



TOPTECH[®]
www.toptechmachine.cn

OPTIMUM[®]

www.toptechmachine.cn
www.toptechmachine.net

Drilling & Milling machines

钻 铣 床



2018 Version 1.0

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

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	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
Accessories	B89

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 $\varnothing 63\text{mm}/\text{MT3}$
- 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 $\varnothing 63\text{mm}/\text{MT3}$
- Steel stand and chip tray
- X/Y 2-axis DRO
- H/V Precision rotarytable ERT-HV125



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)	$\varnothing 25/\varnothing 20\text{ mm}$	$\varnothing 30/\varnothing 25\text{ mm}$
面铣直径	Milling capacity cutter head	$\varnothing 63\text{ mm}$	$\varnothing 76\text{ mm}$
立铣直径	Milling capacity end mill cutter	$\varnothing 20\text{ mm}$	$\varnothing 20\text{ mm}$
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

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

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 or 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:

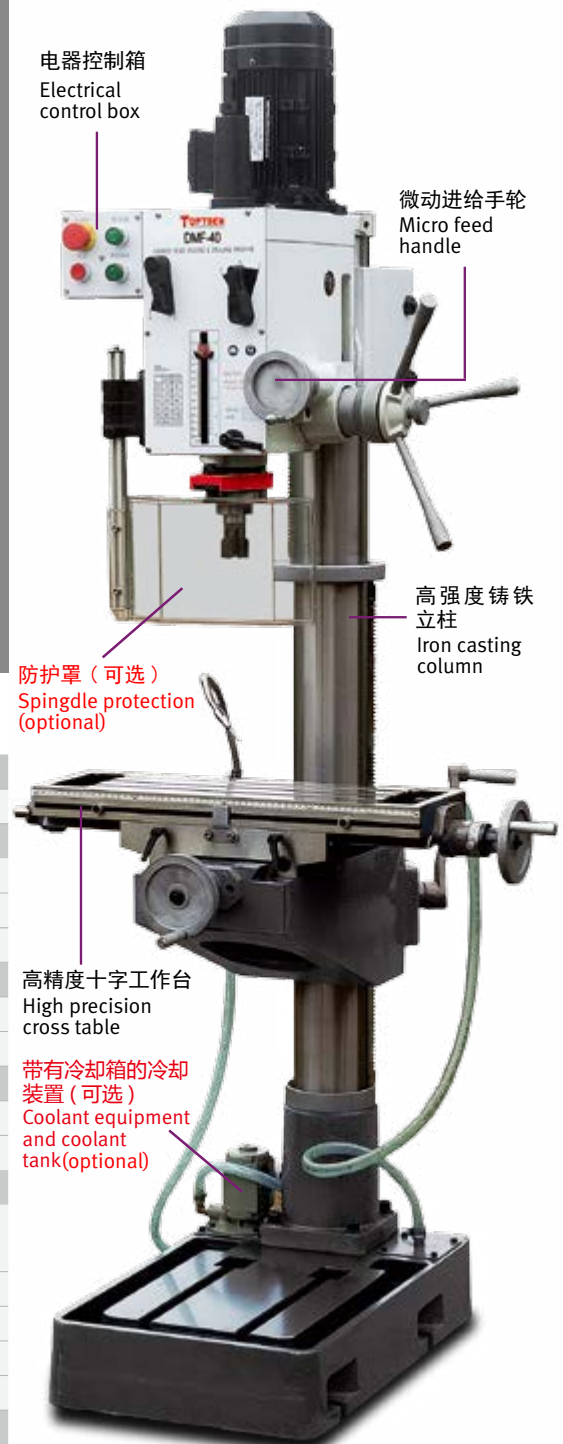
- Draw bar
- Drill chuck 1-13mm/B16
- Morse taper MT4/B16

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)	Table(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



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



DM40



DM45

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

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.)	470 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 2-axis/ 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

