments: quality, efficiency and price

- User-friendly safety switch for IP 54 with low-voltage release
- Solid casting type
- Silent operation
- With high-grade bimetallic saw band supplied as standard
- Material limit stop
- Lowering of the saw bow by means of the hydraulic support cylinder with infinitely variable throttle valve
- Automatic switch-off of the saw after termination of cutting



- 锯条导向**
- 滚珠轴承5个方向锯条导向，精确耐用，容易调节
 - 锯屑刷

- Saw band guiding**
- Ball bearing 5-point saw band guiding
 - Outstanding band run and thus optimum cut
 - Chip brush

- 机身底部构造**
- 结实耐用
- Machine substructure**
- Robust



SD200G

细节展示 Details



- 三种锯条转速**
- 通过齿轮箱切换转速
- Three saw band speeds**
- Switchable by means of the gearbox



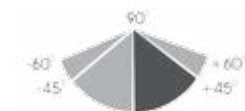
- 快速夹紧钳**
- 夹爪可进行0-45度调节用于角度切割
- Quick-action vice**
- Clamping jaws adjustable from 0° to 45° for mitre cuts



- 冷却设备**
- 标准设备
 - 内置在底座中
 - 冷却箱容积是11升
- Coolant equipment**
- Standard equipment
 - Integrated in the base
 - Tank capacity 11 litres

机床技术参数 / Specification

型号	Type	SD200G	SD200GV
货号	Item No	5120080	5620080
电器总容量	Electrical connection		
电机功率	Motor power ~50 Hz	750/550 W 3PH	750 W 1PH
锯条速度	Saw band speed	44/88 m/min	26-80 m/min
锯条尺寸	Saw band dimensions	2360 x 19 x 1 mm	2360 x 19 x 1 mm
锯床尺寸	Dimensions		
长	Length	1200 mm	1200 mm
宽	Width		
不带限停开关	without material limit stop	450 mm	450 mm
带限停开关	with material limit stop	720 mm	720 mm
高	Height		
最底部高度	lower stop position saw bow	1050 mm	1050 mm
最顶部高度	upper stop position saw bow	1600 mm	1600 mm
净重/毛重	NW./GW.	130/150 kg	130/150 kg
包装尺寸	Packing size	1314x464x1107 mm	1314x464x1107 mm



Cutting range

Angle	Symbol	Ø	Symbol	Dimensions
0°		Ø 180 mm		180 x 240 mm 65 x 300 mm
45°		Ø 110 mm		170 x 110 mm

Saw bands HSS bi-metal M 42

Number of teeth	Tooth angle
5 - 8 tpi	0°
6 - 10 tpi	0°
5 - 8 tpi	6°

Saw band kit

- Saw band HSS bi-metal 6 - 10 TPI; 0°
- Saw band HSS bi-metal 5 - 8 TPI; 0°
- Saw band HSS bi-metal 5 - 8 TPI; 6°

METAL BAND SAW

金属切断锯 S275N/S275NV

优质、高效、高性价比

- 运行噪声低
- 坚固铸铁机身
- 无极转速带来高精度切割
- 两种切削速度
- 带无极转速节流阀装置的液压泵，易控制锯床的切割进给速度
- 带微动停止开关
- 锯床角度调整易读
- 随机配备了高质量的

- 双金属锯条
- 切割结束后，锯床自动停止
- 带锯床全套配置，用户可立即投入使用
- 无极变速锯条切割速度 20 - 90 m/min
- 操作过程中易调节切割速度

Convincing arguments: quality, efficiency and price

- Low-noise running
- Stable casting type
- High cutting accuracy due to vibration-free running
- Two switchable speeds
- Lowering of the saw bow by means of the hydraulic cylinder with infinitely variable throttle valve
- Micro switch for automatic limit stop
- Scale good read for angle adjustment
- With high-grade bimetallic saw band

- supplied as standard
- Adjustable material stop for series productions
- Fully equipped machine, the user can immediately start to work productively S 275NV
- Infinitely variable saw belt speeds 20 - 90 m/min.
- It is easily possible to change the speed during operation

锯条导向

- 使用了锯条导向轴承
- 锯条驱动切割
- 锯屑刷

Saw band guiding

- Saw band guiding via ball bearing
- Outstanding band run and thus optimum cutting results
- Chip brush

控制面板

- 合理布局的控制面板操作简单
- 带急停开关
- 冷却泵开关
- 调速开关
- 无极变速：电位器

Control panel

- Clearly-arranged keyboard for simple operation
- Emergency-stop push button
- Switch coolant pump
- Speed selector switch
- For Vario: Potentiometer



快速夹紧钳

- 手轮调节
- 快速夹紧钳可快速夹持变换工件

Quick-action vice

- Adjustable via handwheel
- Clamping the workpiece by means of the handy quick action lev

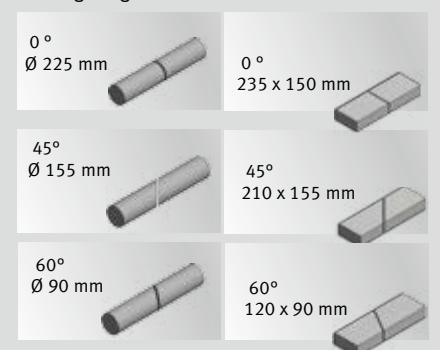
机身底部构造

- 结实耐用
- Machine substructure
- Robust

过滤器

- EMC指示器
- EMC filter
- EMC Directive

Cutting ranges



机床技术参数 /Specification

型号	Type	S 275N	S 275NV
货号	Item No.	5127500	5627500
电器总容量	Electrical connection	400 V / 3 Ph ~50 Hz	230 V / 1 Ph ~50 Hz
电机功率	Motor power	1.1 kW	1.5 kW
冷却泵功率	Power of the coolant pump	90 W	
锯条速度	Saw band speed	45 / 90 m/min	20 - 90 m/min
锯条尺寸	Saw band demension	2.480 x 27 x 0.9 mm	
切割角度	Cutting angle	from 0° to 60°	
净重/毛重	N.W./G.W.	185/200 kg	

Saw bands HSS bi-metal M 42

Teeth per inch	Tooth angle
5 - 8 tpi	0°
6 - 10 tpi	0°
5 - 8 tpi	6°

Saw band kit

- Saw band HSS bi-metal 5 - 8 tpi; 0°
- Saw band HSS bi-metal 6 - 10 tpi; 0°
- Saw band HSS bi-metal 5 - 8 tpi; 6°

METAL BAND SAW

金属切断锯 S210G

优质、高效、高性价比

- 坚固的铸铁机身设计
- 运行无振动，带来高精度的切割
- 操作时噪音低
- 两种可切换的锯条切割速度
- 切割结束可自动停机采用高质量液压泵和无级变速节流阀无级变速控制锯床的切割进给速度

Convincing arguments: quality, efficiency and price

- Heavy casting type
- High cutting accuracy due to vibration-free running
- Silent operation
- Two switchable saw band speeds
- With high-grade bimetallic saw band supplied as standard
- Material limit stop
- Automatic switch-off of the saw after termination of cutting
- Precise, infinitely variable lowering by means of hydraulic cylinder including throttle valve

锯条导向

- 5向滚珠轴承
- 精确
- 耐用
- 可重复调节
- 锯屑刷

Saw band guiding

- 5-point ball bearing
- Precise
- Durable
- Re-adjustable
- Chip brush

控制面板

- 合理布局，操作简单
- 带急停开关按钮
- 冷却水泵开关
- 速度选择开关
- 无级变速：电位计

Control panel

- Clearly-arranged keyboard for simple operation
- Emergency-stop push button
- Switch for coolant pump
- Speed selector switch
- for Vario: Potentiometer

快速夹紧钳

- 通过手轮可调
- 通过便利的快速夹紧手柄夹紧工件

Quick-action vice

- Adjustable via handwheel
- Clamping the workpiece by means of the handy quick action lever

- 符合CE电气设备标准
- EMC滤波器

- CE conformity of the electrical equipment
- EMC filter



- 冷却泵

- Coolant pump
- Standard equipment

机身底部构造

- 结实耐用
- 标准设备





Machine substructure

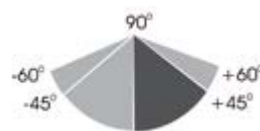
- Robust
- Standard equipment

S210 G

机床技术参数 /Specification

型号	Model	S210G
货号	Code No.	5221000
最大锯切范围圆柱体 0°	Cutting range at 0°round	Ø170 mm
最大锯切范围长方料 0°	Cutting range at 0°rectangular	210x140 mm
最大锯切范围正方料 0°	Cutting range at 0°square	—
最大锯切范围圆料 +45°	Cutting range at +45°round	Ø125 mm
最大锯切范围长方料 +45°	Cutting range at +45°rectangular	125x100 mm
最大锯切范围正方料 +45°	Cutting range at +45°square	—
最大锯切范围圆料 -45°	Cutting range at -45°round	—
最大锯切范围长方料 -45°	Cutting range at -45°rectangular	—
最大锯切范围正方料 -45°	Cutting range at -45°square	—
最大锯切范围圆料 -60°	Cutting range at -60°round	—
最大锯切范围长方料 -60°	Cutting range at -60°rectangular	—
最大锯切范围正方料 -60°	Cutting range at -60°square	—
锯条速度	Saw belt speed	40/80 m/min
锯条尺寸	Saw belt dimension	2080x20x0.9 mm
电机	Motor power	750 W 400 V~50 Hz
电机冷却系统	Motor coolant system	40 W
净重 / 毛重	NW./GW.	185/200 kg
包装尺寸	Packing size	1300x580x880 mm

Cutting range S 210G				
0°		Ø 170 mm		210 x 140 mm
45°		Ø 125 mm		125 x 100 mm



可选附件 **OPTIONAL EQUIPMENT**

- 金属支架 Material stand MSR4×1m
MSR7×2m
- 锯条 Saw blade
粗齿 M42 HSS(5-8 TPI)
中齿 M42 HSS (6-10 TPI)
细齿 M42 HSS (10-14 TPI)



METAL BAND SAW

金属切断锯 S 285DG

优质、高效、高性价比

- 坚固的铸铁机身设计
- 高精度可调工件切割长度定位
- 切割结束可自动停机
- 高精度、更耐用的锯条导向，可重复调节
- 两种可切换的锯条切割速度 45/90 m/min
- 通过回转整个锯弓可任意调节回转 -45 到 +60 度
- 随机配备高质量的双金属锯条
- 带工件切割长度定位
- 采用高质量液压泵和无级变速节流阀的切割进给速度
- 符合 CE 电气设备标准

Convincing arguments: quality, efficiency and price

- Heavy casting type
- Limit stops exactly adjustable within an accuracy of a degree
- Automatic switch-off of the saw after termination of cutting
- Precise and durable saw band guiding, re-adjustable
- Two switchable saw band speeds 45/90 m/min.
- Mitre adjustment from -45° up to 60° by slewing the whole saw bow
- With high-grade bimetallic saw band supplied as standard
- Material limit stop with scaling
- Precise, infinitely variable lowering by means of hydraulic cylinder
- CE conformity of the electrical equipment

- ### 金属支架
- 用来支撑较长工件
- ### Roller support
- To support long materials



控制面板

- 大尺寸
- 急停开关按钮
- 冷却水泵开关
- 控制锯条转速

Control panel

- Largely dimensioned
- Emergency-stop push button
- Switch for coolant pump
- Saw band speed

快速夹紧钳

- 通过手轮可调
 - 快速夹紧手柄带来强力夹
- ### Quick-action vice
- Adjustable via handwheel
 - High clamping force due to quick-action clamping levers

锯弓夹紧手柄

- 可切割 -45 到 60 度以内任意角度
- ### Clamping lever for saw bow
- Saw cuts in the range from -45° up to 60° are continuously adjustable



机身底部

- 坚固耐用
 - 稳定可靠
 - 标准设备
- ### Machine sub-structure
- Robust
 - Stable
 - Standard equipment

细节展示 Details



压力计

- 简单正确地控制锯条张力

Manometer

- Simple and correct control of the saw band tension



降低转速

- 通过控制面板上的进给齿轮控制阀进行简单调节

Lowering speed

- Simple adjustment via feed gear control valve on the control panel



冷却水泵

- 100W 强功率
- 标准设备

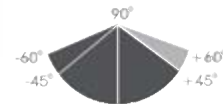
Coolant pump

- High power 100 W
- Standard equipment

机床技术参数 / Specification

型号	Type	S 285 DG
货号	Item No	5228580
电器总容量	Electrical connection	
电机功率	Motor power	~50 Hz 1.1 kW 400 V / 3 Ph
冷却泵电机功率	Motor coolant pump	100 W
锯条速度	Saw band speed	45 / 90 m/min
锯条尺寸	Saw band dimensions	2480 x 27 x 0.9 mm
锯床尺寸	Dimensions	
长	Length	1400 mm
宽(不带/带)限停开关	Width without / with material limit stop	870 / 1270 mm
高(最低/最高)	Height bottom / upper stop position of saw bow	1280/1800 mm
净重/毛重	NW./GW.	295/315 kg
包装尺寸	Packing size	1460x730x1060 mm

S 285DG



Cutting range

Angle	Symbol	Ø	Material	Dimensions
0°	●	Ø 200 mm	■	245 x 150 mm
- 60°	●	Ø 90 mm	■	90 x 110 mm
+ 45°	●	Ø 150 mm	■	145 x 215 mm
- 45°	●	Ø 130 mm	■	100 x 140 mm

Saw bands HSS bi-metal M 42

Specification	Tooth angle
5 - 8 tpi	0°
6 - 10 tpi	0°
5 - 8 tpi	6°

Saw band kit

- Saw band HSS bi-metal 5 - 8 TPI; 0°
- Saw band HSS bi-metal 6 - 10 TPI; 0°
- Saw band HSS bi-metal 5 - 8 TPI; 6°

METAL BAND SAW

金属切断锯 S 300DG/S 300DG V

优质、高效、高性价比

- 坚固的铸铁机身设计
- 高精度可调工件切割长度定位
- 切割结束可自动停机
- 高精度、更耐用的锯条导向，可重复调节
- 两种可切换的锯条切割速度 35/70 m/min
- 通过回转整个锯弓可任意调节回转 -45 到 +60 度
- 随机配备高质量的双金属锯条
- 带工件切割长度定位
- 采用高质量液压泵和无级变速节流阀无级变速控制锯床的切割进给速度
- 符合 CE 电气设备标准

Convincing arguments: quality, efficiency and price

- Heavy casting type
- Limit stops exactly adjustable within an accuracy of a degree
- Automatic switch-off of the saw after termination of cutting
- Precise and durable saw band guiding, re-adjustable
- Two switchable saw band speeds 35/70 m/min.
- Mitre adjustment from -45° up to +60° by slewing the whole saw bow
- With high-grade bimetallic saw band supplied as standard
- Material limit stop with scaling
- Precise, infinitely variable lowering by means of hydraulic cylinder
- CE conformity of the electrical equipment

细节展示 Details



- 压力计**
· 简单正确地控制锯条张力
- Manometer**
· Simple and correct control of the saw band tension



- 金属支架**
· 用来支撑较长工件
- Roller support**
· To support long materials

快速夹紧钳

- 通过手轮可调
- 快速夹紧手柄带来强力夹紧力

Quick-action vice

- Adjustable via handwheel
- High clamping force due to quick-action clamping levers

锯弓夹紧手柄

- 可切削-45到60度以内任意角度
- Clamping lever for saw bow**
· Saw cuts in the range from -45° up to +60° are continuously adjustable

降低转速

- 通过控制面板上的进给齿轮控制阀进行简单调节

Lowering speed

- Simple adjustment via feed gear control valve on the control panel

油盘

- 搜集冷却液，排泄工件废屑

The collecting tray

- collects the coolant draining off the workpiece

转速

- S300DG是两种转速 35/70m/min
- 无级变速款锯条转速无极变速调节20-90m/min
- 专业发明技术

Speed

- S 300 DG with 2 saw band speeds **35 / 70 m/min**
- V type with infinitely variable saw band speed **20 - 90 m/min**
- Professional inventor technique



冷却水泵

- 100W强功率
- 标准设备

Coolant pump

- High power 100 W
- Standard equipment

机床技术参数 / Specification

S 300DG

型号	Type	S 300DG
货号	Item No	5230080
型号	Type	S 300DG V
货号	Item No	5230180
电器总容量	Electrical connection	
电机功率	Motor power ~50 Hz	1.5 kW 400 V / 3 Ph
冷却泵电机功率	Motor coolant pump	100 W
锯条速度	Saw band speed	35 / 70 m/min
无级变速锯条速度	Saw band speed Vario	20 - 90 m/min
锯条尺寸	Saw band dimensions	2750 x 27 x 0.9 mm
锯床尺寸	Dimensions	
长	Length	1680 mm
宽(不带/带)限停开关	Width without / with material limit stop	700 / 1300 mm
高(最低/最高)	Height bottom / upper stop position of saw bow	1600 / 1850 mm
净重/毛重	NW./GW.	335/371 kg
包装尺寸	Packing size	1720x730x1130 mm

Cutting range

0°		Ø 255 mm		310 x 210 mm
- 60°		Ø 135 mm		135 x 135 mm
+ 45°		Ø 220 mm		220 x 200 mm
- 45°		Ø 170 mm		170 x 170 mm

Saw bands HSS bi-metal M 42

Number of teeth	Tooth angle
5 - 8 tpi	0°
6 - 10 tpi	0°
5 - 8 tpi	10°

Saw band kit

- Saw bands HSS bi-metal 5 - 8 TPI; 0°
- Saw bands HSS bi-metal 6 - 10 TPI; 0°
- Saw bands HSS bi-metal 5 - 8 TPI; 10°

METAL BAND SAW

金属切断锯 S 310DG V

优质、高效、高性价比

- 坚固的铸铁机身设计
- 运行无振动，带来高精度的切割
- 操作时噪音低
- 低速时电机功率也很高
- 切割结束可自动停机
- 高精度、更耐用的锯条导向，可重复调节
- 随机配备高质量的双金属锯条
- 一定精度内可调工件切割长度定位
- 锯屑刷
- 采用高质量液压泵和无级变速控制锯床的切割速度
- 快速夹紧钳，可以快速夹持及更换工件，可生产更多材料

Convincing arguments: quality, efficiency and price

- Heavy casting type
- High cutting accuracy due to vibration-free running
- Silent operation
- High motor power also at low speeds
- Automatic switch-off of the saw after termination of cutting
- Precise and durable saw band guiding, adjustable
- With high-grade bimetallic saw band supplied as standard
- Limit stops exactly adjustable within an accuracy of a degree
- Chip brush
- Precise, infinitely variable lowering by means of hydraulic cylinder
- Rapid and safe clamping of the workpiece by means of quick-action vice with additional lever, shiftable to produce large materials



- 压力计**
· 简单正确地控制锯条张力
Manometer
· Simple and correct control of the saw band tension

- 控制面板**
· 主开关
· 操作指示灯
· 带急停开关按钮
· 冷却水泵开关

- 电位计
· 通过选择旋转开关可手动/自动控制锯条运行

- Control panel**
· Main switch
· Operating indicator lamp
· Emergency-stop push button

- Switch for coolant pump
· Potentiometer
· Selection rotary switch Manual saw band run/ automatic saw band run



- 滚柱支架**
· 用于支撑长物料
Roller support
· To support long materials

- 无级变速驱动**
· 通过变频器
· 持续调节锯条切割速度
· 专业的发明技术

- Vario drive**
· Via frequency converter
· Continuously adjustable saw band speed
· Professional inventor technique

- 符合CE电气设备标准
· EMC滤波器
· CE conformity of the electrical equipment
· EMC filter

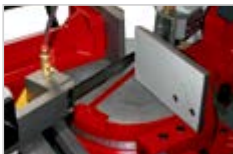
- 工件切割长度定位**
· 导向杆带刻度尺

- Material limit stop**
· Guide rod with scale

- 冷却泵
Coolant pump
· Standard equipment

- 控制切割速度**
· 通过控制面板上的进给齿轮控制阀简单调节

- 急停开关按钮
Lowering speed
· Simple adjustment via feed gear control valve on the control panel
· Emergency-stop push button



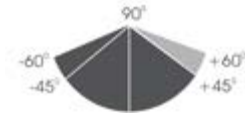
- 旋转工作台**
· 能切割-60到+45度内任意角度
· 刻度尺上角度清晰可读

- Rotary table**
· Every angle between -60° and +45° can be cut, because the kerf migrates with the saw arm
· Easy readable angle scale

- 机身底部构造**
· 结实耐用
· 稳定
· 标准设备

- Machine substructure**
· Robust
· Stable
· Standard equipment

S 310DG



Cutting range				
0°		Ø 255 mm		315 x 230 mm
- 60°		Ø 115 mm		115 x 160 mm
+ 45°		Ø 160 mm		160 x 160 mm
- 45°		Ø 195 mm		195 x 230 mm



Saw bands HSS bi-metal M 42		Saw band kit
Number of teeth	Tooth angle	
5 - 8 tpi	0°	<ul style="list-style-type: none"> • Saw bands HSS bi-metal 5 - 8 TPI; 0° • Saw bands HSS bi-metal 6 - 10 TPI; 0° • Saw bands HSS bi-metal 5 - 8 TPI; 10°
6 - 10 tpi	0°	
5 - 8 tpi	6°	

Material stand	Code No.
MSR 4	5901040
MSR 7	5901070
MSR 10	5901100

机床技术参数 /Specification

型号	Type	S 310DG V
货号	Item No	5231180
电器总容量	Electrical connection	
电机功率	Motor power ~50 Hz	1.5 kW 400 V / 3 Ph
冷却泵电机功率	Motor coolant pump	100 W
锯条速度	Saw band speed	20 - 90 m/min
锯条尺寸	Saw band dimensions	2750 x 27 x 0.9 mm
锯床尺寸	Dimensions	
长	Length	1680 mm
宽(不带/带)限停开关	Width without / with material limit stop	700 / 1330 mm
高(最低/最高))	Height bottom /upper stop position of saw bow	1600 / 2000 mm
净重/毛重	NW./GW.	380/416 kg
包装尺寸	Packing size	1720x730x1130 mm

METAL BAND SAW

金属切断锯 S 350DG

优质、高效、高性价比

- 切割精度高
- 两种可切换的锯条切割速度 36/72 m/min
- 机身可回转 60 度，可切割 60 度以内的任意角度
- 可合并或单独调节锯条滚珠轴承导向
- 随机配备高质量的双金属锯条
- 一定精度内可调工件切割长度定位
- 锯屑刷
- 切割结束可自动停机
- 滚柱支架可调节适用于更长更重的工件
- 坚固耐用的机身底座

Convincing arguments: quality, efficiency and price

- Heavy industrial type
- High cutting accuracy
- Silent operation
- Two switchable saw band speeds 36/72 m/min.
- Mitre adjustment to 60° by slewing the whole saw bow
- Combinable and individual adjustable hard metal and ball-bearing guidance of the saw band
- With high-grade bimetallic saw band supplied as standard
- Limit stops exactly adjustable within an accuracy of a degree
- Chip brush
- Automatic switch-off of the saw after termination of cutting
- Roller support adjustable for long and heavy workpieces
- Solid machine base



- 压力计**
- 简单正确地控制锯条张力
- Manometer**
- Simple and correct control of the saw band tension

- 快速夹紧钳**
- 大尺寸
 - 通过手轮可调
 - 快速夹紧手柄带来强力夹紧力
 - 可移动
- Robust quick-action vice**
- Largely dimensioned
 - Adjustable via handwheel
 - Clamping the workpiece by means of the handy quick action lever
 - Shiftable for large materials

- 控制面板**
- 主开关
 - 操作指示灯
 - 带急停开关按钮
 - 冷却水泵开关
 - 速度选择开关

- Control panel**
- Main switch
 - Operating indicator lamp
 - Emergency-stop push button
 - Switch for coolant pump
 - Speed selector switch

- 液压缸**
- 无级变速调节锯弓运行
- Hydraulic cylinder**
- Infinitely variable saw bow movement

- 锯条导向**
- 结实的金属板和滚珠轴承带来优良的切削
- Saw band guiding**
- Ball bearing with hard metal plates for optimum cuts

- 符合CE电气设备标准
- EMC滤波器
- CE conformity of the electrical equipment
- EMC filter

- 自动限位停止**
- 导向棒带刻度尺
- Material limit stop**
- Guide rod with scale

- 冷却泵**
- Standard equipment

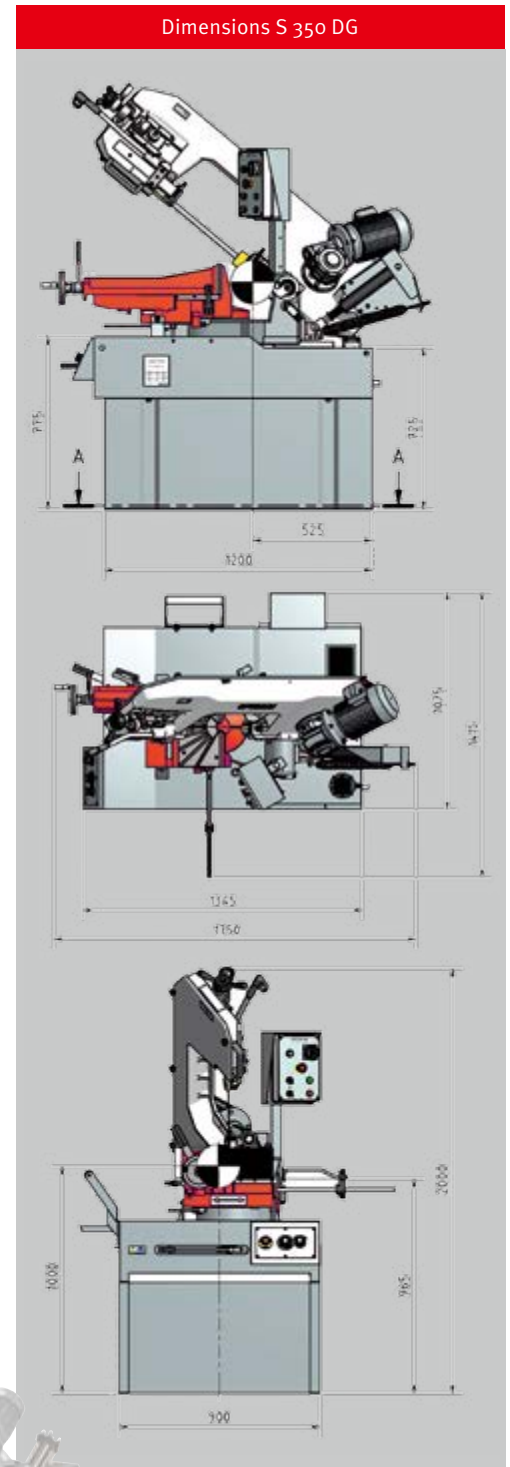
- 控制切割速度**
- 通过控制面板上的进给齿轮控制阀简单调节
 - 急停开关按钮
- Lowering speed**
- Simple adjustment via feed gear control valve on the control panel
 - Emergency-stop push button

- 机身底部**
- 坚固耐用
 - 稳定可靠
 - 标准设备
- Machine substructure**
- Robust
 - Stable
 - Standard equipment


S 350DG

机床技术参数 /Specification

型号	Model	S350DG
货号	Code No.	5235000
最大锯切范围圆柱体 0°	Cutting range at 0°round	Ø270 mm
最大锯切范围长方料 0°	Cutting range at 0°rectangular	350X240 mm
最大锯切范围正方料 0°	Cutting range at 0°square	260 mm
最大锯切范围圆料 +45°	Cutting range at +45°round	Ø230 mm
最大锯切范围长方料 +45°	Cutting range at +45°rectangular	230X150 mm
最大锯切范围正方料 +45°	Cutting range at +45°square	210 mm
最大锯切范围圆料 -45°	Cutting range at -45°round	Ø200 mm
最大锯切范围长方料 -45°	Cutting range at -45°rectangular	200X140 mm
最大锯切范围正方料 -45°	Cutting range at -45°square	170 mm
最大锯切范围圆料 -60°	Cutting range at -60°round	Ø140 mm
最大锯切范围长方料 -60°	Cutting range at -60°rectangular	140X140 mm
最大锯切范围正方料 -60°	Cutting range at -60°square	140 mm
锯条速度	Saw belt speed	36/72 m/min
锯条尺寸	Saw belt dimension	2925X27X0.9 mm
电机	Motor power	2.2 KW 400 V-50 Hz
电机冷却系统	Motor coolant system	50 W
净重 / 毛重	NW./GW.	550/600 kg
包装尺寸	Packing size	1930X970X1120 mm



Cutting range				
0°		Ø 270 mm		350 x 240 mm
- 60°		Ø 140 mm		140 x 140 mm
+ 45°		Ø 230 mm		230 x 150 mm
- 45°		Ø 200 mm		200 x 140 mm



Saw bands (For optional)	
Number of teeth	Tooth angle
5 - 8 tpi	0°
6 - 10 tpi	0°
10-14 tpi	6°

Material stand (For optional)	Code No.
MSR 4	5901040
MSR 7	5901070
MSR 10	5901100



MSR 4 / MSR 7 / MSR 10

SAW

SEMI-AUTOMATIC DOUBLE MITRE METAL BAND SAW

半自动双回转金属带锯 SD 350AV

优质、高效、高性价比

- 手动或半自动操作
- 适用于重工业型
- 切割精度高
- 操作时噪音低
- 机身可回转 60 度，可切割 60 度以内的任意角度
- 可合并或单独调节锯条滚珠轴承导向
- 随机配备高质量的双金属锯条
- 一定精度内可调工件切割长度定位
- 锯屑刷
- 切割结束可自动停机
- 滚柱支架可调节适用于更长更重的工件

Convincing arguments: quality, efficiency and price

- Manual or semi-automatic operation
- Heavy industrial type
- High cutting accuracy
- Silent operation
- Mitre adjustment to 60° by slewing the whole saw bow
- Combinable and individual adjustable hard metal and ball-bearing guidance of the saw band
- With high-grade bimetallic saw band supplied as standard
- Limit stops exactly adjustable within an accuracy of a degree
- Chip brush
- Automatic switch-off of the saw after termination of cutting
- Roller support adjustable for long and heavy workpieces



- 压力计**
- 简单正确地控制锯条张力
- Manometer**
- Simple and correct control of the saw band tension



- 快换夹紧钳
- 大尺寸
- 液压
- 自动关闭
- 可移动打工作面
- 无级变速切割范围从 -45° 到 +60°
- 角度可以通过刻度调节

Robust quick-action vice

- Largely dimensioned
- Hydraulic
- Automatically closing
- Shiftable for large cross sections
- Saw cuts in the range from -45° up to +60° are infinitely variable
- Angle adjustments are readable via scale

- 锯条导向**
- 结实的金属板和滚珠轴承带来优良的切割
- Saw band guiding**
- Ball bearing with hard metal plates for optimum cuts

- 控制面板**
- 布局清晰
 - 可旋转
- Control panel**
- Clearly arranged
 - Slewable
- 液压泵**
- 锯弓可无级变速移动
- Hydraulic cylinder**
- Infinitely variable saw bow movement

- 自动限位停止**
- 导向棒带刻度尺
- Material limit stop**
- Guide rod with scale

- 符合CE电气设备标准
- EMC滤波器
- CE conformity of the electrical equipment
- EMC filter



- 控制切割速度**
- 通过控制面板上的进给齿轮控制阀简单调节
 - 急停开关按钮
- Lowering speed**
- Simple adjustment via feed gear control valve on the control panel
 - Emergency-stop push button

- 机身底部**
- 坚固耐用
 - 稳定可靠
 - 标准设备

- Machine substructure**
- Robust
 - Stable
 - Standard equipment

SD 350AV

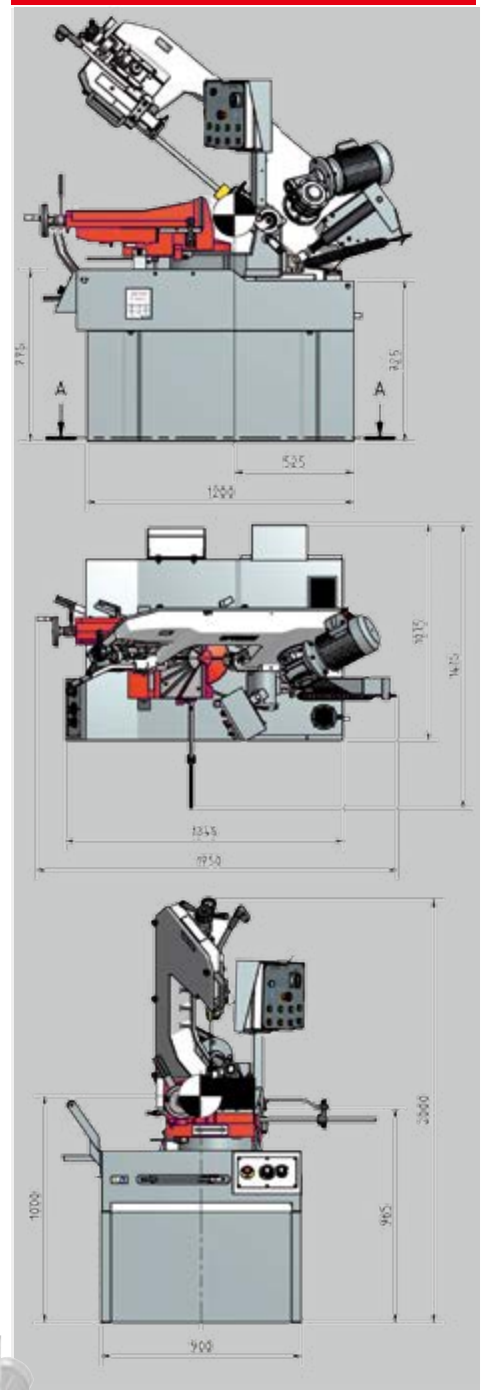
半自动操作功能

- 合上夹紧钳
- 启动电机
- 降下锯弓进行切割
- 停下电机
- 将锯弓恢复到原始位置

Function semi-automatic operation

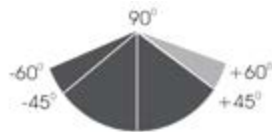
- Closing the vice
- Activating the motor
- Lowering of the saw bow for cutting
- stopping of the motor
- Return of the saw bow in the initial position

Dimensions SD 350AV



机床技术参数 /Specification

型号	Type	SD 350AV
货号	Item No	5235280
电器总容量	Electrical connection	
电机功率	Motor power ~50 Hz	2.2 kW 400 V / 3 Ph
冷却泵电机功率	Motor coolant pump	50 W
升降齿条	Lifting the saw bow	
· 手动模式	· Manual mode	Hydraulic mode by push button
· 半自动模式	· Semi-automatic mode	automatically
进给	Feed	continuously adjustable
锯条速度	Saw band speed	0 - 80 m/min
锯条尺寸	Saw band dimensions	2925 x 27 x 0.9 mm
锯床尺寸	Dimensions	
长	Length	1750 mm
宽 (不带/带) 限停开关	Width without / with material limit stop	1075 / 1415 mm
高 (最低/最高)	Height bottom /upper stop position of saw bow	1420 / 2000 mm
净重/毛重	NW./GW.	600/650 kg
包装尺寸	Packing size	1930x970x1120 mm



Cutting range				
0°		Ø 270 mm		350 x 240 mm
- 60°		Ø 140 mm		140 x 140 mm
+ 45°		Ø 230 mm		230 x 150 mm
- 45°		Ø 200 mm		200 x 140 mm

Saw bands HSS bi-metal M 42

Number of teeth	Tooth angle
5 - 8 tpi	0°
6 - 10 tpi	0°
4 - 6 tpi	6°

Saw band kit

- Saw band HSS bi-metal, 5 - 8 TPI; 0°
- Saw band HSS bi-metal, 6 - 10 TPI; 0°
- Saw band HSS bi-metal, 4 - 6 TPI; 6°

Material stand (For optional)	Code No.
MSR 4	5901040
MSR 7	5901070
MSR 10	5901100



MSR 4 / MSR 7 / MSR 10

MANUAL CIRCULAR METAL SAW

金属切削圆盘锯 CS 275/CS315/CS350

优质、高效、高性价比

- 回转角度 -45 到 +45 度
 - 机座的角度尺可精确调整切割角度
 - 只要几秒钟轻松调节机身回转
 - 台虎钳心轴安全保护
 - 机身底座的工作台两侧都有孔，可方便连接 MSR 工件支架
 - 机身底座尺寸：
 - CS 275 - 460 x 515 x 775 mm
 - CS 315 - 546 x 620 x 801 mm
- 发货时锯床不带锯片（可自由选择锯片螺距）

Convincing arguments: quality, efficiency and price

- Slewing range of $\pm 45^\circ$
- Easy readable angle scale allows precise working
- Adjustment of the mitre in a matter of seconds
- Protected vice spindle
- Solid machine base with holes on both sides for the installation of the material stand MSR
- Machine base sizes:
 - CS 275 - 460 x 515 x 775 mm and
 - CS 315 - 546 x 620 x 801 mm
- The saw is delivered without circular saw blade (saw blade pitch freely selectable)

防护罩壳

- 功能性
- 全封闭
- 可移动式
- 良好的切断保护装置

Protective equipment

- Functional
- All-surrounding
- Mobile
- Rapid opening mechanism provides for optimum safety when cutting



台虎钳

- 中心夹紧
- 四维导向
- 可独立调整的钳口
- 可保护工件在最佳位置切断
- 4杠杠夹紧机构
- 台虎钳心轴安全保护

Vice

- Centric clamping
- 4-time guided
- Individually adjustable jaws
- Cut is always performed in an optimum position to the workpiece
- 4-lever clamping system
- Protected vice spindle



冷却水泵

- 水箱可拆分
- 内置强功率水泵

Coolant pump

- Detachable coolant tank
- Integrated powerful pump

加长手柄

- 可省力切断工件
- 手柄末端内置开关按钮
- 切割的时候可自动启动冷却水泵

Long handle

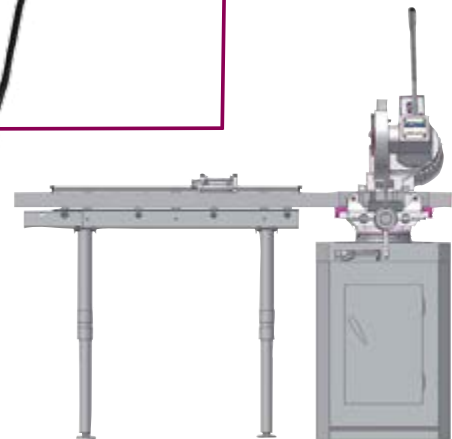
- Allows sawing without large efforts
- Integrated push button (On/Off)
- Automatic switching on of the coolant pump when sawing

机身底部构造

- 坚固耐用
- 可锁式门

Machine substructure

- Solid
- Lockable door



Material stand (For optional)	Code No.
MSR 4	5901040
MSR 7	5901070
MSR 10	5901100

CS 315

机床技术参数 /Specification

型号	CS275	CS315	CS350
Model	CS275	CS315	CS350
货号	5427500	5431500	5435000
Code No.	5427500	5431500	5435000
最大锯切范围圆料 0°	Ø60 mm	Ø70 mm	Ø110 mm
Cutting range at 0°round	Ø60 mm	Ø70 mm	Ø110 mm
最大锯切范围长方料 0°	100x60 mm	130x70 mm	135x110 mm
Cutting range at 0°rectangular	100x60 mm	130x70 mm	135x110 mm
最大锯切范围正方料 0°	60x60 mm	70x70 mm	110x110 mm
Cutting range at 0°square	60x60 mm	70x70 mm	110x110 mm
最大锯切范围圆料 45°	Ø60 mm	Ø70 mm	Ø110 mm
Cutting range at 45°round	Ø60 mm	Ø70 mm	Ø110 mm
最大锯切范围长方料 45°	70x60 mm	90x70 mm	110x90 mm
Cutting range at 45°rectangular	70x60 mm	90x70 mm	110x90 mm
最大锯切范围正方料 45°	60x60 mm	70x70 mm	95x95 mm
Cutting range at 45°square	60x60 mm	70x70 mm	95x95 mm
锯片速度	96 / 48 rpm	38 / 19 rpm	38 / 19 rpm
Speed of sawing blade	96 / 48 rpm	38 / 19 rpm	38 / 19 rpm
锯片直径	Ø275 mm	Ø315 mm	Ø350 mm
Diameter of sawing blade	Ø275 mm	Ø315 mm	Ø350 mm
电机	2/1.4 KW	1.5/0.75 KW	1.5/1.1 KW
Motor power	400 V/50 Hz	400 V/50 Hz	415 V/50 Hz
包装尺寸	940x560x1550 mm	1000x630x1570 mm	630x1000x1510 mm
Packing size	940x560x1550 mm	1000x630x1570 mm	630x1000x1510 mm
净重	156 kg	200 kg	226 kg
Net weight	156 kg	200 kg	226 kg

Cutting range CS 275

0°		Ø 60 mm		100 x 60 mm		60 mm
45°		Ø 60 mm		70 x 60 mm		60 mm

Cutting range CS 315

0°		Ø 85 mm		130 x 70 mm		70 mm
45°		Ø 85 mm		90 x 70 mm		70 mm

Information on circular saw blades

4 T/mm: Tube/profile (wall thickness)

- up to 1 mm: Aluminium / Bronze / Copper / Brass
- up to 1.5 mm: Steels up to 1'500 N/m²/Stainless steels
- up to 2 mm: Steels up to 1'200 N/m²

6 T/mm: Tube/profile (wall thickness)

- up to 1.5 mm: Aluminium / Bronze / Copper / Brass
- from 3 mm on: Steels up to 1'800 N/m²

6 T/mm: Solid (cross section)

- 10-20 mm: Aluminium / Bronze / Copper / Brass
- 20-40 mm: Steels up to 1'800 N/m²/Stainless steels

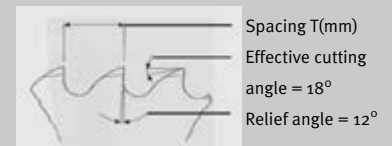
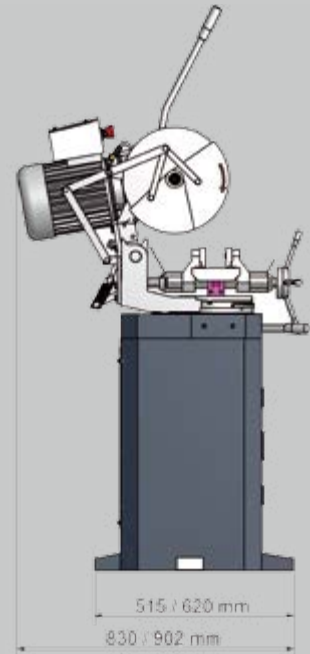
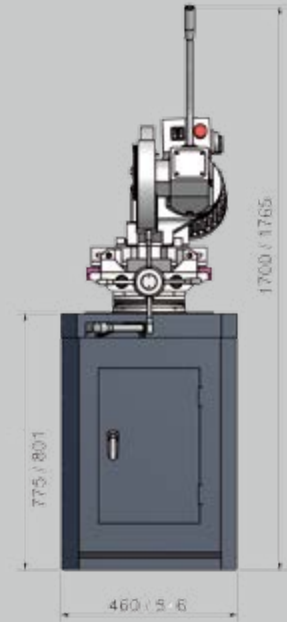
8 T/mm: Tube/profile (wall thickness)