NEW

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

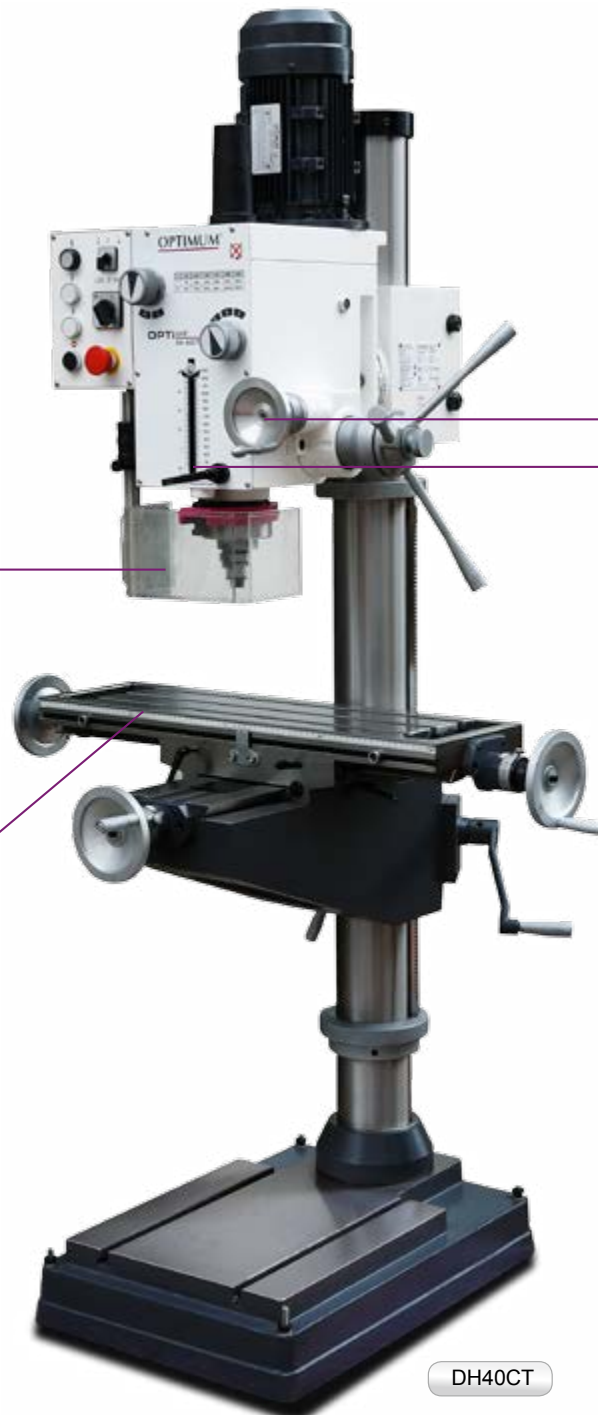
切削深度限位

- 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	
				Motor 1.1KW/1.5KW/50HZ	I 75 180 280 600 1000 1600
主轴转速		Spindle speed(rpm)			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			
				Motor 1.1KW/1.5KW/50HZ		I	75-435
主轴转速		Spindle speed(rpm)				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			

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 $\phi 63\text{mm}$ /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 $\phi 63\text{mm}$ /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级变挡
- 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密加工十字工作台
- 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

- Inclinal 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)	Tabel(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 Ø63/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 $\pm 90^\circ$ 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 $\phi 63$ /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 $\phi 63$ /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

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

机械可调的限位装置

Limit stops

- Mechanical
- Adjustable



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

Length measurement scale

- Imbedded in the cross table



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
钻头头	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)	Tabel(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
钻头头	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.	825×530×570 mm
净重/毛重	Net weight / Gross weight	67/84 kg



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
- 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	950x1210x1520 mm
包装尺寸 (长×宽×高)	packing size(L×W×H)	844x844x1342 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