- from 3 mm on: Aluminium / Bronze / Copper / Brass

8 T/mm: Solid (cross section)

- 20-40 mm: Steels up to 1'800 N/m² Aluminium/Bronze/Copper
- 40-60 mm: Steels up to 1'200 N/m² Stainless steels

Dimensions



锯片 (可选)

Saw blade(For optional) 4mm/6mm/8mm

粗齿 M42 HSS(5-8 TPI)

中齿 M42 HSS(6-10 TPI)

细齿 M42 HSS(10-14 TPI)

AUTOMATIC CIRCULAR METAL SAW

全自动金属圆盘切割机 CS 315SA/CS 350SA

优质、高效、高性价比

- 强功率双速电机
- 气动夹紧，快速稳定可靠
- 自动切削，速度可调
- 良好的切断保护装置
- 中心定位四维导向台虎钳，可独立调整钳口
- 装有整体水泵的可移动水箱

Convincing arguments: quality, efficiency and price

- Strong 2-Speed motor
- Pneumatic clamp, quickly and reliably
- Automatic cutting vario speed
- High-grade, fracture proof and movable protective device with rapid opening mechanism provides optimum protection when cutting
- Central orientation vice, quadruple guiding, with individually adjustable jaws
- Removable coolant tank with integrated powerful pump

- 液压/手动工件夹紧
- Vice fixed by manual or hydraulic

- 强功率电机
- Strong motor

- 工件支撑架 (可选附件)
- Workpiece support(optional)

- 切割进给速度调整手柄
- Adjustment of cutting speed power feed

- 脚踏或双位开关, 控制工件夹紧及切割进给
- Double switch for control vice clamping and cutting power feed













- 整体带冷却钢底座
- Strong stand with coolant pump inside



CS 350SA

机床技术参数 /Specification

型号	Model	CS315SA	CS350SA
货号	Code No.	5531500	5535000
电机功率	Motor power	1.5KW/1.1KW (4/8 Pole) 400V/50Hz	1.5KW/1.1KW (4/8 Pole) 400V/50Hz
锯片速度	Saw blade speed	38/19 r/min	38/19 r/min
主轴箱回转角度	Head rotation	±45°	±45°
夹钳型式	Clamping vice	双边Double	双边Double
夹钳最大开档	Max. vice opening	145 mm	145 mm
冷却水泵	Coolant motor	40W / 400V / 50Hz	40W / 400V / 50Hz
锯片最大直径	Blade max.diameter	Ø315 mm	Ø350 mm
锯片孔径	Blade bore	Ø40 mm	Ø40 mm
锯片定位销孔	Blade pin holes	2xØ8xPCD55 mm	2xØ8xPCD55 mm
使用空气压力	Air pressure	6 kg/cm2(120 l/min)	6 kg/cm2(120 l/min)
0°最大锯切能力, 圆形	0° round, max.	85 mm	110 mm
0°最大锯切能力, 长方形	0° rectangular, max.	130x70 mm	135x110 mm
0°最大锯切能力, 正方形	0° square, max.	70x70 mm	110x110 mm
45°最大锯切能力, 圆形	45° round, max.	85 mm	110 mm
45°最大锯切能力, 长方形	45° rectangular, max.	90x70 mm	110x90 mm
45°最大锯切能力, 正方形	45° square, max.	70x70 mm	95x95 mm
外形尺寸	Machine dimension	980x640x1650 mm	980x640x1680 mm
包装尺寸	Packing size	1050x630x1530 mm	1050x630x1550 mm
净重/毛重	NW/GW	270/320 kg	290/345 kg

Cutting range CS 315SA						
0°		Ø 85 mm		130 x 70 mm		70 mm
45°		Ø 85 mm		90 x 70 mm		70 mm
Cutting range CS 350SA						
0°		Ø 110 mm		135 x 110 mm		110 mm
45°		Ø 110 mm		110 x 90 mm		95 mm

可选附件 OPTIONAL EQUIPMENT

1. 金属支架 Material stand MSR4
2. 锯片
Saw blade 4mm/6mm/8mm
粗齿 M42 HSS(5-8 TPI)
中齿 M42 HSS(6-10 TPI)
细齿 M42 HSS(10-14 TPI)



1.MSR 4



2.Saw blade

DOUBLE COLUMN HORIZONTAL BAND SAW

双立柱卧式带锯床

型号 Model 切割能力 Capacity of cutting

GB4228	● 280	■ 400X280
GB4240	● 400	■ 500X400
GB4250	● 500	■ 500X500
GB4265	● 650	■ 650X650
GB4280	● 800	■ 800X800
GB42100	● 1000	■ 1000X1000



GB4228

细节展示 Details



液压升降
Hydraulic up & down



锯床主电机轮
Motor pulley



锯条支承调整
Saw blade holder
adjustment



标准长工件延伸支架
Standard material stand



可选延伸支架
Optional material stand
MSR4 1m
MSR7 2m
MSR9 3m

机床技术参数 /Specification

型号	GB4228	GB4230/50	GB4240/50	GB4240/60
Model				
货号	5322800	5323500	5324500	5324600
Code No.				
切断范围	● 280 ■ 400×280	● 300 ■ 500×300	● 400 ■ 500×400	● 400 ■ 600×400
Cutting off limit(mm)				
锯条规格 (长 × 宽 × 高)	3620×27×0.9	4180×34×1.1	4650×34×1.1	4870×41×1.25
Sile of band saw(mm)				
锯条线速度	25/36/47/58/80	30/50/75/95	26/38/52/70/90	26/38/52/70/90
Linespeed of band saw(m/min)				
电机功率	3.81	3.81	3.81	3.81
Total motor power(kw)				
主机包装尺寸 (长 × 宽 × 高)	1850×1000×1580 mm	1970×1320×1580 mm	2400×1100×1730 mm	2430×1100×1730 mm
Size of outward(L×W×H)				

型号	GB4250	GB4265	GB4280	GB42100	GB42130
Model					
货号	5325000	5326500	5328000	5321000	5321300
Code No.					
切断范围	● 500 ■ 500×500	● 650 ■ 650×650	● 800 ■ 800×800	● 1000 ■ 1000×1000	● 1300 ■ 1300×1300
Cutting off limit(mm)					
锯条规格 (长 × 宽 × 高)	5450×41×1.25	6860×41×1.25	8820×67×1.6	9820×67×1.6	11180×67×1.6
Sile of band saw(mm)					
锯条线速度	25/45/75	20~65 Inverter	18~60 Inverter	15~60 Inverter	15~60 Inverter
Linespeed of band saw(m/min)					
电机功率	4.81	7.09	9.84	14.84	18.84
Total motor power(kw)					
主机包装尺寸 (长 × 宽 × 高)	2635×1210×1885 mm	3270×1540×2160 mm	4130×2150×2500 mm	4560×2170×3040 mm	5050×2250×3380 mm
Size of outward(L×W×H)					

型号	GZ4230	GZ4240	GZ4250
Model			
货号	5313100	5314000	5315000
Code No.			
切断范围	● 300 ■ 300×300	● 400 ■ 400×400	● 500 ■ 500×500
Cutting off limit(mm)			
锯条规格 (长 × 宽 × 高)	4115×34×1.1	4650×34×1.3	5450×41×1.3
Sile of band saw(mm)			
锯条线速度	30/50/75/95	19/30/50/65/90	25/45/75
Linespeed of band saw(m/min)			
电机功率	3.81	4.81	4.81
Total motor power(kw)			
主机包装尺寸 (长 × 宽 × 高)	2060×2195×1450 mm	2265×2200×1550 mm	2660×2300×1800 mm
Size of outward(L×W×H)			

SAW

MOUNTING PLATE MSR

锯床连接支架 MSR4/MSR7/MSR10

优质、高效、高性价比

- 支撑较长较重工件的完美工具
- 可普遍适用于金属带锯、圆盘锯等
- 对工件供给和拆除等运输方面提供简单有效的帮助
- 滚珠支架高度可无限调节并夹紧
- 由高强度轴承制作的钢辊保证工件的支撑的安全性
- 可无限延长
- 可选装 LMS 长度测量仪

Convincing arguments: quality, efficiency and price

- Optimum aids to support long and heavy workpieces
- Universally applicable for e.g. metal band saws, circular saws, etc.
- Easy and efficient material transportation for the supply and removal of workpieces
- Roller support infinitely height adjustable and can be clamped
- Safe workpiece support due to steel rollers which are massive high-capable of bearing
- Infinitely extendable
- Mounting option of the distance measuring system LMS

H version variably adjustable up to 1050 mm.
H版可调节到1050毫米。



Convincing arguments...



- 框架结构**
- 结构稳定
 - 特殊轮廓坚固耐用
- 承载压辊**
- 钢制
 - 两边均有滚珠轴承 sides
- Frame**
- Stable type
 - Solid special profile
- Load-bearing rollers**
- Steel
 - Ball bearings on both sides



- 每层高度**
- 从650到950mm无限可调
- Layer height**
- Infinitely variable from 650 to 950 mm



- 附件PVC压辊**
- 可额外安装
 - 由防滑PVC材料制成
 - 防刮伤
 - 轻松安装压辊到安装支架内
- Accessories PVC rolls**
- Additionally mountable
 - Made of anti-skid PVC
 - To avoid scratches
 - Simply mount rolls into the existing mounting brackets



PVC 压辊在支架的实际运用
PVC rolls in practical wall bracket

型号	Type	MSR 4	MSR 7	MSR 10
货号	Item No	5901040	5901070	5901100
型号	Type	MSR 4H	MSR 7H	MSR 10H
货号	Item No	5901041	5901071	5901101
技术数据	Technical data			
支承轮直径	Diameter of support rollers	60 mm	60 mm	60 mm
支承轮宽度	Width of support rollers	360 mm	360 mm	360 mm
承受重量	Static table load	500 kg	700 kg	700 kg
尺寸	Dimensions			
长	Length	1000 mm	2000 mm	3000 mm
宽	Width	440 mm	440 mm	440 mm
高	Height	650 - 950 mm	650 - 950 mm	650 - 950 mm
高	Height H version	660 - 1050 mm	660 - 1050 mm	660 - 1050 mm
重量	Net weight	30 kg	58 kg	78 kg
标准设备	Standard equipment	Fixing material for elongation		
配件	Accessories	PVC rolls 3 pieces		

定程装置 LMS IM/LMS 2M

优质、高效、高性价比

- 完美的长度测试和精度定位工具
- 可进行高精度重复测量工作
- 高效使用，简单安装

Convincing arguments: quality, efficiency and price

- For perfect length measurement and precise positioning
- For recurring measuring tasks with high precision
- High efficiency simply mounting



- 安全套件 (可选附件)
- DRO1 mounting set (optional accessories)



UNIVERSAL COOLANT APPLIANCE

独立冷却水箱 KME1



型号	Type	KME1
货号	Item No	3301999
电压	Motor	230V /100W ~50Hz
开关插座组合	Switch-plug combination	IP 54
高度	Delivery height	2.5 m
体积	Delivery volume	3.5 liters per minynte
容量	Tank capacity	12 liters
水管长度	Water tube length	2 m
插头电缆长度	Plug cable length	1.5 m
连接电缆长度	Connection cable length	2 m
外形尺寸	Dimensions size	365×250×170 mm
包装尺寸	Packing size	395×280×210 mm

BENCH GRINDER



PSM 200/250/350.....F2

SM175/200/250/300F3



DS250/QSM175E/SM250E.....F4

IBG150/175/200/250.....F5



SM200-SL1/SM250-SL2.....F6

MD150-B686/MM1130F7



MM2315/MM4115F8

DBS75F9



BSM75/150/75L/150L F10

BSM100x1000/120x1500..... F12



TGM-3..... F13

GH10T/15T/20T..... F14



GU 1/GU 2 F16

GU 15/18/20/25 F17



NTS 251 F18

GQ-D13/DG20.....F20



DG20/MR-R300 F21

PSM POLISHER

布轮抛光机 PSM 200/250/350



专利号 : ZL 02 3 49848.X
 Patent No.:ZL 02 3 49848.X

可选附件 Optional:
 底座 Steel stand

机床技术参数 /Specification

型号	Model	PSM200	PSM250	PSM350
货号	Code No.	6820002	6825005	6835003
布轮尺寸	Dimension of polishing wheel	ø200x20,ø16 mm	ø250x25,ø20 mm	ø350x40,ø16 mm
额定功率	Rated power	600 W	1.5 KW	2.2 KW
额定电压	Rated voltage	230 V	380 V	400 V
转速	Speed	2950 rpm	2950 rpm	1450 rpm
包装尺寸	Packing size	540x202x252 mm	630x250x315 mm	1060x330x530 mm
净重 / 毛重	NW/GW	9/11 kg	22/25 kg	54/66 kg

GRINDER

砂轮机 SM 175/200/250/300

- 重型工业砂轮机，使用寿命长，电机免维护
- 压铸铝罩壳
- 转子做过动平衡，配上高品质滚珠轴承，保证更长使用寿命，运转更顺畅
- 安全防护罩，防止火花溅出
- 刀架支撑坚固耐用，可调节角度

- 防护镜采用耐摔材料
 - 橡胶脚垫易吸收振动
 - 配两只通用的金刚砂轮片
- SM 175: Width 25 mm

- SM 200: Width 30 mm
SM 250: Width 40 mm
SM 300: Width 50 mm

- Heavy long-life industrial type with maintenance-free motor for permanent use
- Housing made of aluminium die casting
- Balanced rotor with quality ball bearings ensures long service life and very smooth running
- Spark protection on each grinding wheel reduces flying sparks
- Solid, adjustable workpiece support

- Inspection glasses made of break-proof material
 - Vibration-absorbing rubber feet
 - Two universal corundum grinding wheels
- SM 175: Width 25 mm
SM 200: Width 30 mm
SM 250: Width 40 mm
SM 300: Width 50 mm



SM 300

SM 250

Grinding wheels Regular corundum rough K 36	
Ø 175 x 25 Ø 32 mm	310 7180
Ø 200 x 30 Ø 32mm	310 7210
Ø 250 x 40 Ø 32mm	310 7250
Ø 300 x 50 Ø 75mm	310 7270

Grinding wheels Regular corundum fine K 80	
Ø 175 x 25 Ø 32 mm	310 7185
Ø 200 x 30 Ø 32mm	310 7215
Ø 250 x 40 Ø 32mm	310 7255
Ø 300 x 50 Ø 75mm	310 7275



K 36

K 80

型号	Type	SM 175	SM 200	SM 250	SM 300
货号	Code No.	6131750	6132002/6132003	6132500	6133000
机器参数	Machine datas				
输入电压	Electrical connection	230 V / 1 Ph ~50 Hz	230 V/1 Ph or 400V/3Ph	400 V / 3 Ph ~50 Hz	400 V / 3 Ph ~50 Hz
电机功率	Motor power	450 W	600 W	1.5 kW	2.2 kW
砂轮	Grinding wheels				
砂轮尺寸	Dimensions	Ø 175 x 25 Ø32 mm	Ø 200 x 30 Ø32 mm	Ø 250 x 40 Ø32 mm	Ø 300 x 50 Ø75 mm
砂轮转速	Speeds	2'850 min ⁻¹	2'850 min ⁻¹	2'850 min ⁻¹	1'450 min ⁻¹
无级变速转速	Speeds Vario	-	800 - 2'850 min ⁻¹	800 - 2'850 min ⁻¹	-
尺寸	Dimensions				
长x宽x高	Length x width x height	456 x 220 x 291 mm	461 x 246 x 310 mm	542 x 304 x 365 mm	736 x 365 x 407 mm
净重	Net weight	14 kg	16 kg	37 kg	84 kg
无级变速净重	Net weight Vario	-	21 kg	45 kg	-

GRINDER

砂轮机 DS 250/QSM 175E/SM 250E



DS 250

机床技术参数 /Specification

型号	Model	DS 250
货号	Code No.	6152510
砂轮机规格	Size of grinding wheel	250x32x32 mm
额定输入功率	Rated input power	900 W
额定电压	Rated voltage	400 V/3 PH
额定频率	Rated frequency	50 HZ
空载转速	No load speed	2950 r/min
净重 / 毛重	N.W/G.W	36/37.5 kg
包装尺寸	Packing size	600x600x400 mm



QSM 175E



SM 250E

机床技术参数 /Specification

型号	Model	QSM 175E	SM 250E
货号	Code No.	6121750	6132510
砂轮机规格	Size of grinding wheel	175x20x32 mm	250x25x20 mm
额定输入功率	Rated input power	450 W	1.5 KW
额定电压	Rated voltage	115 V/1 PH	230 V/3 PH
额定频率	Rated frequency	60 HZ	60 HZ
空载转速	No load speed	3450 r/min	3450 r/min
净重 / 毛重	N.W/G.W	13/14.5 kg	35/37 kg
包装尺寸	Packing size	445x295x250 mm	630x250x315 mm

INDUSTRIAL GRINDER

工业砂轮机 IBG 150/175/200/250



IBG 150



IBG 175



IBG 200



IBG 250

机床技术参数 /Specification

型号	Model	IBG150	IBG175	IBG200	IBG250
货号	Code No.	6141500	6141700	6142000	6142500
电压	Voltage	230 V~50 Hz 1~	230 V~50 Hz 1~	380 V~50 Hz 3~	380 V~50 Hz 3~
电机	Motor	500 W	600 W	900 W	900 W
		S2=30min;2850 rpm	S2=30min;2850 rpm	S2=30min;2850 rpm	S2=30min;2850 rpm
砂轮尺寸	Wheel size	Ø150x25xØ32 mm	Ø175x25xØ32 mm	Ø200x32xØ32 mm	Ø250x32xØ32 mm
防护等级	Protection grade	IP20	IP20	IP20	IP20
包装尺寸	Packing size	485x258x220 mm	485x275x247 mm	540x300x275 mm	580x365x290 mm
净 / 毛重	NW/GW	16.5/19 kg	17.5/19 kg	26.5/28 kg	33/35 kg

BELT & WHEEL SANDER

砂轮砂带机 SM 200-SL 1

机床技术参数 /Specification

型号	Model	SM200-SL1
货号	Code No.	6320000
功率	Power	600 W
电压	Voltage	230/380 V 50 Hz
砂带线速度	Belt speed	16 m/s
砂带尺寸	Belt size	762x75 mm
砂带角度调整范围	Belt angle adjusting range	0-90°
砂轮转速	Wheel speed	2850 rpm
砂轮规格	Wheel size	200x30x32 mm
净重 / 毛重	NW./GW.	18.5/20 kg
包装尺寸	Packing size	540x480x490 mm



SM200-SL1

BELT & WHEEL SANDER

砂轮砂带机 SM 250-SL 2

机床技术参数 /Specification

型号	Model	SM250-SL2
货号	Code No.	6325000
功率	Power	1.5 KW
电压	Voltage	230/380 V
砂带线速度	Belt speed	16 m/s
砂带尺寸	Belt size	1016x75 mm
砂带角度调整范围	Belt angle adjusting range	0-90°
砂轮转速	Wheel speed	2850 rpm
砂轮规格	Wheel size	250x40x32 mm
净重 / 毛重	NW./GW.	37/40 kg
包装尺寸	Packing size	620x580x555 mm



SM250-SL2

BELT & WHEEL SANDER

砂轮砂带机 MD150-B686

机床技术参数 /Specification

型号	Model	MD150-B686
货号	Code No.	6315000
电机	Motor	230 V 50 Hz 250 W
砂轮尺寸	Wheel size	Ø150X20XØ12.7 mm
转速	Speed	2950 rpm
砂带尺寸	Belt size	50x686 mm
净重 / 毛重	NW/GW	10/11 kg
包装尺寸	Packing size	400x340x220 mm



MD150-B686

DISC SANDER

砂盘机 MM 1130



MM 1130

机床技术参数 /Specification

型号	Model	MM1130
货号	Code No.	6433000
电机	Motor	900 W
砂盘直径	Sand disc diameter	Ø305 mm
工作台尺寸	Table size	440x156 mm
工作台倾斜范围	Table tilting range	0-45°
砂盘速度	Disc speed	1420 rpm
净重 / 毛重	NW/GW	28.5/30.5 kg
外形尺寸	Dimension	485x438x362 mm
包装尺寸	Packing size	440x445x365 mm

BELT DISC GRINDING MACHINE

砂盘砂带机 MM 2315/MM4115



MM 2315



MM 4115

机床技术参数 /Specification

型号	Model	MM2315	MM4115
货号	Code No.	6412300	6414100
电机	Motor	750 W	500 W
砂盘直径	Sand disc diameter	Ø230 mm	Ø152 mm
砂带尺寸	Belt size	150x1220 mm	100x914 mm
工作台尺寸	Table size	314x157 mm	158x225 mm
工作台倾斜范围	Table tilting range	0-45°	0-45°
砂盘速度	Disc speed	1400 rpm	2400 rpm
砂带速度	Belt speed	5.3 m/s	7.6 m/s
净重 / 毛重	NW/GW	49.5/52 kg	22/24 kg
外形尺寸	Dimension	728x505x1006 mm	545x430x302 mm
包装尺寸	Packing size	705x385x445 mm	620x325x380 mm