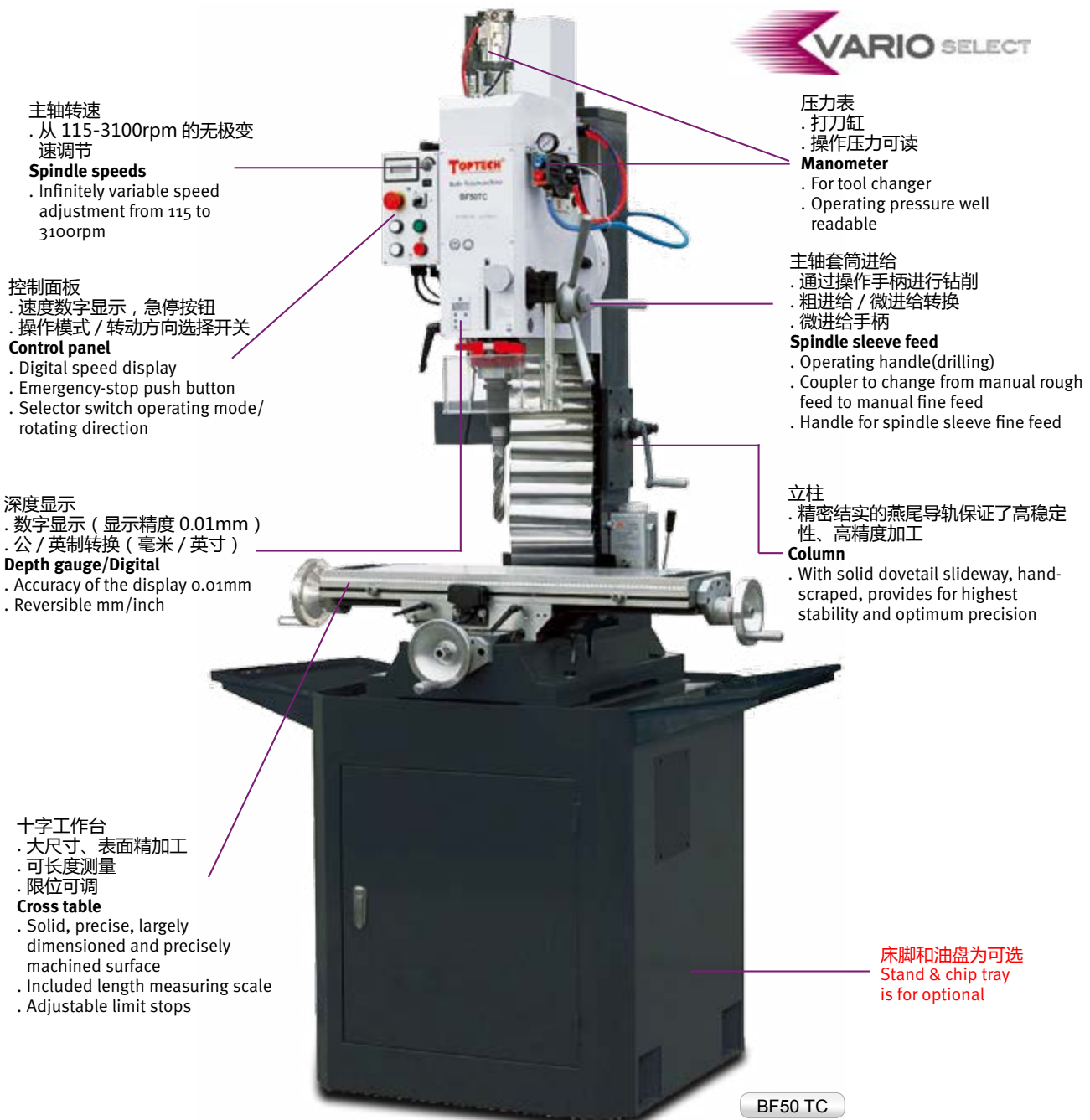
钻 铣 床 BF50 TC

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



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

NEW

钻 铣 床 MH12V/MH20V/MH22V

优质、高效、高性价比

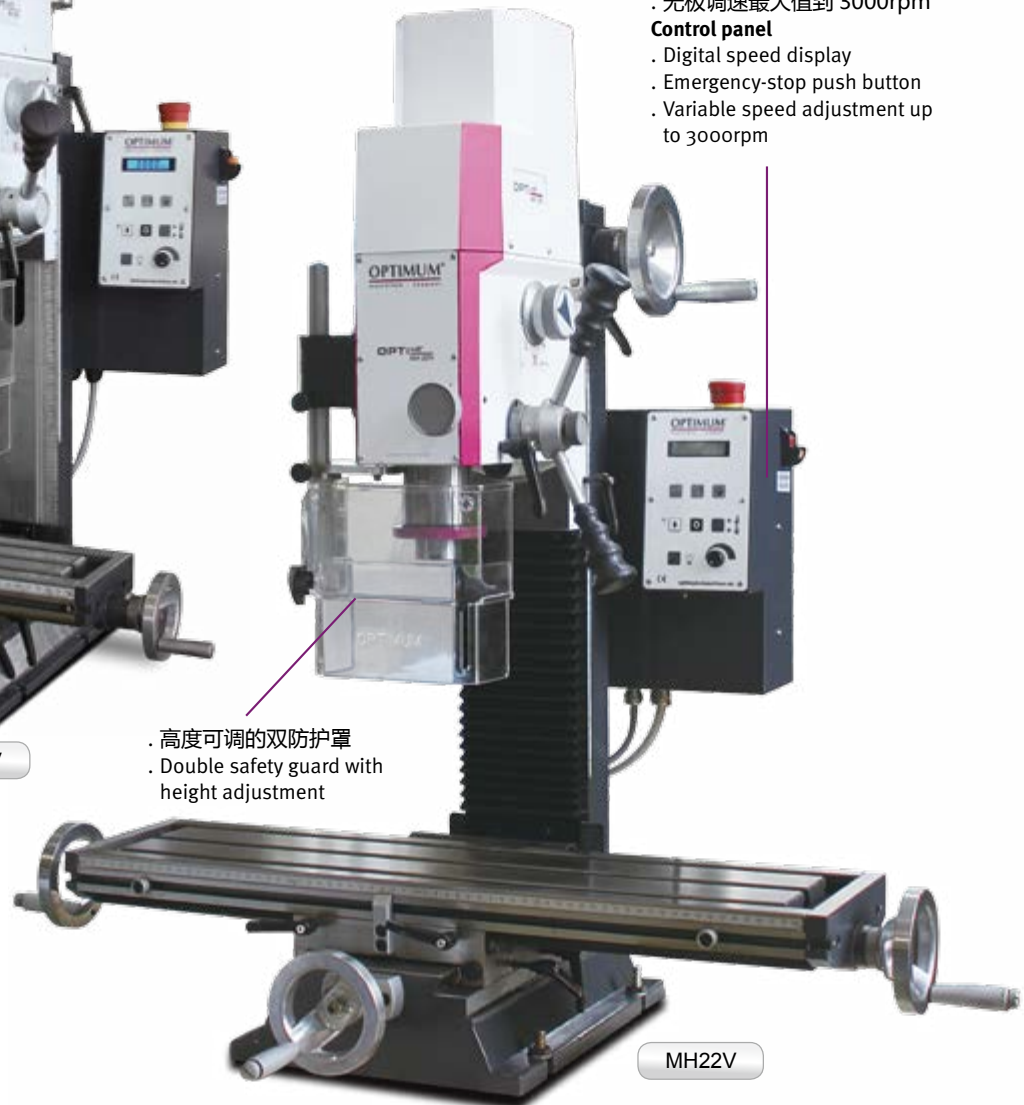
- 两级齿轮换挡
- 100-3000rpm电子无级变速驱动
- 三轴燕尾导轨运行平整精确，且行程数据可显示
- 刀具锥度MT2 (MH20V);
刀具锥度BT20, 简易换刀装置 (MH22V)
- 触摸式控制面板，操作简易、清晰
- LED工作灯，套筒行程显示采用磁删尺读数
- 铣头可90°倾斜，可进行任意角度的钻铣削
- 带有可调节高度的双层铣夹头防护罩
- 性能稳定、性价比高

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-leges, 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



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	/
钻铣头	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-screwriver/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 scraped 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

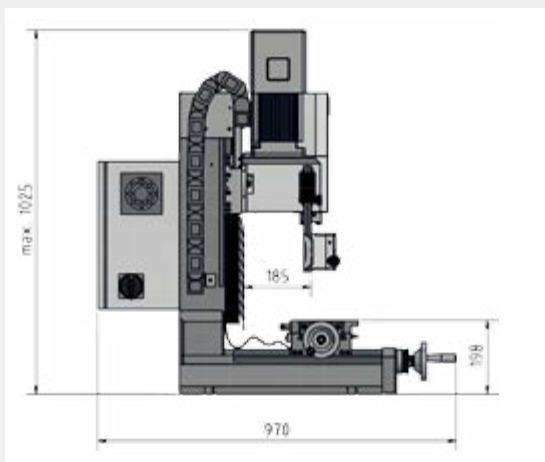
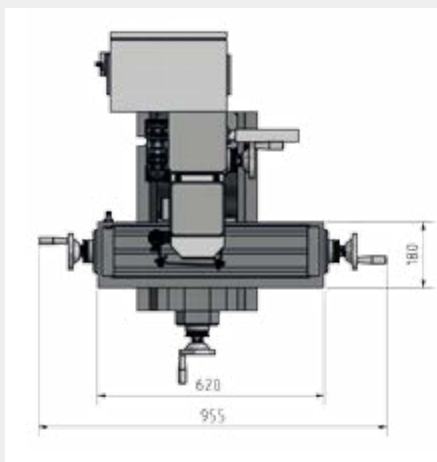


MH25SV

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
钻铣头	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
- 导轨处有风罩罩保护
- 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

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

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

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

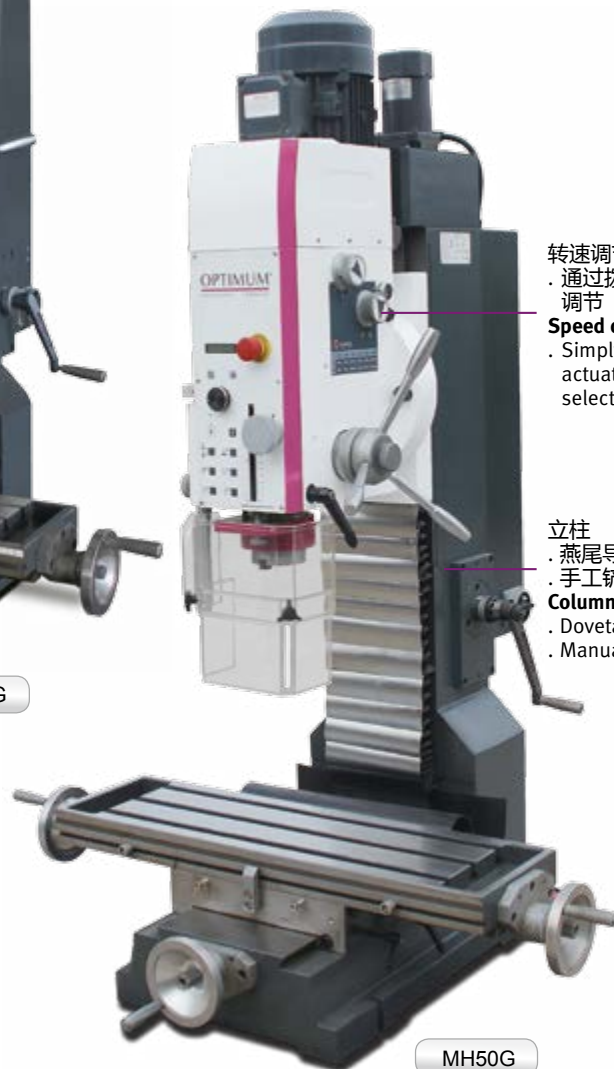
- 燕尾导向
- 手工铲刮

Column

- Dovetail guide
- Manually scraped



MH35G



MH50G

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 slewn to the left and right by 90°
- Spindle head support slewable by $\pm 90^\circ$