BELT DISC GRINDING MACHINE

砂盘砂带机 DBS 75

优质、高效、高性价比

- 可转动磨削臂应用广泛
- 砂带张力可手工调整
- 很容易更换砂带
- 带有低压断路器和急停按钮的亲合性
- 安全开关 (IP 54)
- 标配排屑管口

Convincing arguments: quality, efficiency and price

- Universal applicable by rotatable grinding arm
- Sanding belt tension manually adjustable
- Sanding belt easily changeable
- User-friendly safety switch with low voltage circuit breaker and emergency stop switch
- Suction nozzle supplied as standard

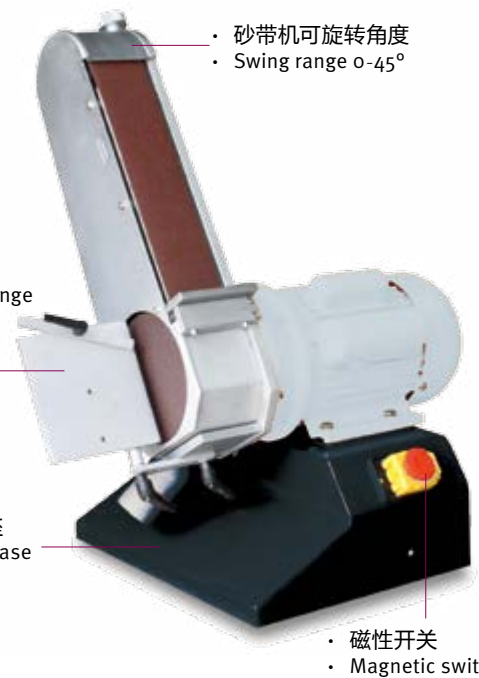


- 强力排屑管口
- Intensity suction

DBS 75

机床技术参数 /Specification

型号	DBS75
Model	
货号	6407500
Code No.	
砂盘尺寸	150 mm
Dimensions grinding disc	
砂盘速度	1410 rpm
Disc speed	
砂带尺寸	75x1180 mm
Dimension abrasive belt	
砂带速度	11 m/s
Belt speed	
工作台尺寸	85x215 mm
Table size	
电机功率	1.1K W 380 V or 220 V/50 Hz
Motor power	
排屑管内径	47 mm
Nominal width suction pipe ID	
排屑管外径	50 mm
Nominal width suction pipe OD	
重量	68/82 kg
Weight	
包装尺寸	745x520x555 mm
Packing size	



- 砂带机可旋转角度
- Swing range 0-45°

- 工作台可旋转
- Table swing range

- 重型铸件底座
- Iron casting base

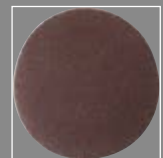
- 磁性开关
- Magnetic switch

可选附件 OPTIONAL EQUIPMENT

1. 可选砂带 Accessories Sanding belt
 - 砂带尺寸 Sanding belt 75-1180; Grain 40
 - 砂带尺寸 Sanding belt 75-1180; Grain 60
 - 砂带尺寸 Sanding belt 75-1180; Grain 80
 - 砂带尺寸 Sanding belt 75-1180; Grain 120



2. 可选研磨盘 Accessories Abrasive disc
 - 研磨盘尺寸 Abrasive disc 150; Grain 40
 - 研磨盘尺寸 Abrasive disc 150; Grain 60
 - 研磨盘尺寸 Abrasive disc 150; Grain 80
 - 研磨盘尺寸 Abrasive disc 150; Grain 120



BELT SANDER

轻/重型工业砂带机 BSM75/150 BSM75L/150L

优质、高效、高性价比

- 省时，去毛刺，清洁焊缝
- 强功率的电机
- 33m/s 的高转速砂带
- 单边的轴承安装，可快速简易更换砂带
- 安全防护罩，防止火花溅出
- 带有低压释放器和急停按钮的安全开关（符合 IP 54 标准）
- 通过滚花螺母非常简单调节砂带的松紧

Convincing arguments: quality, efficiency and price

- Time-saving deburring of edges cleaning of welding seams
- Powerful moto
- High belt rotation speed of 33 m/s
- One-sided bearing mounting facilitates the belt replacement
- Safety guard reduces the flying of spark
- User-friendly safety switch (IP 54 compliant) with low voltage release and Emergency-Stop switch
- Adjustment of belt running without tools-adjustable only via knurled nut



BSM75/150



- 安全防护罩，防止火花溅出
- 单边轴承易换砂带
- Safety guards reduce the flying of sparks
- One-sided bearing mounting facilitates the belt replacement



- 单只扳手完成所有安装
- 简单调整支撑杆的角度即可调整加工面
- 带有低压释放器和急停按钮的安全开关（符合 IP 54 标准）
- 通过滚花螺母来调整砂带松紧
- Operating tool in a handy fastener
- Simple adjustment of the angle of the workpiece support surface via clamping lever
- User-friendly safety switch according to IP 54 with low voltage release and Emergency-Stop button
- Adjustment of belt running without tools adjustable only via knurled nut

机床技术参数 /Specification

型号 Model	BSM75	BSM150	BSM75L	BSM150L
货号 Code No.	6207500	6215000	6207600	6215100
砂带尺寸 Dimension abrasive belt	75x2000 mm	150x2000 mm	75x2000 mm	150x2000 mm
磨削刀架尺寸 Grinding support size	75x575 mm	150x575 mm	75x575 mm	150x575 mm
砂带速度 Belt speed	33 m/s	33 m/s	33 m/s	33 m/s
排屑管内径 Nominal width suction pipe ID	ø57 mm	ø57 mm	ø57 mm	ø57 mm
排屑管外径 Nominal width suction pipe OD	ø60 mm	ø60 mm	ø60 mm	ø60 mm
电机功率 Motor power	3 KW 380 V/50 Hz	4 KW 380 V/50 Hz	3 KW 380 V/50 Hz	4 KW 380 V/51 Hz
净重 Net weight	98 kg	125 kg	73 kg	90 kg
包装尺寸 Packing size	1017x560x775 mm	1017x635x775 mm	1020x565x790 mm	1020x640x785 mm



BSM 150L



- 从砂带机背部打开磨削面板可以砂磨长形工件
- The end-to-end face grinding surface which is open at the back is also best appropriate to work long workpieces



- 33 米 / 秒高速砂带可快速移动工件
- 倾斜的工件支撑板可以让您在更加合适的角度磨削
- Rapid material removal due to high band speed of 33m/sec
- Inclinable workpiece support allows grinding at an adequate angle



- 胶带轮运转噪声低，并可消除砂带的打滑
- Gummed rolls which allow in quiet running and eliminate the slipping-through of the band



- 磨砂长形工件时，可是当打开砂带机背部的覆盖用以加工
- The end-to-end face grinding surface which is open at the back is also best appropriate to work long workpieces



吸尘器 (可选)
Dust collectors(Optional)



急停开关 (可选)
Emergency switch(Optional)

可选床脚 OPTIONAL EQUIPMENT



BSM-75A



BSM-75B



BSM-75G



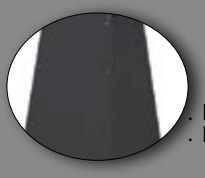
BSM-150A



BSM-150B



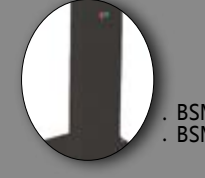
BSM-150G



BSM100x1220
BSM100x1524



BSM100x915
BSM100x1524



BSM100x2000GK
BSM180x2000GK

BELT SANDER

砂带机 BSM 100x1000/120x1500



BSM 100x1000

BSM 120x1500

机床技术参数 /Specification

型号	Model	BSM 100x1000	BSM 120x1500
货号	Code No.	6210000	6212000
砂带工作台尺寸	Dimension abrasive belt table	240x105 mm	480x125 mm
砂带尺寸	Dimension abrasive belt	100x1000 mm	120x1500 mm
机头倾斜角度	Tilt angle of head	90°	90°
支架高度	Stand height	750 mm	750 mm
机器重量	Weight of machine	49 kg	57 kg
底座尺寸	Dimension stand	800x500 mm	800x500 mm
底座工作台尺寸	Dimension stand table	300x400 mm	300x400 mm
双速电机	Dual-speed motor	400 V/50 HZ/3 PH, 1.1/1.5 KW	

TUBE GRINDING MACHINE

磨管器 TGM-3

优质、高效、高性价比

- 高转速皮带
- 有一个排尘口
- 强功率电机

Convincing arguments: quality, efficiency and price

- High belt speed
- There is an outlet for exhausion
- Powerful motor



- 砂带操作装置
- Sanding belt operating device



- 随机安装 $\Phi 26\text{mm}$ 的滚轴
- Grinding roller $\Phi 26\text{mm}$ with machine



- 滚轴尺寸 $\Phi 20$ 、 26 、 32 、 42 、 48 、 60 、 76mm
- Grinding roller size $\Phi 20$ 、 26 、 32 、 42 、 48 、 60 、 76mm

机床技术参数 / Specification

型号	Model	TGM-3
货号	Code No.	6703000
皮带尺寸	Belt dimension	100x2000 mm
电机功率	Motor rating	3 KW
转速	Speed	2905 rpm
皮带转速	Belt speed	30 m/s
磨管范围	Grinding area	$\Phi 20$ -76 mm
可调角度	Adjustable slide	30° - 90°
外形尺寸	Dimension	1200x600x1000 mm
包装尺寸	Paking size	1230x760x650 mm
净/毛重	NW/GW	145/177 kg

TGM-3

细节展示 Details



- 斜口向上能够快速更换滚轴
- Bevel up to quickly replace the grinding roller



- 独特的床身设计
- Original design of machine body



- 可旋转的快速夹紧装置
- Rotating clamping device



- 操作手柄, 可快速移动工件
- Operating handle, can move workpiece quickly

DRILL GRINDING MACHINE

磨刀机 GH 10T/GH 15T

优质、高效、高性价比

- 此款磨刀机 - 是研磨高速钢或碳合金材质麻花钻的理想工具
- 优质、高效与性价比：
- 易操作，可用于高精度低成本研磨双刃麻花钻 $\Phi 2$ -mm-13mm (GH10T) 和 $\Phi 2$ -mm-13mm (GH15T)
- 全新钻头 - 清洁，快速，好用
- 移动方便
- 金刚石砂轮，更加耐用，完美表现
- 床身装配 ER 弹簧夹头
- 通过移动弹簧夹头座就可磨削钻头

Convincing arguments: quality, efficiency and price

- Easy to use for precise and cost-effective grinding of double-edged twist drill $\Phi 2$ mm - 13 mm (GH10T) and $\Phi 2$ mm - 13 mm (GH15T)
- Drill bits with no previous experience - clean, fast and well
- Easy to transport.
- Diamond grinding stone with a long life for a perfect finish.
- Fully equipped with ER collets inside the machine
- The cutting edges of the drill can be fixed in a collet holder by means of the adjustment tool in a defined position and inserted in a predetermined order into the grinding openings to grind the cutting edges with a short rotational movement of the collet holder.



GH 15T

GH 10T

机床技术参数 /Specification

型号	Model	GH 10T	GH 15T
货号	Item No	6601080	6601580
电器容量	Electrical connection		
电压	Motor	180 W 230 V 1 Ph ~50 Hz	450 W 230 V 1 Ph ~50 Hz
参数	Technical data		
转速	Speed infinitely variable	5300 rpm	3000 rpm
刀头转动角度	Angle of the head sharpening	90° - 135°	90° - 145°
研磨能力	Grinding capacity drill	$\Phi 3$ mm - $\Phi 13$ mm	$\Phi 3$ mm - $\Phi 30$ mm
尺寸	Dimensions		
长	Length	330 mm	490 mm
宽	Width	190 mm	280 mm
高	Height	200 mm	310 mm
净重	Net weight	9 kg	33 kg

DRILL GRINDING MACHINE

磨刀机 GH 20T

优质、高效、高性价比

- 通过各种旋转和设置带来多功能用途
- 可磨削冲头，麻花钻，电极棒，车刀，车床顶尖，等等
- 结实的床身和震动驱动的精密磨销主轴带来的高精度
- 易处理，易操作
- 分度头带 24 锁紧位置和 5C 弹簧夹头
- 可调装置
- 通过回转和设置进行雕刻功能（圆柱形，同心，锥形的）
- 带卤素灯（仅限于单相）

Convincing arguments: quality, efficiency and price

- Universal use through versatile swivel and setting
- For grinding of punch, twist drill, electrodes, lathe tools, lathe centers, etc.
- High precision due to the robust body and machine vibration driven precision grinding spindle
- Easy handling and operation
- Index head with 24 locking positions and 5C collet
- adjustable stripping device
- Many slewing and settings for making engraving (cylindrical, concentric, tapered)
- Includes halogen light(only 1ph)



GH 20T

机床技术参数 /Specification

型号	Model	GH 20T
货号		6602180
速度	Speed	
砂轮转速	Speed of grinding wheel, diamond	5000 rpm
研磨转速	Grinding speed	max. 35 m/s
电机转速	Speed Motor	2800 rpm
行程	Travels	
刀架行程	Tavel tool holder	140 mm
刀架微调	Fine-tuning tool holder	18 mm
纵轴微调	Fine-tuning longitudinal axis	6 mm
可调角度	Adjustable angle	
垂直/向后	Vertical / back	0° - 40°
水平/研磨锥度	horizontal / taper grinding	0° - 180°
负角	negative angle	0° - 52°
可调角度	Angle adjustment	15° 180°
研磨设备	Grinding apparatus	
铣刀	Cutting mill	bis Ø 12 mm (delivery)
微调工具	Turning Tool	bis 21 x 21 mm
钻头	Drill	bis Ø 12 mm
立铣	End mill	bis Ø 12 mm (delivery)
筒架	Collet holder	
Typ5C	Typ 5C	Ø 1 mm - 16 mm
尺寸	Dimensions	
长x宽x高	Length x Width x Height	550x450x470 mm
净重	Net weight	46 kg



Spare wheel

corundum	310 0128
Diamond	310 0129

Standard accessories:

- 5 pcs collet chuck (4, 6, 8, 10, 12 mm)
- Corundum grinding wheel Ø 100 x 50 x Ø 20 mm
- Diamond grinding wheel Ø 100 x 50 x Ø 20 mm
- Belts
- Operating tool

DUST COLLECTION



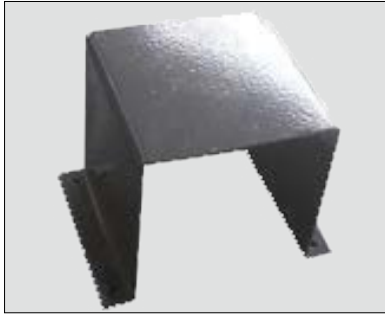
砂轮机吸尘器 GU 1/GU 2

优质、高效、高性价比

- 底盘坚固
- 床脚内置排风管，占据空间小
- 用于 GU、GU-S 等机器
- 静音效果好
- 带自动开关
- 带工作灯支架

Facts that impress in terms of quality, performance and price

- Sturdy chassis
- Cyclone suction integrated in the substructure, characterized small footprint
- For the equipment and GU GU-S
- silenced
- automatic switch
- lamp holder



工作灯支架 / lamp holder



金属抽屉 / swarf drawer



型号 Model	GU 1	GU 2
货号 Item No	61601000	6160200
电压 Electrical connection	230 V/1 Ph	400V/3Ph
电机功率 Motor power	1.3 kW	1.3KW x 2(two motor)
转速 Speeds	29000 rpm	29000 rpm
包装尺寸 Length x width x height	477x340x805 mm	525X440X815 mm
重量 Net weight	40 kg	60 kg

GRINDER



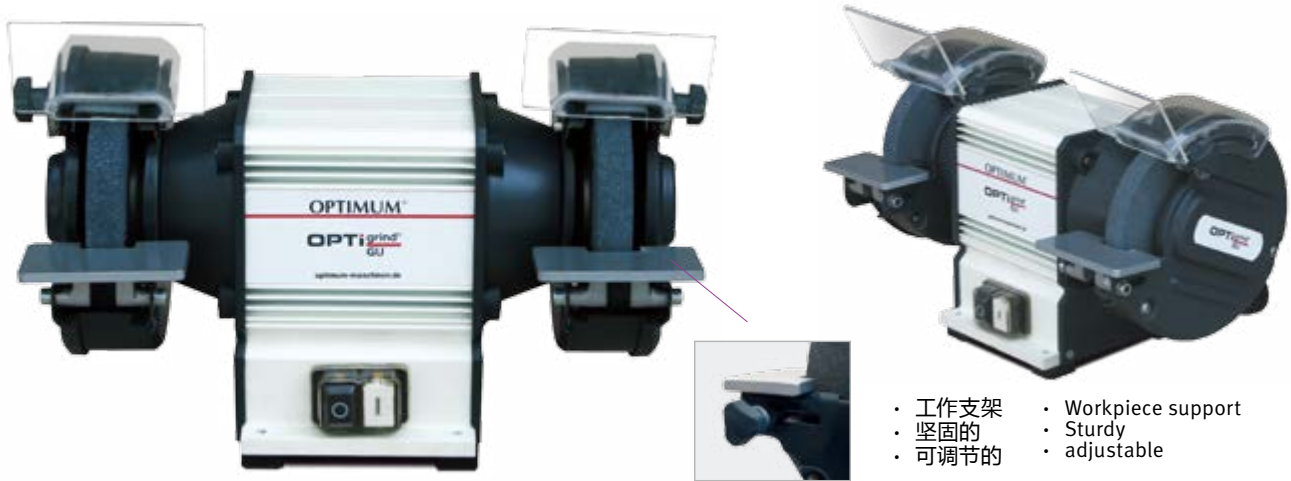
砂轮机 GU 15/18/20/25

优质、高效、高性价比

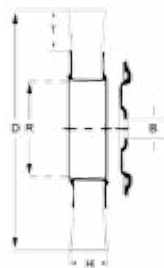
- 厚重耐用工业设计的电机，免维护，可持续使用
- 罩壳材质采用铸铝
- 做过动平衡的转子和高品质滚珠轴承带来更长使用寿命和静音效果
- 每边砂轮上的安全防护罩，防止火花溅出
- 可视护镜采用防碎材质，强度更高
- 采用减振橡胶垫
- 标配粗砂轮片和精砂轮片（K36/K60）

Facts that impress in terms of quality, performance and price

- Heavy, durable industrial design with maintenance-free motor for continuous use
- Housing made of strand cast aluminium
- Long service life and quiet action thanks to balanced rotor with quality ball bearings
- Spark guard on each grinding wheel reduces flying sparks
- Viewing glass made of break-proof material
- Vibration-damping rubber feet
- Coarse and fine grinding disc (K36/K60) included in standard scope of delivery



型号	Model	GU 15	GU 18	GU 20 / GU 20Vario	GU 25 / GU 25Vario
货号	Item No	6161500	6161800	6162000/6162100	6162500/6162600
电压	Electrical connection	230 V/1 Ph ~50 Hz	230 V/1 Ph ~50 Hz	230 V / 400 V	400 V/3 Ph ~50 Hz
电机功率	Motor power	450 W	450 W	600 W	1.5 kW
砂轮尺寸	Dimensions	Ø 150 x 20 mm Drill hole Ø 16 mm	Ø 175 x 25 mm Drill hole Ø 32 mm	Ø 200 x 30 mm Drill hole Ø 32 mm	Ø 250 x 40 mm Drill hole Ø 32 mm
砂轮最大转速	Speeds	2850 rpm	2850 rpm	2850 rpm	2850 rpm
砂轮转速	Speeds Vario	/	/	800 - 2850 rpm	800 - 2850 rpm
包装尺寸	Length x width x height	389 x 206 x 266 mm	389 x 233 x 279 mm	495 x 261 x 331 mm	471 x 319 x 365 mm
净重	Net weight	10.7 kg	12.3 kg	18.5 kg	32.5 kg



该磨床可以带钢刷子

This grinder can strip steel brush

Art no.	D	mm/inch	B	R	T	H	RPM max.	Qty	Meas
9231	150	6"	32mm with 1/2" 5/8" 3/4" 1" adaptors	30.2	30	20	6000	40	34X34X37
	175	7"	32mm with 1/2" 5/8" 3/4" 1" adaptors	30.2	30	20	6000	40	34X34X37
	200	8"	32mm with 1/2" 5/8" 3/4" 1" adaptors	30.2	48	25	4500	20	43X40X23
	250	10"	32mm with 1/2" 5/8" 3/4" 1" adaptors	30.2	50	30	4500	20	53X27X42

Universally deployable wet/dry grinding machine

万能可伸展式干湿两用磨刀机 NTS 251

NEW

优质、高效、高性价比

- 此款磨刀机是 DIY 爱好者和工艺专家的理想工具
- 可研磨、打磨，干湿两用
- 多种夹具可用于各种道具
- 采用第三方夹具，可进行高度调节夹持
- 特别开发的防水砂轮，更加耐用
- 加水使用时，仅 90rpm 低速运行，研磨时不会产生热，避免影响刀具硬度
- 锁定式启停开关，带急停开关
- 带皮革研磨盘、万能支架和角度设置表
- 移动方便

Convincing arguments: quality, efficiency and price

- Ideal for DIY enthusiasts and crafts professionals
- For wet and dry sanding and grinding
- Many holding devices for various tools available
- Third-party holding devices can be used on the height-adjustable clamp
- Specially developed, water-resistant grinding disk with a long service life
- Due to the low speed of just 90 rpm in combination with water, no heat is generated during grinding; this avoids affecting the tool hardness
- Lockable on/off switch with emergency stop
- Incl. leather honing disk, universal holder, and angle setting gauge
- Easy to transport



型号	Model	NTS 251
货号	Item No	6652500
技术参数	Technical data	
砂轮参数	Grinding stone dimensions	Max. Ø 250 x 50 mm
皮革研磨盘参数	Honing disk dimensions	Max. Ø 220 x 30 mm
转速	Speed	90 rpm
电机功率	Motor output	200 W
电压	Electrical connection	230 V/50 Hz
重量	Weight	16 kg
外形尺寸	Dimensions (L x W x H)	340 x 280 x 460 mm



角度设置表
Angle setting gauge

附件	Accessories
砂轮	Grinding stone Ø 245 x 50 mm
皮革研磨盘	Leather honing disk Ø 220 x 30 mm



夹具导轨 Holding device slide rail



磨削刀具 Grinding cutting tools



研磨斧头 Grinding hatchets and axes



研磨圆凿 Grinding gouges



研磨刨刀 Grinding planer knives



研磨刀具装置 Grinding device for knives



修整砂轮 Dressing the grinding stone



(粗/细) 修整砂轮
(Rough/fine) dressing of the grinding stone



研磨圆刀片 Grinding round blades



0-30°角度的研磨
Grinding at angles between 0-30°

附件	Accessories
准备斧头/切削刀具等	Preparing axes/cutting tools, etc.
圆凿夹具	Jig set for gouges
机床刨刀夹具	Machine planer blade jig *
刀片夹具	Jig for blades *
圆刀片夹具	Jig for round blades
多功能研磨工具, 0-30°	Multi-purpose grinding device, 0-30° *
研磨工具导轨	Slide rail for grinding devices
修整金刚石及夹具	Dressing diamond with holding device *
(粗/细)修整砂轮	Dressing grindstone rough/fine

带 * 的配件只能与夹具导轨结合使用
* This accessory can only be used in combination with slide rail



三步到达完美角度设置 The 3 steps to achieving a perfect angle setting:



1. 检查并判定裁切角
Step 1: Check and determine the cutting angle.