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 $\pm 90^\circ$

Milling head

- Slewable by $\pm 90^\circ$

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

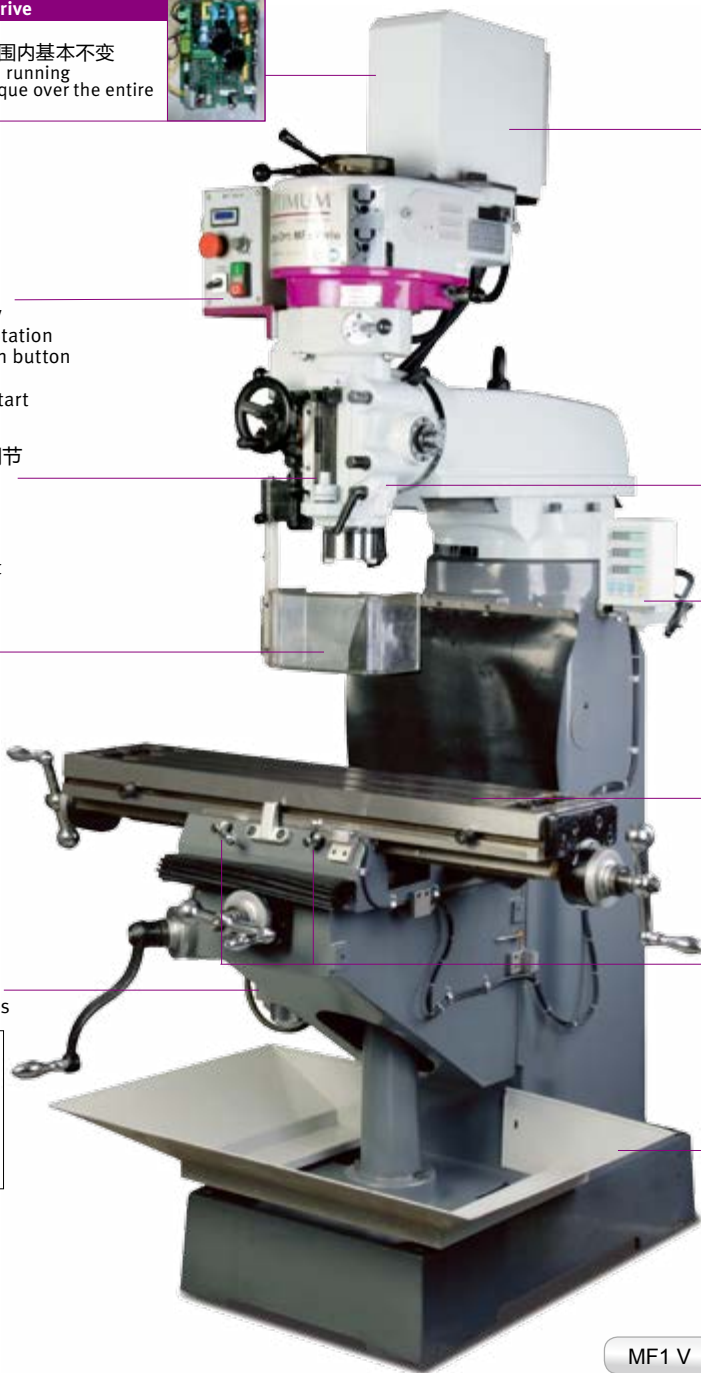
- Adjustable limit stops

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
钻头头	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