2. 设置裁切实际角度
Step 2: Setting the measured angle of cut.



3. 设置裁切角度的匹配高度
Step 3: Set the matching height for the cutting angle.

DRILL BIT MACHINE

磨刀机 GQ-D 13

优质、高效、高性价比

- 经济、方便地磨双刃麻花钻
- 简单操作无需磨钻头经验，干净、快捷且精度好
- 运输便捷
- 砂盘更换便捷
- 顺向磨削，方便操作
- 通过凸轮自动磨削尖端形状
- 坚固的塑料罩壳及防滑底座
- 金刚石研磨使用寿命长且表现优异

Convincing arguments: quality, efficiency and price

- Easy to operate for inexpensive grinding of twist drill bits with two cutting edges
- Drill bit grinding without prior experience - clean, fast and precise
- Easy to transport
- Easy replacement of the grinding disc
- Positively-driven sharpening action, thus easy to operate
- Automatic grinding of the tip geometry thanks to cam
- Robust plastic housing with anti-slip base
- Diamond grinding stone with long service life for the perfect grind



GQ-D 13



麻花钻调节

- 将麻花钻校准到合适角度

Adjustment of twist drill

- Twist drill is aligned in the overhang and in the appropriate angle



重磨麻花钻

- 通过一步一步轻微旋转

Regrind twist drill

- by slight rotation from stop to stop



减少钻头的尖刃

- 也是通过一步一步轻微旋转

Reducing the chisel edge

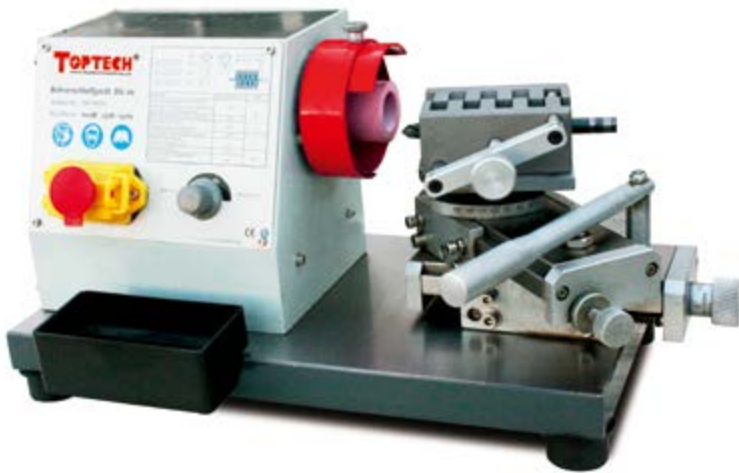
- also by slight rotation from stop to stop

机床技术参数 /Specification

型号	Model	GQ-D 13
货号	Item No	6601300
电器容量	Electrical connection	
电压	Motor	80 W 230 V 1 Ph ~50 Hz
参数	Technical data	
转速	Speed infinitely variable	4200 rpm
砂轮	Grinding wheel	Ø 78 mm
研磨能力	Grinding capacity drill	Ø 3 mm - Ø 13 mm
尺寸	Dimensions	
长 x 宽 x 高	Length x Width x Height	220 x 200 x 160 mm
净重	Net weight	2.5 kg

DRILL BIT MACHINE

磨 刀 机 DG 20



DG 20

机床技术参数 /Specification

型号	DG20
Model	
货号	6602000
Code No.	
转速	1400-7600 rpm
Continuous speed	
磨削速度	16 m/s
Grinding speed	
磨削直径能力	3-20 mm
Grinding diameter capacity	
磨削角度	90°-150°
Bit grinding angle	
砂轮外径	Ø40 mm
Cup wheel outside-Ø	
砂轮内径	Ø26 mm
Cup wheel inside-Ø	
砂轮螺孔	M10
Cup wheel thread-Ø	
砂轮内腔深度	22 mm
Cup wheel embedding	
尺寸	225x490x240 mm
Dimension (L x W x H)	
净重	23 kg
Net weight	
电机功率	600 W 230 V / 50 Hz
Motor power	
包装尺寸	510 x 280 x 270 mm
Packing size	

CHAMFER MACHINE

倒 角 机 MR-R300



R300 型 : 15° ~ 45° 直角倒角
Chamfer straight lin 15° ~ 45°



R 角倒角
Chamfer R angle

机床技术参数 /Specification

型号	Model	MR-R300
货号	Item No	6230000
倒角范围	Chamfering range	0-9 mm
倒角角度	Chamfering angle	15° ~ 45°
电源	Power	380 V 250 W
回转速	Speed	2800 rpm
包装尺寸	Dimension	380 x 240 x 245 mm
重量	Weight	12 kg

Velcro support



Pack of 5 pcs

Accessories	Item No
Velcro support	335 7801

Grinding disks - Velcro fastener*	
Grain 40	335 7854
Grain 60	335 7856
Grain 80	335 7858
Grain 100	335 7860
Grain 120	335 7862
Grain 150	335 7865

*Packing and price unit 5 pcs.

Grinding belts	
Size: 75 x 1'180 mm	
Grain 40	335 7622
Grain 60	335 7624
Grain 80	335 7626
Grain 120	335 7628



Grinding disc	
Ø 150 mm	
Grain 40	335 7832
Grain 60	335 7834
Grain 80	335 7836
Grain 120	335 7838



Pack of 5 pcs
Grain 40 to grain 120

Velcro disk	335 7802
for grinding disk	
* Packing and price unit 5 pcs.	

Grinding belts BSM 75	Item No
Grain 40	335 7642
Grain 60	335 7644
Grain 80	335 7646
Grain 120	335 7648

Grinding belts BSM 150	
Grain 40	335 7672
Grain 60	335 7674
Grain 80	335 7676
Grain 120	335 7678



Wall bracket	310 7050
• Coolant tray	
• Dimensions L x W x H: 332x300x230 mm	



Machine substructure	310 7100
• Dimensions L x W x H: 320x270x820 mm	



Machine substructure SSM	310 7101
• Shelf and coolant tray	
• Dimensions L x W x H: 345x300x785 mm	



Machine substructures for SM	
SM	310 7100
• for SM 150 to SM 250	
• L x W x H: 320 x 270 x 820 mm	

SSM	310 7101
• for SM 150 to SM 250	
• Shelf and coolant tray	
• L x W x H: 345 x 300 x 785 mm	

SM 300	310 7103
• for double grinder up to SM 300	
• Shelf and coolant tray	
• L x W x H: 505 x 600 x 790 mm	



Fig.: SM



Fig.: SSM

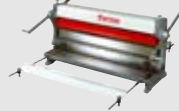


Fig.: SM 300



METAL SHEET WORKING MACHINE

FP30/RB30	G3
RBM 610-8	G4
RBM1300-15E	G5
RBM 30HV	G6
MS125/150/200/300.....	G7
DDP10/20/30/50	G8
SAR750/1000/1320	G9
ESF.....	G11
W 62Y	G12
W67K	G13
W67Y(EPB)	G15
FSB 1270/2450.....	G17
QH11D	G18
QC 12Y	G19
QC 12K	G21
HPS	G23
HSP	G25
HSPD.....	G26
HWP	G27
Vice and Table.....	G29
B.TOOL kit 63pcs.....	G37



MANUAL BENDING MACHINE

手动折弯机 FP 30

机床技术参数 /Specification

型号	FP30
Model	
产品编号	7200300
Code No.	
适用最大厚度	2 mm
Max.plate thickness	
适用最大长度	300 mm
Max.plate length	
净重 / 毛重	10.5/11 kg
NW/GW	
外形尺寸	340X50X635 mm
Dimension	
包装尺寸	445X270X290 mm
Packing size	



FP 30

MANUAL ROLLING MACHINE

手动卷板机 RB 30

机床技术参数 /Specification

型号	RB30
Model	
货号	7300300
Code No.	
适用最大厚度	2 mm
Max.plate thickness	
适用最大长度	300 mm
Max.plate length	
适用最大直径	Ø5 mm
Max.diameter	
净重 / 毛重	11/12 kg
NW/GW	
外形尺寸	495X215X95 mm
Dimension	
包装尺寸	465X275X140 mm
Packing size	



RB 30

MANUAL ROLLING MACHINE

手动卷板机 RBM 610-8



优质、高效、高性价比

- 3卷不对称辊的卷板机
- 高强度钢轧辊
- 顶辊固定, 后辊及下辊可调
- 电动卷板(RBM1300-15E)
- 标准系列的线芯槽
- 打开凸轮锁使上辊向外摆动
- 可加工圆锥形工件

Convincing arguments: quality, efficiency and price

- Asymmetrical roll bending machine with 3rolls
- High strength steel rolls
- Fixed top roller, adjustable lower and rear rollers
- Worm gear and motor for prebending(RBM1300-15E)
- Standard series wire core groove
- Top roll swings out across cam lock
- Supplied with conical bending feature



机床技术参数 /Specification

型号	Model	RBM 610-8
货号	Item No.	7306100
最大卷板厚度	Max rolling thickness	0.8 mm
最大卷板长度	Max rolling length	610 mm
轧辊直径	Roller diameter	Ø40 mm
工件尺寸	Workpiece diameter(min)	Ø60 mm
轧辊转速	Rolling speed	-
电机功率	Motor power	-
净重/毛重	NW./GW.	46/49 kg
包装尺寸	packing size	910x400x400 mm

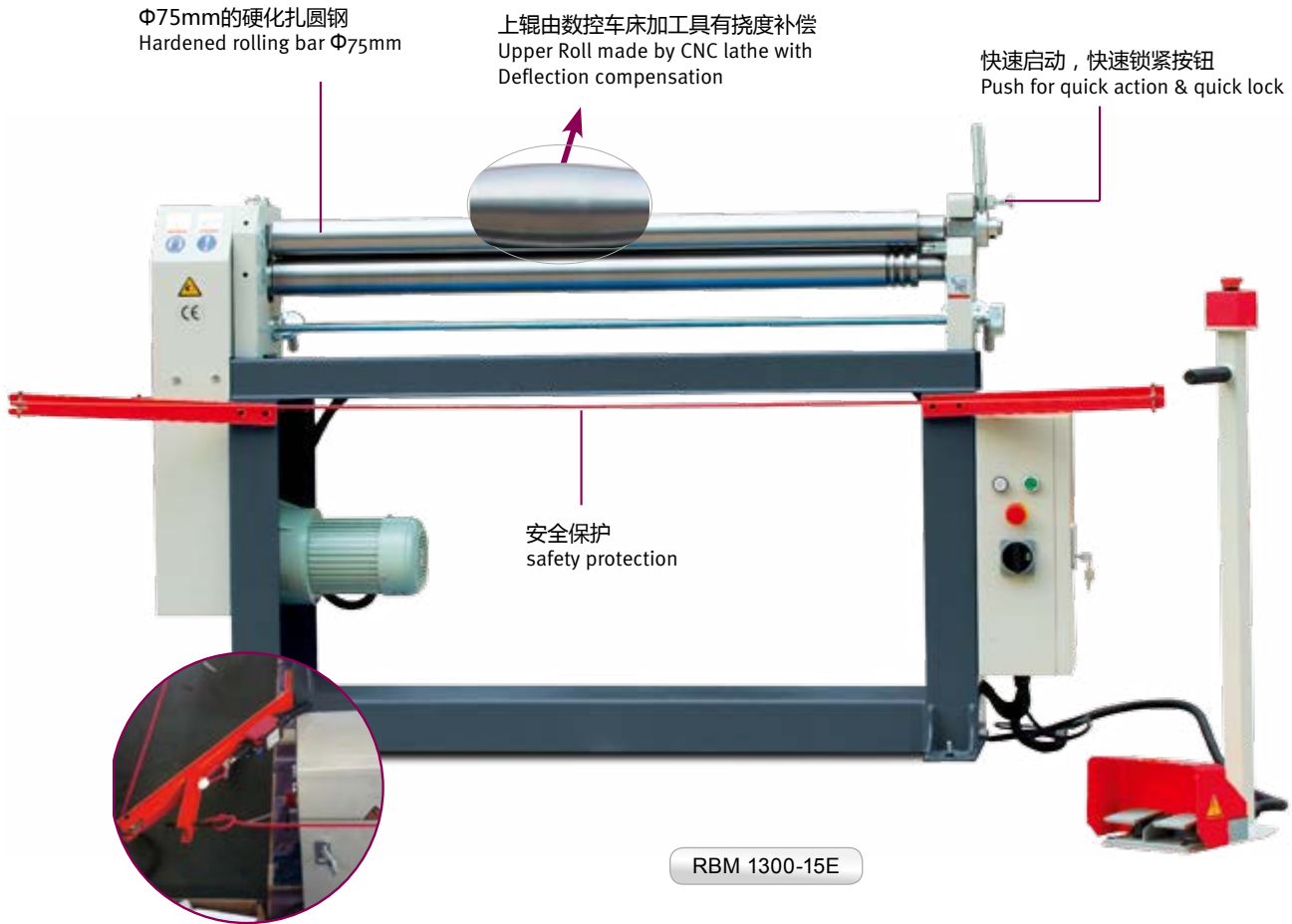


· 快速启动, 快速
锁紧按钮
Push for quick
action & quick
lock

RBM610-8

MOTOR RISE ROLLING MACHINE

电动卷板机 RBM 1300-15E



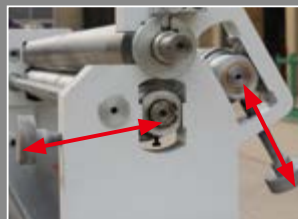
机床技术参数 /Specification

型号	Model	RBM 1300-15E
货号	Item No.	7321300
最大卷板厚度	Max rolling thickness	1.5 mm
最大卷板长度	Max rolling length	1300 mm
轧辊直径	Roller diameter	Ø75 mm
工件尺寸	Workpiece diameter(min)	Ø115 mm
轧辊转速	Rolling speed	3.6 m/min
电机功率	Motor power	0.75 KW/400 V
净重/毛重	NW./GW.	350/385 kg
包装尺寸	packing size	1850x570x1200 mm

细节展示 Details



- 电动升降及轧辊平衡系统
- Motor rise and rolling bar balance system



- 快速启动
- 工作时可轻易调整
- Quick action for take out parts
- Easy adjustment for working



- 工件样品
- Workpiece sample

ELECTRIC ROUND BENDING MACHINE



电 动 卷 圆 机 RBM 30HV

- To mould in and to crush bearings, mandrels, bushings, spindles, pins
 - Stable construction
 - Body made of high-grade grey casting
 - Variably adjustable lever rod
 - Quadruple positionable base plate
 - To be fixed on a bench
 - 4 different types
- 用于成模和压轴承、芯棒、轴套、主轴、定位销等
 - 稳定的结构
 - 机器由高级灰口铸铁制造
 - 杠杆臂可以各种调节
 - 四方定位底座
 - 固定在工作台上
 - 4 种不同类型



立式加工 Work for Vertical

RBM 30HV

机床技术参数 /Specification

型号	Model	RBM30HV
最大工件尺寸	Max.capacity	7620300
空心管	Pipe steel	ø50x2 mm
方管	Square tube steel	40x40x3 mm
实心管	Round steel	ø30 mm
扁钢	Flat steel	50x15 mm
辊轴尺寸	Diameter of roller shaft	ø30 mm
弯管速度	Rotate speed	9 rpm
电机功率	Motor Power	1.1 kW
外形尺寸	Overall dimension	1000x620x1400 mm
净重/毛重	NW./GW.	260/280 kg
包装尺寸	Packing size	1120x690x1170 mm

卧式加工 Work for Horizontal



MANUAL SHEARING MACHINE MS

手动剪板机 MS 125/150/200/300



MS 125



MS 150



MS 200



MS 300

机床技术参数 /Specification

型号	MS125	MS150	MS200	MS300
Model	MS125	MS150	MS200	MS300
货号	7101250	7101500	7102000	7103000
Code No.	7101250	7101500	7102000	7103000
刀口长度	120mm	150 mm	200 mm	300 mm
Length of blade	120mm	150 mm	200 mm	300 mm
适用最大厚度	3mm	3 mm	3 mm	3 mm
Max.plate thickness	3mm	3 mm	3 mm	3 mm
适用最大管径	Ø10mm	Ø13 mm	Ø13 mm	Ø14 mm
Max.diameter	Ø10mm	Ø13 mm	Ø13 mm	Ø14 mm
净重 / 毛重	8.7/10kg	10.7/12 kg	18.5/21 kg	23/25 kg
NW/GW	8.7/10kg	10.7/12 kg	18.5/21 kg	23/25 kg
外形尺寸	150x100x940mm	330x120x972 mm	395x150x1000 mm	495x150x1350 mm
Dimension	150x100x940mm	330x120x972 mm	395x150x1000 mm	495x150x1350 mm
包装箱尺寸	240x145x305mm	380x145x350 mm	405x165x420 mm	430x160x515 mm
Packing size	240x145x305mm	380x145x350 mm	405x165x420 mm	430x160x515 mm

ARBOR PRESS

手动压力机 DDPI0/DDP20/DDP30/DDP50

- To mould in and to crush bearings, mandrels, bushings, spindles, pins
 - Stable construction
 - Body made of high-grade grey casting
 - Variably adjustable lever rod
 - Quadruple positionable base plate
 - To be fixed on a bench
 - 4 different types
- 用于成模和压轴承、芯棒、轴套、主轴、定位销等
 - 稳定的结构
 - 机器由高级灰口铸铁制造
 - 杠杆臂可以各种调节
 - 四方定位底座
 - 固定在工作台上
 - 4种不同类型



机床技术参数 /Specification

型号	Model	DDP 10	DDP 20	DDP 30	DDP 50
产品编号	Item No	7400018	7400028	7400038	7400058
技术参数	Technical data				
工件最大高度	Height of workpiece max.	123 mm	195 mm	310 mm	485 mm
行程	Throat	95 mm	135 mm	160 mm	226 mm
尺寸	Dimension				
外形尺寸	Length x width x height	340x280x150 mm	450x180x460 mm	500x240x640 mm	710x340x920mm
悬臂尺寸	Ram size (L x W x H)	25 x 25 x 245 mm	31 x 31 x 336 mm	40 x 40 x 455 mm	50 x 50 x 646 mm
净重	Net weight	15.5 kg	32 kg	55 kg	154 kg
标准附件	Standard equipment	Quadruple positionable plate四方定位块			

Force effect		DDP 10		DDP 20		DDP 30		DDP 50	
Manual force	F1	392.4 N (40 kg)	589 N (60 kg)	392.4 N (40 kg)	589 N (60 kg)	392.4 N (40 kg)	589 N (60 kg)	392.4 N (40 kg)	589 N (60 kg)
Long lever arm	S1	305 mm		405 mm		540 mm		850 mm	
Force effect	F2	7480 N (763 kg)	11220 N (1143 kg)	8364 N (853 kg)	12555 N (1280 kg)	7705 N (786 kg)	11566 N (1179 kg)	10251 (1045 kg)	15372 (1567 kg)

SHEET METAL WORKING MACHINE 3 IN 1

卷管、折弯、剪切三合一机床 SAR750/1000/1320

优质、高效、高性价比

- 稳定的现代设计钢结构
- 高强度剪切刀口，可以分段剪切，
- 弹簧下压与夹紧，可移动分段式剪切刀口
- 左右两侧加长手柄杆
- 长形高强度铸件工作台
- 加长型压板便于加工大尺寸板材

Convincing arguments: quality, efficiency and price

- Modern design of stable steel structure
- High-grade cant-off jaws Segment-divided cant-off bar, holding down clamp with spring, Removable segment of the cant-off jaw provided levers
- Operation by two laterally provided levers
- Long supporting surface
- Extendable support arm for safe putting on of the large size sheet metals



延伸支架 Extend bracket

SAR 750/1000



床脚 Stand

- FS750-1 for SAR750
- FS1000-1 for SAR1000
- FS1320-1 for SAR1320

机床技术参数 /Specification

型号	Model	SAR750	SAR1000	SAR1320
货号	Code No.	7160750	7161000	7161320
最大卷管宽度	Max.width of material	763 mm	1016 mm	1320 mm
最小卷管直径	Diameter bending min.	48 mm	48 mm	62 mm
最大卷管直径	Diameter bending max.	unlimited(无限)	unlimited(无限)	unlimited(无限)
卷管钢板厚度	Steel plate ST37 up to	1 mm	1 mm	1 mm
卷管不锈钢厚度	Stainless steel up to	1 mm	1 mm	1 mm
卷管铝 / 铜厚度	Aluminium/copper up to	2 mm	2 mm	2 mm
卷管黄铜厚度	Brass up to	1 mm	1 mm	1 mm
卷管金 / 银 / 马口铁厚度	Gold/silver/tinplate up to	2 mm	2 mm	2 mm
最大折弯宽度	Max.width of material	763 mm	1016 mm	1320 mm
折弯钢板厚度	Steel plate up to	1 mm	1 mm	1 mm
折弯铝 / 铜厚度	Aluminium/copper up to	2 mm	2 mm	2 mm
折弯段数	Number of segments	6	7	8
最大剪切宽度	Max.width of material	763 mm	1016 mm	1320 mm
剪切钢板厚度	Steel plate up to	1.5 mm	1.5 mm	1.5 mm
剪切不锈钢厚度	Stainless steel up to	0.7 mm	0.7 mm	0.7 mm
折弯铝 / 铜厚度	Aluminium/copper up to	1 mm	1 mm	1 mm
尺寸	Dimension (L X W X H)	980x370x550 mm	1335x455x620 mm	1700x490x710 mm
净重 / 毛重	N.W./G.W.	251/260 kg	280/308 kg	420/476 kg
包装尺寸	Packing size	1182x562x812 mm	1440x570x835 mm	1700x610x920 mm

操作展示 Operating



- 按照材料厚度比例调整螺钉
- 将工件插入二压辊中间夹紧，旋转操作杆使之卷管
- Setting screw for the material thickness with scaling
- Ground bending rolls with wire insertion groove on the lower and front



- 高强度剪切刀口，可以分段剪切
- 弹簧下压与夹紧，可移动分段式剪切 40/50/65/100/180/255/380mm
- High-grade cant-off jaws Segment-divided cant-off bar
- Holding down clamp with spring Removable segment of the cant-off jaw 40 / 50 / 65 / 100 / 180 / 255 / 380mm



- 加长力臂压杆，操作省力
- 前部可伸展支撑臂，后部可安放材料
- Large, adjustable and easy-to-use leverarms
- Extendable supporting arm in the front and rear for safe putting on of material

E-TYPE PAN BRAKE

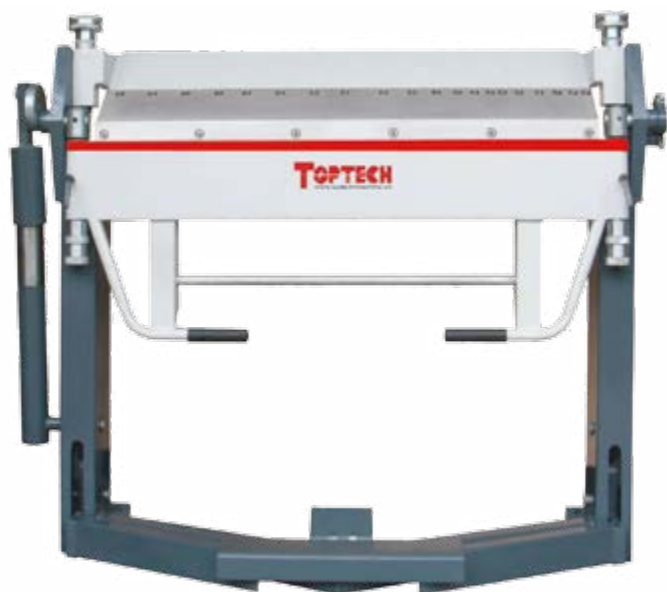
手动折边机 ESF 1020/ESF 1260/ESF 1500/ESF 2060

优质、高效、高性价比

- 各种型材折边
- 使用压缩弹簧，平衡刀模
- 使用凸轮锁紧和缓冲弹簧
- 弓型手柄方便折边杠转动
- 刻度达 135° 的角度折边
- 分段式刀模

Convincing arguments: quality, efficiency and price

- For formed component bending
- Compression spring for top beam counterbalance
- Cam lock and rebound spring for bending beam counterbalance
- Bow handle for bending beam rotation
- Adjustable bending angle stop with scale up to 135°
- Segmented top beam tools



ESF 1020A



B type with dividing tooling
分离式下刀口

ESF 1020B

机床技术参数 /Specification

型号 Model	ESF1020(A)/ESF1020(B)	ESF1260(A)/ ESF1260(B)	ESF1500(A) /ESF1500(B)	ESF2060
货号 Code No.	7201020/ 7201021	7201260/ 7201261	7201500/ 7201501	7202060
折弯长度 Bending length	1020 mm	1260 mm	1500 mm	2060mm
低碳钢折弯厚度 Folding thickness for mild steel	2 mm	2 mm	1.6 mm	1.6 mm
最大折弯角度 Max. folding angle	135°	135°	138°	138°
外形尺寸 Dimension	1400x950x1200 mm	1600x950x1200 mm	1900x950x1200 mm	2400x950x1200 mm
净重 Net weight	260 kg	320 kg	450 kg	650 kg

HYDRAULIC PLATE PRESS BRAKE

液压折边机 (数显) W 62Y

优质、高效、高性价比

- 全钢板焊接结构, 经振动时效处理, 变形量小, 保证精度。
- 采用液压驱动, 能耗低, 维修简易, 经久耐用。
- 上压模分段组合, 适合于盘、盒类工

- 件的制作,
- 开口高度达成协议 110mm
- 折弯角度和后挡料为数控系统控制, 快速、准确 (可选)

标准配置:

- OMRON 光电开关
- 电动后挡料,
- 液压系统 (海德克台湾)
- 电器元件 (西门子和施耐德)

Convincing arguments: quality, efficiency and price

- The machine tool is full welded-steel plate construction. After vibration aging treatment, the deformation is minor so that the accuracy can be ensured
- Machine is hydraulically powered, it is low energy consumption, easy to maintenance and durable in use
- Upper acting die is sub-portfolio with the open height up to 110mm and suitable for producing disk, box like workpieces.
- The bending angle and back gauge is controlled by numerical control system, rapidly and accurately (optional).

Standard Configuration:

- With OMRON optoelectronic switch, rear light barrier for operating safety
- Power backstop
- Heidecke Hydraulic system made in Taiwan
- With Hilary Schneider or Siemens electronic control system, rapidly and accurately (optional).



机床技术参数 / Specification

W62Y-4x1320

产品型号	产品编号	最大可折板厚度	最大可折板宽度	折边回转角度	上梁最大开口	主电机功率	铁托包装尺寸	净 / 毛重
Model No.	Item No.	Max folding thickness	Max. folding width	Evolving angle of the bending beam	Max. lift of the upper beam	Main motor power	Packing size L x W x H(mm)	N.W/G.W(Kg)
W62Y-2x2500	7231010	2 mm	2500 mm	120°	110 mm	2.2 KW	3300x850x1550	1700/1900
W62Y-3x2500	7231020	3 mm	2500 mm	120°	110 mm	4 KW	3450x1130x1800	3100/3300
W62Y-3x3200	7231030	3 mm	3200 mm	120°	110 mm	4 KW	4150x1130x1800	3800/4000
W62Y-3x4000	7231040	3 mm	4000 mm	120°	110 mm	4 KW	4900x1150x1900	6100/6300
W62Y-4x1320	7231050	4 mm	1320 mm	120°	110 mm	4 KW	2270x1130x1800	1800/2000
W62Y-4x2000	7231060	4 mm	2000 mm	120°	110 mm	5.5 KW	2900x1130x1700	2500/2700
W62Y-5x2500	7231070	5 mm	2500 mm	120°	110 mm	5.5 KW	3500x1130x1800	4000/4200
W62Y-5x3200	7231080	5 mm	3200 mm	120°	110 mm	5.5 KW	4150x1130x1900	5500/5700

CNC HYDRAULIC PLATE PRESS BRAKE

数控液压折弯机 W67K

优质、高效、高性价比

- 全钢焊接结构，振动消除应力，机械强度高、刚性好。
- 液压上传动，平衡可靠。
- 机械挡块，扭轴同步，精度高。
- 后挡料距离、上滑块行程，电动调节、
- 手动微调装置、数字显示。
- 上模配有挠度补偿机构，250 吨和长度 4000mm 以上机床可采用下挠度补偿机构。
- 新型前托料（左右上下移动）。

标准配置：

- 数控系统 E200(伺服控制)，悬挂臂安装
- 后挡料，滚珠丝杠（台湾 ABBA）+ 直线导轨
- 二选一：1. 后防护为防护门
2. OMRON 光电开关
- 液压系统（力士乐）
- 电器元件（西门子和施耐德）

可选附件

- PRG920 数控
- DA41 数控
- DA51 数控
- 安全光幕

Convincing arguments: quality, efficiency and price

- Steel -welded construction ,vibration to eliminate stress, with high strength and good rigidity .
- Hydraulic top-drive, steadiness and rdliability.
- Mechanical stop, steel torsion bar to maintain synchronization, high precision.
- Motorized -adjusting device of backgauge and rams stroke ,fine adjusting by handwheel ,numerical display.
- Deflection compensation unit installed on the top die.
- Manual crowned bottom die holder is adopted for the machine above 250ton length 4000mm.
- New meterial holding device (X,Z axis moving easily)

Standard Configuration:

- With E200 positioning controller
- Rear stop with retract function to avoid collisions during bending (With ABBA ball screw made by Taiwan +With linear guide)
- Alternative: 1.Rear light barrier for operating safety
2.OMRON optoelectronic switch
- Lux hydraulic system
- With Hilary Schneider or Siemens electronic

OPTIONAL EQUIPMENT

- PRG920 CNC system
- DA41 CNC system
- DA51 CNC system
- Light curtain for operating safety





机床技术参数 /Specification

W67K-125/3200

产品型号	产品编号	公称力	工作台宽度	立柱间距离	喉口深度	滑块行程	工作台面与滑块	滑块行程调节量	主电机功率	铁托包装尺寸	净 / 毛重
Model No.	Item No.	Nominal force	Length of working tabel	Distance between frames	Throat depth	Ram travel	Max open height	Ram travel adjustment	Main motor(KW)	Packing size (mm)	N.W/G.W(Kg)
W67K-30/1320	1620100	300 KN	1320 mm	1140 mm	200 mm	80 mm	320 mm	60 mm	3	1940×1510×1905	2000/2200
W67K-40/1320	1620200	400 KN	1320 mm	1120 mm	200 mm	100 mm	340 mm	80 mm	4	1950×1600×2070	2200/2450
W67K-40/2000	1620300	400 KN	2000 mm	1800 mm	200 mm	100 mm	340 mm	80 mm	4	2550×1500×2200	3500/3750
W67K-40/2500	1620400	400 KN	2500 mm	2300 mm	200 mm	100 mm	340 mm	80 mm	4	3100×1500×2200	3850/4150
W67K-63/2500	1620500	630 KN	2500 mm	2260 mm	250 mm	100 mm	355 mm	80 mm	5.5	3100×1600×2280	4800/5100
W67K-63/3200	1620600	630 KN	3200 mm	2960 mm	250 mm	100 mm	355 mm	80 mm	5.5	3800×1725×2355	5600/5950
W67K-80/2500	1620700	800 KN	2500 mm	2240 mm	250 mm	100 mm	355 mm	80 mm	7.5	3100×1725×2280	6600/6950
W67K-80/3200	1620800	800 KN	3200 mm	2940 mm	250 mm	100 mm	355 mm	80 mm	7.5	3900×1700×2300	6500/6900
W67K-80/4000	1620900	800 KN	4000 mm	3740 mm	250 mm	100 mm	355 mm	80 mm	7.5	4700×1600×2300	7800/8100
W67K-100/2500	1621000	1000 KN	2500 mm	2210 mm	320 mm	120 mm	415 mm	100 mm	7.5	3200×1850×2560	7300/7700
W67K-100/3200	1621100	1000 KN	3200 mm	2910 mm	320 mm	120 mm	415 mm	100 mm	7.5	3900×1850×2700	8100/8500
W67K-100/4000	1621200	1000 KN	4000 mm	3710 mm	320 mm	120 mm	415 mm	100 mm	7.5	4750×1850×2800	9200/9600
W67K-125/3200	1621300	1250 KN	3200 mm	2910 mm	320 mm	120 mm	415 mm	100 mm	7.5	3900×1850×2700	8150/8500
W67K-125/4000	1621400	1250 KN	4000 mm	3710 mm	320 mm	120 mm	415 mm	100 mm	7.5	4700×1900×2560	10800/11200
W67K-160/3200	1621500	1600 KN	3200 mm	2830 mm	320 mm	200 mm	455 mm	160 mm	11	3900×1800×2580	11800/12200
W67K-160/4000	1621600	1600 KN	4000 mm	3630 mm	320 mm	200 mm	455 mm	160 mm	11	4700×2200×2580	13500/14000
W67K-200/3200	1621700	2000 KN	3200 mm	2800 mm	320 mm	200 mm	455 mm	160 mm	15	3900×2200×3000	14500/14900
W67K-200/4000	1621800	2000 KN	4000 mm	3600 mm	320 mm	200 mm	455 mm	160 mm	15	4800×2280×3000	15400/158000
W67K-250/3200	1621900	2500 KN	3200 mm	2850 mm	400 mm	250 mm	560 mm	200 mm	18.5	3900×2280×3000	16000/16500
W67K250/4000	1622000	2500 KN	4000 mm	3650 mm	400 mm	250 mm	560 mm	200 mm	18.5	4800×2300×3600	23000/23500
W67K-300/3200	1622100	3000 KN	3200 mm	2720 mm	400 mm	250 mm	560 mm	200 mm	22	4000×2300×3500	21000/21500
W67K-300/4000	1622200	3000 KN	4000 mm	3520 mm	400 mm	250 mm	560 mm	200 mm	22	4600×2300×3200	23000/23600
W67K-400/3200	1622300	4000 KN	3200 mm	2800 mm	400 mm	320 mm	630 mm	270 mm	30	3800×2680×3440	30000/30600
W67K-400/4000	1622400	4000 KN	4000 mm	3600 mm	400 mm	320 mm	630 mm	270 mm	30	4600×2680×3520	32000/32600

细节展示 Details



· 可靠的模具夹紧装置
· Reliable clamping



· 后挡料装置
· Back gauge



· 可靠的西门子电器
· Reliable Siemens electronic

HYDRAULIC PLATE PRESS BRAKE

液 压 板 料 折 弯 机 W 67Y (EPB)

优质、高效、高性价比

- 全钢焊接结构，振动消除应力，机械强度高、刚性好。
- 液压上传动，平衡可靠。
- 机械挡块，扭轴同步，精度高。
- 后挡料距离、上滑块行程，电动调节、
- 手动微调装置、数字显示。
- 上模配有挠度补偿机构，250 吨和长度 4000mm 以上机床可采用下挠度补偿机构。

可选附件

- E10 数显
- Siko 数显
- NC89 数显

OPTIONAL EQUIPMENT

- E10 digital display
- Siko digital display
- NC89 digital display

Convincing arguments: quality, efficiency and price

- Steel -welded construction ,vibratation to eliminate stress, with high strength and good rigidity .
- Hydraulic top-drive, steadiness and rdliability.
- Mechanical stop, steel torsion bar to maintain synchronization, high precision.
- Motorized -adjusting device of backgauge and rams stroke ,fine adjusting by handwheel ,numerical display.
- Deflection compensation unit installed on the top die.
- Manual crowned bottom die holder is adopted for the machine above 250ton length 4000mm.



W67Y

机床技术参数 /Specification

型号	产品编号	公称力	工作台长度	立柱间距离	喉口深度	滑块行程	开启高度	工作速度	主电机功率	铁托包装尺寸	净 / 毛重
Model	Code No.	Nominal	Length of	The distance	The depth	Slide	Open	Working Speed	Main motor(KW)	Packing size (mm)	N.W/G.W(Kg)
W67Y-30/1300	7232010	300KN	1300mm	1080mm	200mm	80mm	275mm	12mm/s	3	1950×1420×2100	2000/2200
W67Y-30/1600	7232020	300KN	1600mm	1190mm	200mm	100mm	300mm	12mm/s	4	1950×1420×2100	2200/2450
W67Y-30/2000	7232030	300KN	2000mm	1590mm	200mm	100mm	300mm	12mm/s	5.5	2550×1500×2200	3500/3750
W67Y-30/2500	7232040	300KN	2500mm	2090mm	200mm	100mm	300mm	12mm/s	5.5	3100×1500×2200	3850/4150
W67Y-40/2000	7232050	400KN	2000mm	1590mm	200mm	100mm	300mm	8mm/s	5.5	3100×1600×2280	4800/5100
W67Y-40/2500	7232060	400KN	2500mm	2090mm	200mm	100mm	300mm	8mm/s	5.5	3800×1650×2280	5800/6200
W67Y-50/2500	7232070	500KN	2500mm	1900mm	250mm	120mm	300mm	8mm/s	7.5	3100×1650×2300	6000/6300
W67Y-50/3200	7232080	500KN	3200mm	2600mm	250mm	120mm	300mm	8mm/s	7.5	3900×1700×2300	6500/6900
W67Y-63/2500	7232090	630KN	2500mm	2050mm	250mm	100mm	360mm	8mm/s	7.5	4700×1600×2300	7800/8100
W67Y-63/3200	7232100	630KN	3200mm	2600mm	250mm	100mm	360mm	8mm/s	7.5	3200×1700×2560	7500/7900
W67Y-80/3200	7232110	800KN	3200mm	2600mm	250mm	100mm	360mm	8mm/s	7.5	3900×1800×2560	8100/8400
W67Y-100/3200	7232120	1000KN	3200mm	2600mm	320mm	130mm	390mm	8mm/s	7.5	4700×1900×2560	10000/10500
W67Y-100/4000	7232130	1000KN	4000mm	3200mm	320mm	130mm	390mm	8mm/s	7.5	3900×1800×2560	8500/8800
W67Y-125/3200	7232140	1250KN	3200mm	2600mm	320mm	130mm	390mm	8mm/s	7.5	4700×1900×2560	10800/11200
W67Y-160/3200	7232150	1600KN	3200mm	2600mm	320mm	200mm	470mm	8mm/s	11	3900×1800×2580	11800/12200
W67Y-300/5000	7232160	3000KN	5000mm	4080mm	400mm	250mm	560mm	6mm/s	11	4700×2200×2580	13500/14000

细节展示 Details



- 可靠的模具夹紧装置
- Reliable clamping



- 后挡料装置
- Back gauge



- OMG 阀组, JS 卡套接头
- OMG valve, JS connector



- 可靠的西门子电器
- Reliable Siemens electronic



- 施耐德行程开关
- Schneider limited switch



- 铝合金有机板后安全防护
- Back safety door with micro switch

E-TYPE PAN BRAKE

脚踏剪板机 FSB 1270/FSB 2450

优质、高效、高性价比

- 刀口为 T10 材料，剪切性能佳
- 上下刀口间隙可调，可剪硬的钢板，软的布匹
- 压料板装有机玻璃，便于观察
- 滑轨灵活

Convincing arguments: quality, efficiency and price

- Knife edge of T10 material, good shear properties
- Adjustable upper and lower blade gap, can be cut hard steel, soft cloth
- Pressure plate mounted glass for easy observation
- Flexible Rail



机床技术参数 /Specification

型号	Model	FSB 1270	FSB 2450
货号	Code No.	7111270	7112450
剪切厚度	Cut Thickness	1.2 mm	1.0 mm
下刀口长度	Length of the knife	1270 mm	2450 mm
剪切长度	Cut Length	1250 mm	2400 mm
外形尺寸	Dimension	1600x750x1100 mm	2880x800x1150 mm
净重	Net weight	300 kg	500 kg

TRUECUT MECHANICAL SHEARING MACHINE

精密剪板机 QH 11D

优质、高效、高性价比

本机床一改传统机械剪板机的传动形式，是目前国内外一致公认的最先进的小型剪板机之一。该机吸取国内外先进技术，采用电磁式盘形制动装置，其传动方式由电机带动装有减速器的轴转动，受选择性脚踏开关的控制呈瞬时接合，较小的剪切角度倾斜的剪切方向盘，使加工件的弯曲变形降低到最低限度。刀片间隙的调整采用手动快调装置，能非常简便地获得满意的刀片间隙。是金属非金属板材理想的加工剪裁切设备。

Convincing arguments: quality, efficiency and price

This machine is different from the traditional driving method of mechanical shearers, its one of the most advanced miniature mechanical shearers and enjoys good reputation both at home and abroad. A brake motor driving through a shaft mounted speed reduction unit and controlled by a selector switch for single or continuous strokes provides quite instantaneous agreement. The low cutting angle and inclined shearing direction reduces bowing and twist to a minimum. Blade clearance is easily set by a manually operated "Quickset" device, its an ideal truecut machining equipment of sheet metal and nonferrous sheet metal.