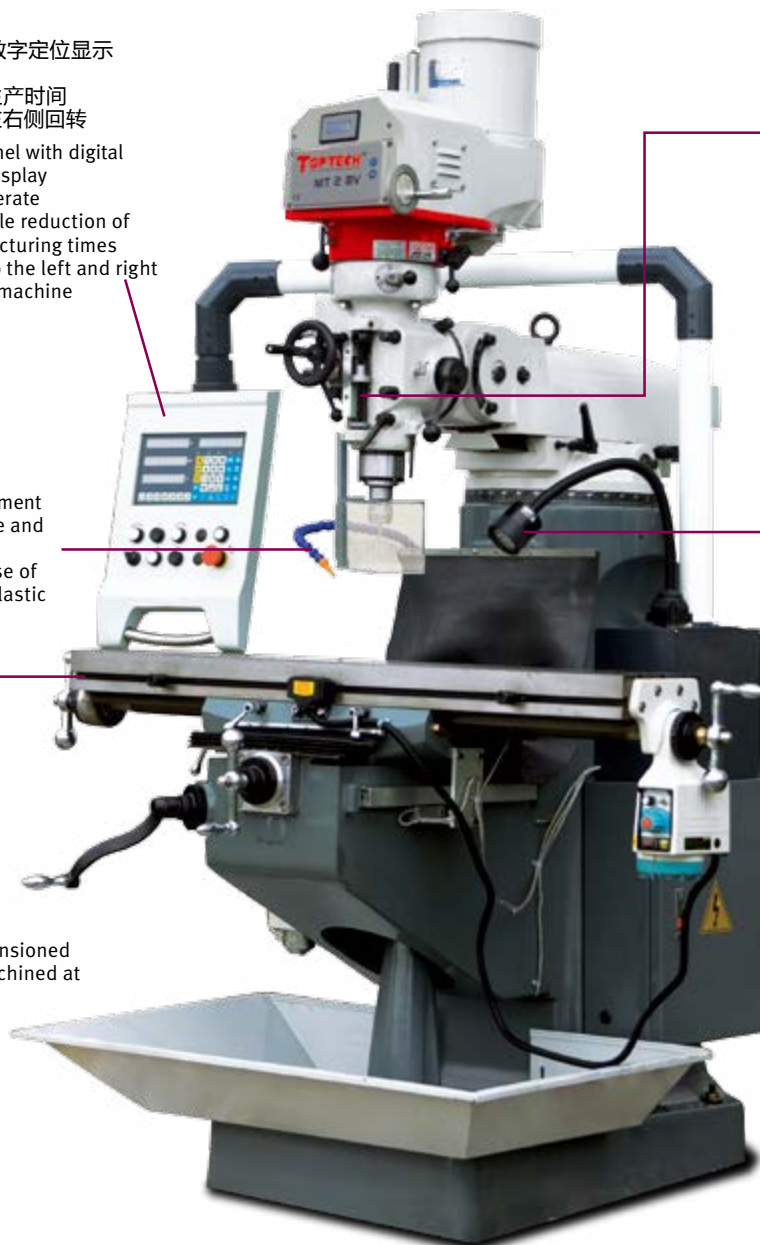
- Inclinal to both sides

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
钻铣头	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
钻铣头	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
· Inclinal to both sides of the machine



X轴走刀器
· 带无极变速调节

X-axis power feed
· with infinitely variable speed adjustment



无极变速
· 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

- 厚重结实的高级减震铸铁制造
- 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

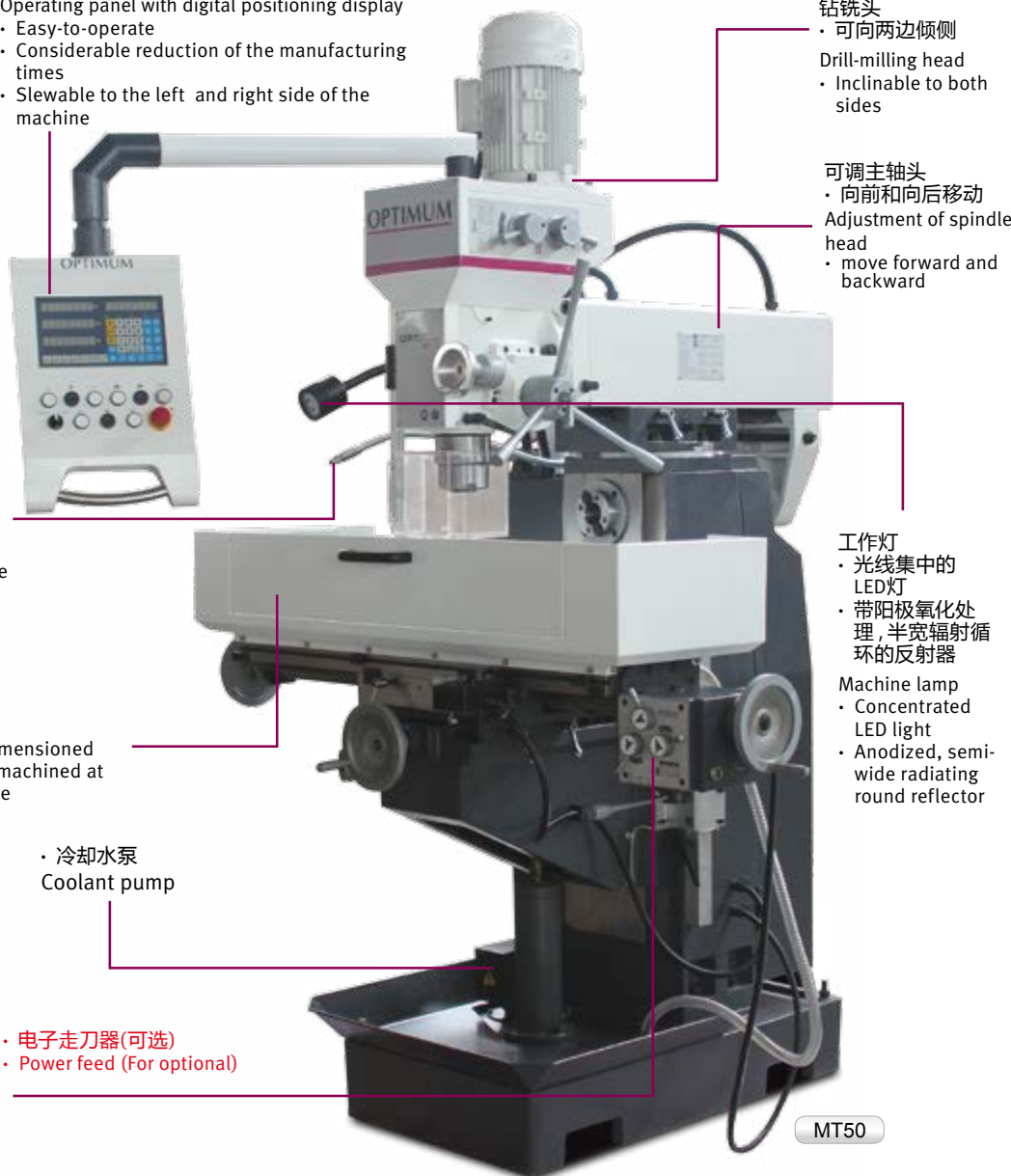
- 电子走刀器(可选)
- Power feed (For optional)

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



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
 • 可拆卸
Housing cross table
 • folding

DRILLING & MILLING MACHINE

钻铣床 MT50E

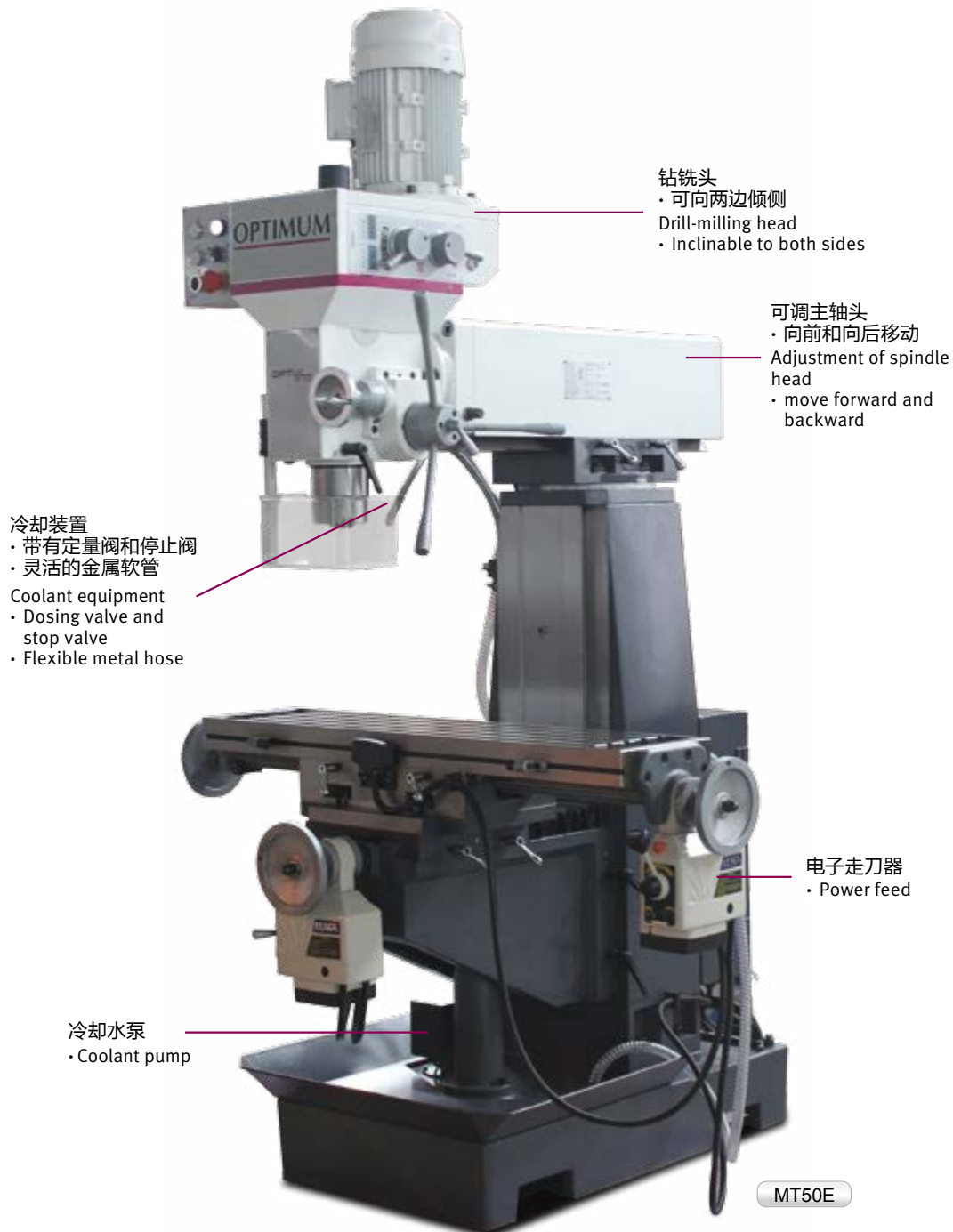
NEW

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 gear-box
- 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