QH 11D

机床技术参数 /Specification

型号	Model	QH11D 3.2x1500	QH11D 3.2x2000	QH11D 3.2x2500	QH11D 3.2x3050	QH11D 3.5x1250
货号	Code No.	7132010	7132020	7132030	7132040	7132110
可剪板厚	Shearing thickness	3.2 mm	3.2 mm	3.2 mm	3.2 mm	3.5 mm
可剪板宽	Shearing width	1500 mm	2000 mm	2500 mm	3050 mm	1250 mm
剪切角	Shearing angle	1°30'	1°45'	1°18'	1°30'	1°30'
行程次数	Number of stroke	47 min-1	47 min-1	47 min-1	47 min-1	47 min-1
后挡料范围 (手动)	Backgauge rang(Manual)	0~650 mm	0~650 mm	0~650 mm	0~650 mm	0~650 mm
后挡料范围 (电动)	Backgauge rang(Electric)	0~600 mm	0~600 mm	0~600 mm	0~600 mm	0~600 mm
工作台高度	Height of the table	800 mm	800 mm	800 mm	850 mm	800 mm
电机功率	Motor power	5.5 KW	7.5 KW	7.5 KW	11 KW	5.5 KW
外形尺寸	Overall dimension	2124x2210x1180 mm	2630x2210x1180 mm	3130x2210x1180 mm	3630x2250x1400 mm	1860x2210x1180 mm
铁托包装尺寸	Packing size	2150x1000x1500 mm	2700x1000x1500 mm	3250x1000x1500 mm	3800x1100x1600 mm	1950x1000x1500 mm

细节展示 Details



· 可靠的后光电安全防护
· Reliable photoelectricity sensor for safety



· 刀口防护
· Knife edge protection



· 行程限位装置
· The stroke device



· 电气箱
· Electric box



· 刻度环
· Scale ring

HYDRAULIC SWING BEAM SHEAR

液 压 摆 式 剪 板 机 QC 12Y

优质、高效、高性价比

- 采用钢板焊接结构，液压传动，氮气回程，
- 操作方便，性能可靠，外形美观。
- 刃口间隙调节有指示牌指示，调整轻便迅速。
- 设有灯光对线照明装置，并能无级变速调节
- 上刀架的行程量。
- 工作区采用栅栏式人身安全保护装置。
- 后档料尺寸及剪切次数有数字显示装置。



- 可靠的后光电安全防护
- Reliable photo electricity sensor for safety

Convincing arguments: quality, efficiency and price

- Frame welded ,vibration to eliminate stress, high in rigidity ,sturdy and durable.Hydraulic drive ,swing beam , return of knife beam is smooth and prompt by accumulator or nitrogen cylinder , steady & reliable performance.
- The position of flow blade can be adjusted to ensure the equilibrium of the gap after regrinding .
- The protable and prompt adjusted of the blades gap the value of gap is indicated by dial, positioning reliable.
- Setting the backguge by motor .The displsly devices used to the backguge value and the shearing times are on the front of the machine.
- The stroke of knife or continous strokes .Preselection of cutting number and cuttin strokes .Roller guide to ensure the quality of cutting sheet-metal.
- With lighter ,it can adujst the stroke number of upper cahier.
- Guard barrier safety feature is conture contact with electric.



QC 12Y

可选附件 OPTIONAL EQUIPMENT

- 1 E10 数显
E10 digital display
- 2 Siko 数显
Siko digital display
- 3 NC89 数显
NC89 digital display



机床技术参数 /Specification

型号	货号	可剪板厚	可剪板板宽	剪切角	行程次数	后挡料范围	主电机功率	铁托包装尺寸
Model	Code No.	Shearing Thickness	Shearing width	Shearing angle	Number of stroke	Backgauge rang	Motor power	Packing size
4x2000	7131010	4mm	2000mm	1°30'	22min-1	20~480mm	4KW	2650x1500x1600mm
4x2500	7131020	4mm	2500mm	1°30'	20min-1	20~480mm	4KW	3200x1500x1600mm
4x3200	7131030	4mm	3200mm	1°30'	20min-1	20~600mm	5.5KW	3900x1750x1800mm
4x4000	7131040	4mm	4000mm	1°12'	18min-1	20~600mm	5.5KW	4700x1750x1800mm
4x5000	7131050	4mm	5000mm	1°30'	14min-1	20~600mm	7.5KW	5655x1850x1850mm
6x2000	7131060	6mm	2000mm	1°30'	20min-1	20~600mm	7.5KW	2580x1530x1600mm
6x2500	7131070	6mm	2500mm	1°30'	18min-1	20~600mm	7.5KW	3200x1750x1750mm
6x3200	7131080	6mm	3200mm	1°30'	16min-1	20~600mm	7.5KW	3900x1750x1800mm
6x4000	7131090	6mm	4000mm	1°30'	14min-1	20~600mm	7.5KW	4750x1850x1900mm
6x5000	7131100	6mm	5000mm	1°30'	8min-1	20~600mm	11KW	5690x2000x2100mm
6x6000	7131110	6mm	6000mm	1°30'	6min-1	20~600mm	11KW	6800x2280x2000mm
8x2500	7131120	8mm	2500mm	1°30'	14min-1	20~600mm	11KW	3300x1750x1850mm
8x3200	7131130	8mm	3200mm	1°30'	12min-1	20~600mm	11KW	3900x1750x1850mm
8x4000	7131140	8mm	4000mm	1°30'	10min-1	20~600mm	11KW	4800x1850x1900mm
8x6000	7131150	8mm	6000mm	1°30'	6min-1	20~900mm	22KW	6900x2280x2400mm
10x2500	7131160	10mm	2500mm	1°30'	12min-1	20~900mm	18.5KW	3300x1950x2100mm
10x3200	7131170	10mm	3200mm	1°30'	10min-1	20~900mm	18.5KW	4000x2100x2100mm
12x2500	7131180	12mm	2500mm	1°30'	8min-1	20~800mm	18.5KW	3250x2280x2280mm
12x3200	7131190	12mm	3200mm	1°30'	10min-1	20~800mm	18.5KW	3950x2280x2280mm
12x4000	7131200	12mm	4000mm	1°30'	8min-1	20~900mm	18.5KW	4800x2280x2280mm
12x5000	7131210	12mm	5000mm	1°30'	8min-1	20~800mm	18.5KW	5750x2260x2240mm
16x2500	7131220	16mm	2500mm	2°	12min-1	20~900mm	22KW	3300x2280x2280mm
16x3200	7131230	16mm	3200mm	2°	10min-1	20~900mm	22KW	4000x2280x2280mm
16x4000	7131240	16mm	4000mm	2°	8min-1	20~900mm	22KW	4800x2280x2280mm
20x2500	7131250	20mm	2500mm	2°30'	10min-1	20~900mm	30KW	3600x2800x3000mm
20x3200	7131260	20mm	3200mm	2°30'	8min-1	20~900mm	37KW	4400x2700x2600mm
25x2500	7131270	25mm	2500mm	3°12'	8min-1	20~900mm	45KW	3600x2900x3000mm
25x3200	7131280	25mm	3200mm	3°	5min-1	20~900mm	45KW	4400x2900x3000mm

细节展示 Details



- 可翻开前护栏
- Folding front barrier



- 西门子电器
- Siemens electronic



- 德国 JS 的卡套接头
- Germany JS hydraulic connector



- OMG 阀组
- OMG valve



- 控制箱 (带数显)
- Control box (with digital display)

CNC HYDRAULIC SWING BEAM SHEAR

数控液压摆式剪板机 QC 12K

优质、高效、高性价比

- 采用钢板焊接结构，液压传动，氮气回程，
- 操作方便，性能可靠，外形美观。
- 刃口间隙调节有指示牌指示，调整轻便迅速。
- 设有灯光对线照明装置，并能无级变速调节
- 上刀架的行程量。
- 工作区采用栅栏式人身安全保护装置。
- 后档料尺寸及剪切次数有数字显示装置。



- 可靠的后光电安全防护
- Reliable photo electricity sensor for safety

标准配置：

- MiniKol M15S 数控系统（变频控制），
- 悬挂臂安装
- 后档料 1000mm，滚珠丝杠（台湾 ABBA）
- 气动托料
- 电器元件（西门子和施耐德）
- OMRON 光电开关

Standard Configuration:

- With MiniKo1 m15s controller.
- 1000mm rear length stop, ABBA ball screw Made in Taiwan
- Hydraulic front material holding device
- With Hilary Schneider or Siemens electronic
- With OMRON optoelectronic switch, rear light barrier for operating safety

Convincing arguments: quality, efficiency and price

- Frame welded ,vibration to eliminate stress, high in rigidity ,sturdy and durable. Hyddraulic drive ,swing beam , return of knife beam is smooth and prompt by accumulator or mityogen cylinder , stead & reliable perfo-man.
- The position of low blade can be adjusted to ensure the epuilbrum of the gap after regrinding .
- The protable and prompt adjusted of the blades gap the value of gap is indicated by dial, positioning reliable.
- Setting the backguge by motor .The displessly devices used to the backguage'value and the shearing times are on the front of the machine.
- The stroke of knife or continous strokes .Preselection of cutting number and cuttin strokes .Roller guide to ensure the quality of cutting sheet-metal.
- With lighter ,it can adujst the stroke number of upper cahier.
- Guard barrier safety feature is cnture contact with electric.

可选附件

- E200 数控
- PRG911 数控
- DAC310 数控
- DAC360 数控

OPTIONAL EQUIPMENT

- E200CNC system
- PRG911 CNC system
- DAC310 CNC system
- DAC360 CNC system



QC 12K

机床技术参数 /Specification

产品型号	产品编号	最大可剪板厚度	最大可剪板宽度	板材强度	剪切角	后挡料最大距离	空行程次数	主柱间距离	主电机功率	铁托包装尺寸	净 / 毛重
Model No.	Item No.	Shearing thickness	Shearing width	Strength of sheets	Shearing angle	Max. Length of Back Gauge	Stroke number	Distance between vertical columns	Main motor power	Packing size L x W x H(mm)	N.W/G.W(Kg)
QC12K- 4×2500	1610100	4mm	2500mm	450N/mm2	1°30′	480mm	20min-1	2750mm	4KW	3200×1500×1600	3800/4000
QC12K- 4×3200	1610200	4mm	3200mm	450N/mm2	1°30′	600	20	3450	5.5	3900×1750×1800	5800/6100
QC12K- 4×4000	1610300	4mm	4000mm	450N/mm2	1°30′	600	18	4250	5.5	4700×1750×1800	7500/7900
QC12K- 6×2500	1610400	6mm	3200mm	450N/mm2	1°30′	600	18	2720	7.5	3200×1750×1750	5200/5400
QC12K- 6×3200	1610500	6mm	3200mm	450N/mm2	1°30′	600	16	3420	7.5	3900×1750×1800	6500/6800
QC12K- 6×4000	1610600	6mm	4000mm	450N/mm2	1°30′	600	14	4220	7.5	4750×1850×1900	8500/8900
QC12K- 8×2500	1610700	8mm	2500mm	450N/mm2	1°30′	600	14	2720	11	3300×1750×1850	6200/6400
QC12K- 8×3200	1610800	8mm	3200mm	450N/mm2	1°30′	600	12	3420	11	3900×1750×1850	7300/7500
QC12K- 8×4000	1610900	8mm	4000mm	450N/mm2	1°30′	600	10	4220	11	4800×1850×1900	8900/9300
QC12K-10×2500	1611000	10mm	2500mm	450N/mm2	1°30′	600	14	2750	15	3300×1950×2100	8500/8750
QC12K-10×3200	1611100	10mm	3200mm	450N/mm2	1°30′	600	12	3450	15	4000×2100×2100	9800/10100
QC12K-10×4000	1611200	10mm	4000mm	450N/mm2	1°30′	600	10	4250	15	4800×2200×2100	11000/11400
QC12K-12×2500	1611300	12mm	2500mm	450N/mm2	1°30′	900	12	2765	18.5	3250×2280×2280	9600/9950
QC12K-12×3200	1611400	12mm	3200mm	450N/mm2	1°30′	900	10	3465	18.5	3950×2280×2280	12000/12400
QC12K-12×4000	1611500	12mm	4000mm	450N/mm2	1°30′	900	8	4265	18.5	4800×2280×2280	15800/16300
QC12K-16×2500	1611600	16mm	2500mm	450N/mm2	2°	900	12	2765	22	3300×2280×2280	11600/11900
QC12K-16×3200	1611700	16mm	3200mm	450N/mm2	2°	900	10	3465	22	4000×2280×2280	14000/14400
QC12K-16×4000	1611800	16mm	4000mm	450N/mm2	2°	900	8	4265	22	4800×2280×2280	16800/17300
QC12K-20×2500	1611900	20mm	2500mm	450N/mm2	2°30′	900	10	2865	37	3600×2800×3000	16000/16400
QC12K-20×3200	1612000	20mm	3200mm	450N/mm2	2°30′	900	8	3565	37	4300×2800×3000	18000/18500
QC12K-20×4000	1612100	20mm	4000mm	450N/mm2	2°30′	900	6	4365	37	5100×2900×3200	21500/21000

细节展示 Details



· 西门子控制器
· Siemens electronic



· 德国 JS 的卡套接头
· Germany JS hydraulic connector



· OMG 阀组
· OMG valve



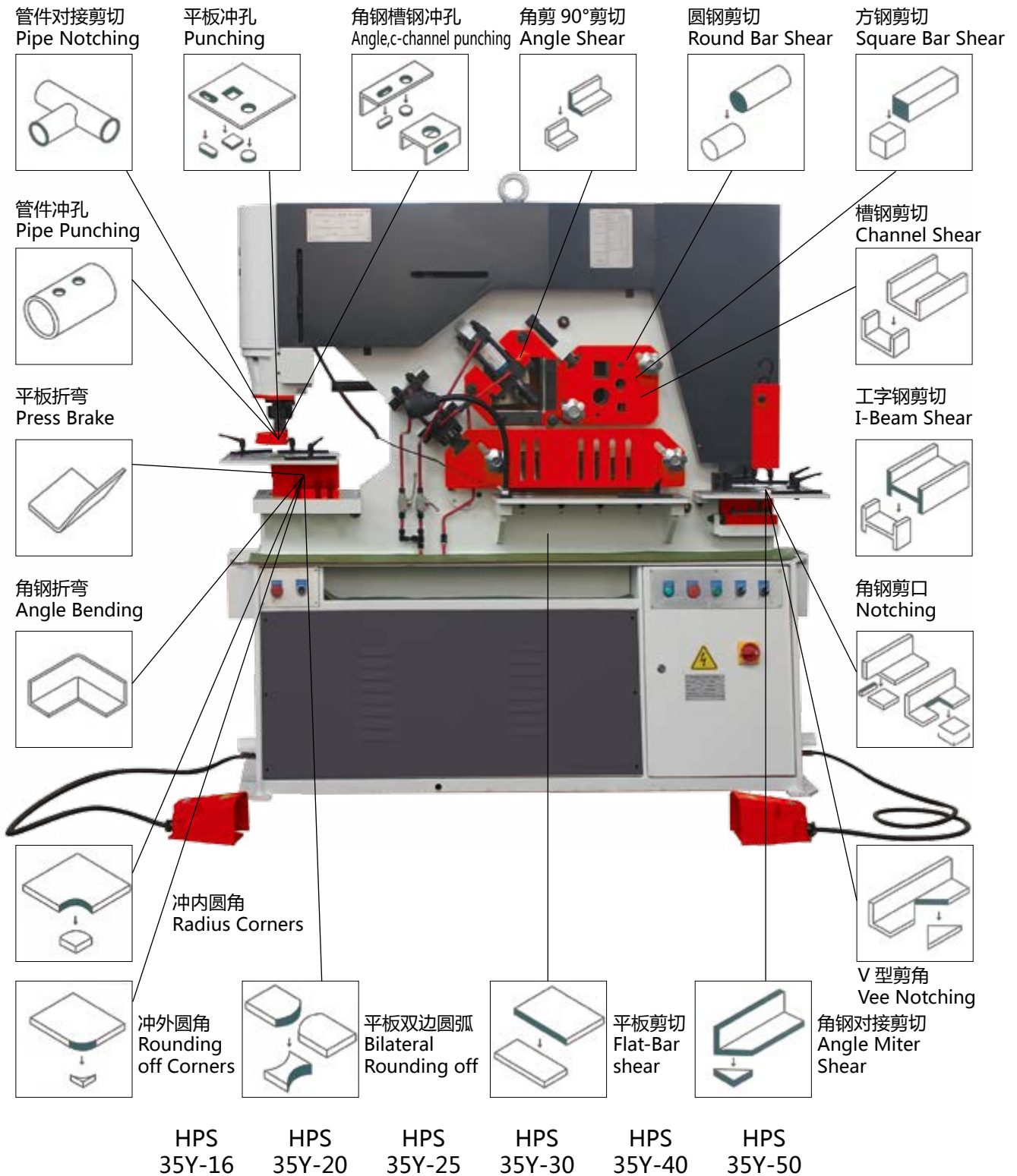
· 数控系统
· CNC control system

HYDRAULIC IRONWORKER

液压冲剪机系列 HPS

液压联合冲剪机工作部位

Working Stations of Hydraulic Ironworker





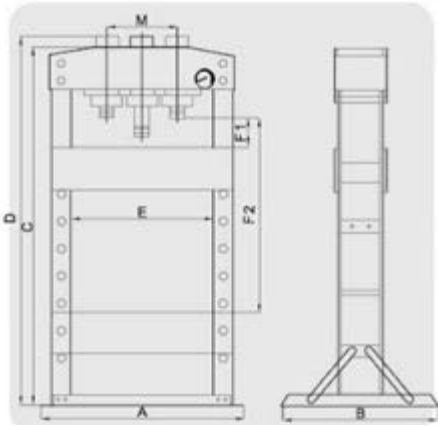
型号 Model	HPS Q35-16	HPS Q35Y-16	HPS Q35Y-20	HPS Q35Y-25	HPS Q35Y-30	HPS Q35Y-40	HPS Q35Y-50
冲压力(吨) Punching Pressure(Ton)	63	55	75	110	140	200	250
可剪最大板厚(毫米) Max.Cutting Thickness(mm)	16	16	20	25	30	35	40
板料强度(牛顿 / 毫米 ²) Plate Strength(N/mm ²)	450	≤450	≤450	≤450	≤450	≤450	≤450
剪切角 Cutting Angle(degree)	13°	7°	8°	8°	8°	8°	8°
一次行程剪板尺寸(厚x宽)(毫米) Shearing Size of One Stroke(mm)	20x140	16x250 8x400	20x330 10x480	25x330 16x600	30x355 20x600	35x380 25x700	40x400 30x750
滑块行程 Ram Stroke(mm)	26	80	80	80	80	90	100
行程次数(次 / 分) Number of Strokes(cpm)	36	8	8	6	6	6	6
喉口深度(毫米) Throat Depth(mm)	450	300	355	400	600	580	600
冲孔厚度(毫米) Punching Thickness(mm)	16	16	20	25	26	35	35
最大冲孔直径(毫米) Max. Punching Diameter(mm)	28	25	30	35	38	40	45
主电机功率(千瓦) Power of Main Motor(kw)	4	4	5.5	7.5	11	15	18.5
机床外形尺寸(长×宽×高)毫米 Overall Dimensions L×W×H (mm)	1877x725 x1945	1640x730 x1770	1860x800 x1900	2355x960 x2090	2680x1040 x2300	2840x1240 x2500	3000x1450 x2550

工字钢、槽钢、T型钢，则需特殊订货 I beam, Channel and T bar moulds are optional according to customers' requirement.

型钢种类 Profile	断面 Section View	HPS Q35-16	HPS Q35Y-16	HPS Q35Y-20	HPS Q35Y-25	HPS Q35Y-30	HPS Q35Y-40	HPS Q35Y-50	
圆钢 Round Bar		45	45	50	60	65	75	80	
方钢 Square Bar		40x40	40x40	50x50	50x50	55x55	60x60	60x65	
等边角钢 Equal Angle	90° 剪切 90° Shearing		125x125x12	125x125x12	140x140x12	160x160x14	180x180x16	200x200x16	200x200x20
	45° 剪切 45° Shearing		100x100x10	50x50x5	50x50x5	60x60x6	60x60x6	60x60x6	60x60x6
T型钢 T-Bar	90° 剪切 90° Shearing		125x62.5x9	125x62.5x9	150x75x11	175x87.5x12	200x100x12	250x125x14	300x150x15
工形钢 I-Beam		180x94x6.5	126x74x5	160x86x6	200x102x9	280x124x10.5	300x130x13	320x130x15	
槽钢 Channel		180x68x7	126x53x5.5	160x60x6.5	210x75x9	280x86x11.5	300x89x11.5	320x90x12	

HYDRAULIC SHOP PRESSES

液压气动压力机 HSP



HSP 0809



HSP 0813

型号	货号	产能	柱塞行程	外形尺寸				滑块行程
Model	Code No.	Capacity (TON)	Ram Stroke (mm)	Product size(mm)				Side stroke(mm)
				A	B	C	D	M
HSP 0808	7430800	30	150	795	700	1770	1800	200
HSP 0809	7430900	20	185	730	540	1513	1619	176
HSP 0811	7431100	50	200	1030	800	1830	1850	245
HSP 0812	7431200	75	250	1140	800	1840	1896	260
HSP 0813	7431300	100	300	1200	990	1837	1837	250

型号	工作范围	床身宽度	气压	进气口	净重	毛重	包装尺寸	20 尺柜容纳数量
Model	Working range(mm)	Bed width(mm)	Air pressure (Mpa)	Air inlet	N.W. (KG)	G.W. (KG)	Packing size (CM)	20FT CNTR (pcs)
	F1-F2	E						
HSP 0808	151-1031	535	/	/	164	200	192x78x27	56
HSP 0809	35-912	510	/	/	105	132	174x70.5x27	64
HSP 0811	69-1048	730	0.75-0.85	1/4" NPT	302.5	345	97.5x31.5x211	36
HSP 0812	170-884	800	0.75-0.85	1/4" NPT	451	498	109.8x32x211	34
HSP 0813	93-993	787	0.75-0.85	1/4" NPT	662	766	115x42x204	26

HYDRAULIC SHOP PRESSES

液压气动压力机 HSPD



HSPD 0821

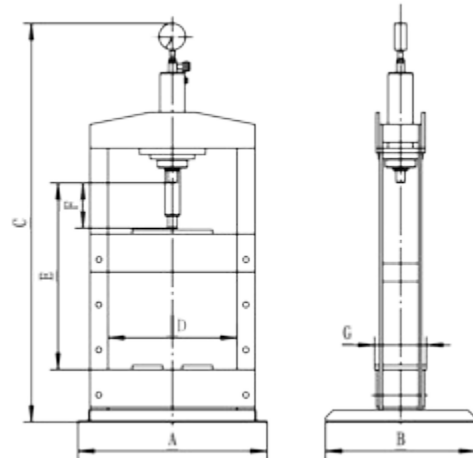
HSPD 0825

型号	货号	产能	柱塞行程	外形尺寸				
				Capacity	Ram Stroke	Product size(mm)		
Model	Code No.	(TON)	(mm)	A	B	C	D	F
HSPD 0821	7432100	15	160	700	540	877	941	160
HSPD 0823	7432300	20	190	730	540	1513	1619	176
HSPD 0824	7432400	30	150	795	700	1772	1800	200
HSPD 0825	7432500	50	200	1030	800	1830	1850	245

型号	工作范围	床身宽度	滑块行程	净重	毛重	包装尺寸	20 尺柜容纳
							数量
							20FT CNTR
Model	Working range(mm)	Bed width(mm)	Side stroke(mm)	N.W.	G.W.	Packing size	(pcs)
	F1-F2	E	M	(KG)	(KG)	(CM)	
HSPD 0821	149-449	500	160	75.5	100	101x66.5x27	128
HSPD 0823	35-912	510	176	112	139	174x72.5x27	64
HSPD 0824	151-1031	535	200	167	203	192x78x27	56
HSPD 0825	69-1048	730	245	298	341	97.5x31.5x211	36

MANUAL WORKSHOP PRESSES

手动油压机 HWP M-Series



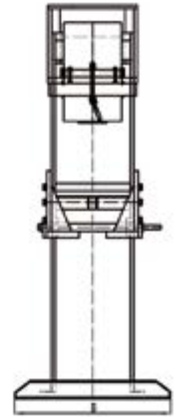
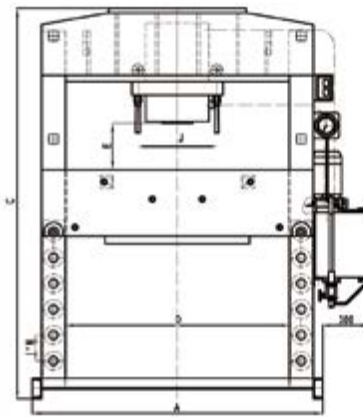
HWP M20/15

型号	货号	公称压力	液压力	工作台调整距	质量
Model	Code No.	Nominal pressure	Hydraulic pressure	Adjustment distance of worktable	Mass
HWP M10/15	7400100	100 kN	30 MPa	150x3 mmxn	80 kg
HWP M20/15	7400200	200 kN	38 MPa	180x4 mmxn	165 kg
HWP M30/18	7400300	300 kN	36 MPa	200x4 mmxn	275 kg
HWP M50/19	7400500	500 kN	40 MPa	250x3 mmxn	420 kg

型号	A	B	C	D	E	F	G
Model							
HWP M10/15	630	500	1205	430	620	150	180
HWP M20/15	940	650	1800	500	944	150	230
HWP M30/18	1000	700	1850	600	971	180	280
HWP M50/19	1157	800	2100	700	990	190	320

HYDRAULIC WORKSHOP PRESSES

电动油压机 HWP E-Series



HWP E60/25

型号	货号	公称压力	液压力	压头行程	活塞杆螺纹	工作速度	工作台调整距	电机功率
Model	Code No.	Nominal pressure	Hydraulic pressure	Travel	Thread	Working speed	Adjustment distance of worktable	Motor power
HWP E50/25	7430500	490 kN	20/25.5 MPa	250 mm	M30x2(外)	3/h4 mm/s	150x4 mmxn	2.2 kw
HWP E60/25	7430600	588 kN	20/26 MPa	250 mm	M42x2(内)	2.6/h3.6 mm/s	150x5 mmxn	2.2 kw
HWP E100/30	7431000	980 kN	20/25.5 MPa	300 mm	M42x2(内)	2.5/h3.5 mm/s	150x5 mmxn	3 kw
HWP E160/30	7431600	1568 kN	20/25.5 MPa	300 mm	M60x2(内)	2.4/h3.6 mm/s	150x5 mmxn	4 kw

型号	A	B	C	D	E(MAX)	I	J	移动方式	质量
Model								Move mode	Mass
HWP E50/25	1020	750	1800	700	1070	150	320	直拨 Direct dialing	510 kg
HWP E60/25	1076	750	1880	750	1118	150	360	直拨 Direct dialing	560 kg
HWP E100/30	1480	790	2120	1100	935	150	640	直拨 Direct dialing	930 kg
HWP E160/30	1476	870	2200	1100	1047	150	580	直拨 Direct dialing	1480 kg

UNIVERSAL MACHINE VICE

万向机用平口钳 UMV 50/75/100/125



UMV 50



UMV 75



UMV 100/125

机床技术参数 /Specification

型号	Model	UMV50	UMV75	UMV100 / 125
货号	Code No.	2906050	2906075	2906100 / 2906125
钳口宽度	Jaw width	50 mm	75 mm	100 / 125 mm
钳口高度	Jaw height	24 mm	34 mm	45 mm
钳口张开度	Jaw opening	48 mm	80 mm	95 mm
净重 / 毛重	NW/GW	3.9/4.2 kg	11.3/12 kg	25.4/26.4 kg
包装尺寸	Packing size	260x140x150 mm	350x190x200 mm	400x260x260 mm

UNIVERSAL BENDING MACHINE

万能折弯 3244040



工作能力 :8 毫米直径钢管
30×2 毫米钢板

working capacity:diameter 8mm steel tube
30×2mm steel plate

BMP VICE

BMP 平口钳



机床技术参数 /Specification

型号	货号	钳口宽度	钳口高度	钳口张开度	外形尺寸	重量
Model	Code No.	Jaw width	Jaw height	Jaw opening	Dimension	Weight
BMP100	3937100	100 mm	64 mm	100 mm	294x162x64 mm	5.9 kg
BMP130	3937130	130 mm	69 mm	120 mm	334x192x69 mm	7.7 kg
BMP160	3937160	160 mm	74 mm	150 mm	420x160x74 mm	12.3 kg

BMS VICE

BMS 平口钳



机床技术参数 /Specification

型号	货号	钳口宽度	钳口高度	钳口张开度
Model	Code No.	Jaw width	Jaw height	Jaw opening
BMS85	3900085	85 mm	30 mm	70 mm
BMS100	3900100	100 mm	30 mm	90 mm
BMS120	3900120	120 mm	35 mm	110 mm
BMS150	3900150	150 mm	48 mm	120 mm
BMS200	3900200	200 mm	58 mm	150 mm

MSO VICE

MSO 平口钳



机床技术参数 /Specification

型号	货号	钳口宽度	钳口高度	钳口张开度
Model	Code No.	Jaw width	Jaw height	Jaw opening
MSO75	3901075	75 mm	20 mm	50 mm
MSO100	3901100	100 mm	23 mm	75 mm
MSO125	3901125	125 mm	26 mm	100 mm
MSO150	3901150	150 mm	30 mm	125 mm

QH MILLING VICE

QH 机用平口钳



机床技术参数 /Specification

型号	Model	QH100	QH125	QH160	QH200
产品编号	Code No.	2910210	2910212	2910216	2910220
钳口宽度	Jaw width	100 mm	125 mm	160 mm	200 mm
钳口高度	Jaw height	35 mm	40 mm	51 mm	63 mm
钳口张开度	Jaw opening	80 mm	100 mm	125 mm	160 mm
重量	Weight	15.5 kg	20 kg	32 kg	50 kg
外形尺寸	Dimension	355x235x215 mm	392x257x160 mm	470x300x185 mm	525x305x240 mm

K-TYPE VICE

K-TYPE 平口钳



机床技术参数 /Specification

型号	Model	K-type 100	K-type 125	K-type 150	K-type 200
产品编号	Code No.	2910010	2910012	2910015	2910020
钳口宽度	Jaw width	100 mm	125 mm	150 mm	200 mm
钳口高度	Jaw height	30 mm	37 mm	40 mm	58 mm
重量	Weight	11 kg	17 kg	28 kg	58 kg

QG MILLING VICE

QG 机用平口钳



机床技术参数 /Specification

型号	Model	QG80	QG100	QG125	QG150
产品编号	Code No.	2910080	2910110	2910112	2910115
钳口宽度	Jaw width	80 mm	100 mm	125 mm	150 mm
钳口高度	Jaw height	26 mm	32 mm	38 mm	45 mm
钳口张开度	Jaw opening	80 mm	100 mm	110 mm	140 mm
重量	Weight	/	22 kg	27 kg	38 kg
外形尺寸	Dimension	305x160x100 mm	392x298x162 mm	440x320x170 mm	492x348x193 mm

TQ VICE

TQ 平口钳



BSI QUICK VICE

BSI-Q快速夹紧钳



机床技术参数 /Specification

型号	Model	TQ100/BSI-Q100	TQ140/BSI-Q140	TQ200/BSI-Q200
产品编号	Code No.	3902101	3902141	3902201
钳口宽度	Jaw width	100 mm	140 mm	200 mm
钳口高度	Jaw height	40 mm	50 mm	64 mm
重量	Weight	13 kg	18 kg	20 kg
外形尺寸	Dimension	396x216x108 mm	480x250x105 mm	630x344x162 mm

Q93 Series Double-Station Precision Machine Vice

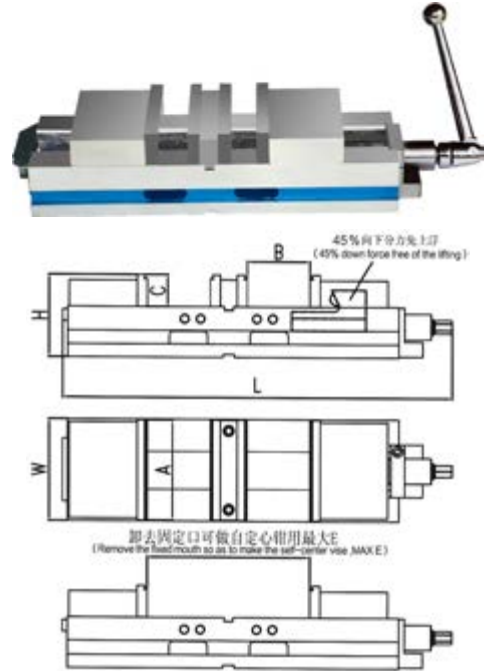
Q93系列双工位精密机用虎钳

优质、高效、高性价比

- 适用于数控铣床、加工中心
- 双工位夹持结构，两夹持面可夹持大小不等的工件，Q93100 两工件差 30MM,Q93160 两工件可差 45MM
- 采用半球结构，夹持工件时有向下 45°夹持力，确保工件不上浮
- 拆掉固定口可作为精密自定心钳用
- 拥有角圆式虎钳的精度

Convincing arguments:quality, efficiency and price

- Suitable for CNC milling machine,machining center
- Two station clamping structure,two clamping surface can clamp the workpiece of unequal size,Q93100 two workpiece difference 30MM,Q93160 two workpiece difference is 45MM
- The semi spherical structure is used to clamp the workpiece downward 45 degree clamping force so that the workpiece does not float
- Removing the fixed mouth can be used as precision self-centering pliers
- It has the accuracy of angle vice



机床技术参数 /Specification

型号 Model	产品编号 Code No.	A	B	C	L	W	H	E	净 / 毛重 N.W/G.W	包装尺寸 Packing size
Q93100	8906001	100	76	35	460	101	95	207	17/18 kg	580x180x170 mm
Q93160	8906002	160	100	50	612	161	130	256	44/45 kg	730x280x200 mm

Q4I(QHK) Series Tilting Machine Vice

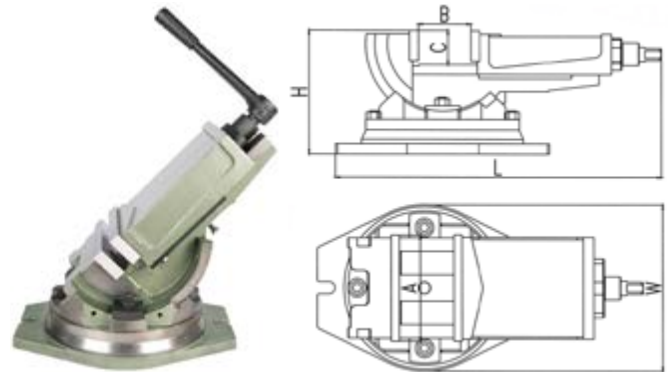
Q4I(QHK)系列可倾机用虎钳

优质、高效、高性价比

- 适用于斜面加工
- 可以从水平位置到垂直位置(0-90°)任意调整并锁紧，可水平 360°旋转

Convincing arguments:quality, efficiency and price

- Suitable for bevel machining
- It can be adjusted and locked from horizontal position to vertical position (0-90°),and can rotate horizontally 360°



机床技术参数 /Specification

型号 Model	产品编号 Code No.	A	B	C	L	W	H	净 / 毛重 N.W/G.W	包装尺寸 Packing size
Q41100	8906003	100	80	41	300	182	148	17/18 kg	350x210x200 mm
Q41125	8906004	125	95	45	372	230	152	26/27 kg	410x240x180 mm
Q41125L	8906005	125	130	45	418	230	152	24/25 kg	450x240x180 mm
Q41160	8906006	160	125	50	420	230	196	37/38 kg	440x260x200 mm

CTN WORKING TABLE

普通型工作台

机床技术参数 /Specification

型号	产品编号	台面尺寸	行程	净重 / 毛重	包装尺寸
Model	Code No.	Table size	Travel	NW/GW	Packing list
CTN201	8901201	185x100 mm	80x50 mm	11/12 kg	280x280x170 mm
CTN202	8901202	225x175 mm	105x90 mm	16/17 kg	320x320x165 mm
CTN203	8901203	330x220 mm	190x100 mm	23/25 kg	425x365x165 mm
CTN204	8901204	430x240 mm	230x150 mm	40/46 kg	620x455x180 mm
CTN205	8901205	600x240 mm	400x150 mm	48/56 kg	790x455x180 mm

CTS SWING CROSS TABLE

可旋转型工作台



机床技术参数 /Specification

型号	产品编号	台面尺寸	行程	净重 / 毛重	包装尺寸
Model	Code No.	Table size	Travel	NW/GW	Packing list
CTS302	8908302	225x175 mm	105x90 mm	19/22 kg	320x320x195 mm
CTS303	8908303	330x220 mm	190x100 mm	28/33 kg	425x365x200 mm
CTS304	8908304	430x240 mm	230x150 mm	48/55 kg	620x455x220 mm
CTS305	8908305	600x240 mm	400x150 mm	55/63 kg	790x455x220 mm

CTP WORKING TABLE

精密型工作台



CTP 203



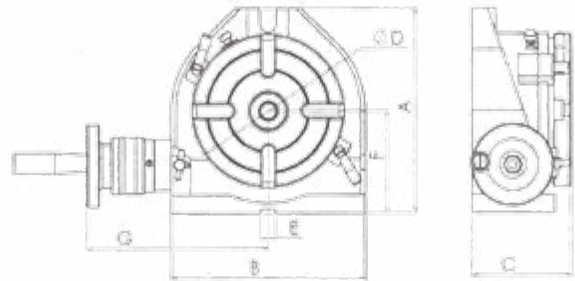
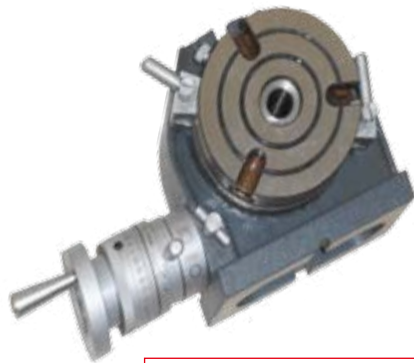
CTP 205

机床技术参数 /Specification

型号	产品编号	台面尺寸	行程	净重 / 毛重	包装尺寸
Model	Code No.	Table size	Travel	NW/GW	Packing list
CTP203	8907203	375x120 mm	250x160 mm	22/24 kg	475x365x155 mm
CTP204	8907204	430x240 mm	230x150 mm	48/54 kg	620x455x180 mm
CTP205	8907205	600x240 mm	400x150 mm	56/64 kg	790x455x180 mm
CTP206	8907206	730x210 mm	500x210 mm	82/90 kg	920x510x210 mm

TSL VERTICLE/HORIZONTAL ROTARY TABLE

TSL型立卧回转工作台 HV3/HV4/HV5/HV6/HV8/HV10



特殊附件 /Special Accessories



	HV3	HV4	HV5	HV6	HV8	HV10
A	98	145	155	200	285	328
B	115	150	170	190	236	286
C	75	75	80	81	100	110
D	76	110	127	150	200	250
E	12	12	12	14	14	14
F	60	85	90	100	150	170
G	130	140	145	160	210	240

机床技术参数 /Specification

型号	Model	HV3	HV4	HV5
货号	Code No.	8908075	8908100	8908125
工作台直径	Table diameter	Ø76 mm	Ø110 mm	Ø127 mm
台面中心孔锥度 (莫氏)	Table center taper(Morse)	MT2	MT2	MT2
工作台垂直时中心高	Center height of table vertical	59 mm	81.5 mm	90 mm
台面T型槽宽度	T-slot width	8 mm	12 mm	12 mm
台面T型槽相邻角度	T-slot adjacent angle	90°	120°	120°
定位键宽度	Positioning-key width	12 mm	12 mm	12 mm
工作台圆周刻度	Table circumference scale	360°	360°	360°
蜗杆每转所代表的转台度数	Rotary degree of worm per revolution	10°	5°	5°
游标最小示值	Minimum indicating value of vernier	10"	10"	10"
分度精度	Dividing accuracy	120"	120"	120"
最大承载 (卧式)	Max load (Horizontal)	50 kg	60 kg	80 kg
最大承载 (立式)	Max load (Vertical)	25 kg	30 kg	40 kg
包装尺寸	Packing size	253×173×137 mm	285×220×145 mm	337×250×156 mm
净重/毛重	N.W/G.W	5/6 kg	8.3/9.3 kg	9.5/11 kg

型号	Model	HV6	HV8	HV10
货号	Code No.	8908150	8908200	8908250
工作台直径	Table diameter	Ø150 mm	Ø200 mm	Ø250 mm
台面中心孔锥度 (莫氏)	Table center taper(Morse)	MT2	MT3	MT3
工作台垂直时中心高	Center height of table vertical	100 mm	150 mm	170 mm
台面T型槽宽度	T-slot width	12 mm	12 mm	12 mm
台面T型槽相邻角度	T-slot adjacent angle	90°	90°	60°
定位键宽度	Positioning-key width	14 mm	14 mm	14 mm
工作台圆周刻度	Table circumference scale	360°	360°	360°
蜗杆每转所代表的转台度数	Rotary degree of worm per revolution	4°	4°	4°
游标最小示值	Minimum indicating value of vernier	10"	10"	10"
分度精度	Dividing accuracy	60"	60"	60"
最大承载 (卧式)	Max load (Horizontal)	100 kg	150 kg	200 kg
最大承载 (立式)	Max load (Vertical)	50 kg	75 kg	100 kg
包装尺寸	Packing size	337×250×156 mm	337×348×176 mm	390×360×240 mm
净重/毛重	N.W/G.W	12.3/14 kg	24.5/26 kg	32/38 kg

B.TOOL kit 63pcs

工具箱 8910100



- 工具箱内有63个工具
- Kit contains 63 parts



- 两用扳手七件套
- (配置8,10,11,12,13,14,17 mm)
- Amphibious wrench seven stacked(configuration 8,10,11,12,13,14,17 mm)
- 六内角扳手七件套
- (配置2.5,3,4,5,6,8,10 mm)
- Six angles wrench seven times(configuration 2.5,3,4,5,6,8,10 mm)



- 30种短批头
- 型号:PH0,PH1,PH2,PH3,PH4, PZ0,PZ1,PZ2,PZ3,PZ4, 一字3,4,4.5,5,5.5,6,7, H1.5,H2,H2.5,H3,H4,H5,H6, T10,T15,T20,T25,T27,T30
- 30 kinds Short of head nozzle model:PH0,PH1,PH2,PH3,PH4, PZ0,PZ1,PZ2,PZ3,PZ4, screwdriver3,4,4.5,5,5.5,6,7, H1.5,H2,H2.5,H3,H4,H5,H6, T10,T15,T20,T25,T27,T30



- 棘轮螺丝刀 (可上各型号批头)
- ratchet screwdriver (can be installed in all size of the head)
- 十字螺丝刀
- phillips screwdriver
- 一字螺丝刀
- screwdriver

- 圆嘴钳
- round pliers

- 美工刀
- pen knife



- 尖嘴钳
- nipper pliers
- 老虎钳
- pincer pliers
- 麻花钻头
- twist drill bit

- 羊角锤
- nail hammer
- 螺丝钉套盒
- screw boxes
- 3M卷尺
- 3M tape



- 活动扳手
- adjustable wrench
- 三向水平尺
- three direction level



英文



中文

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