NEW

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

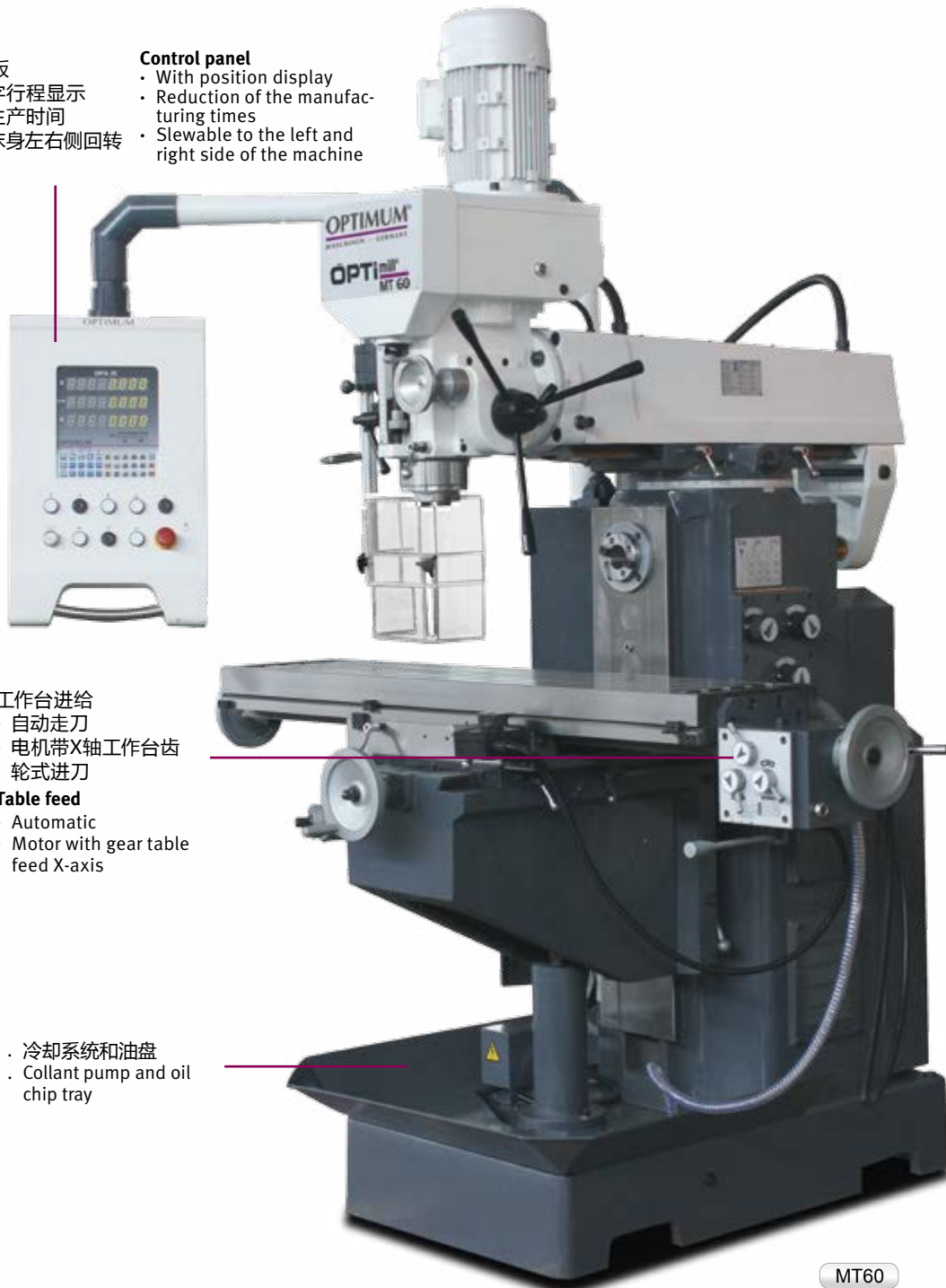
- Heavy, solid design using premium vibration-absorbing grey cast material
- Spindle sleeve feed via spindle sleeve lever or manual fine feed hand wheel
- X axis can be moved optionally with the hand wheel or the table feed unit

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



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 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



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
- 钻夹头 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
- 可在机身左右侧回转

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

钻铣头

- 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

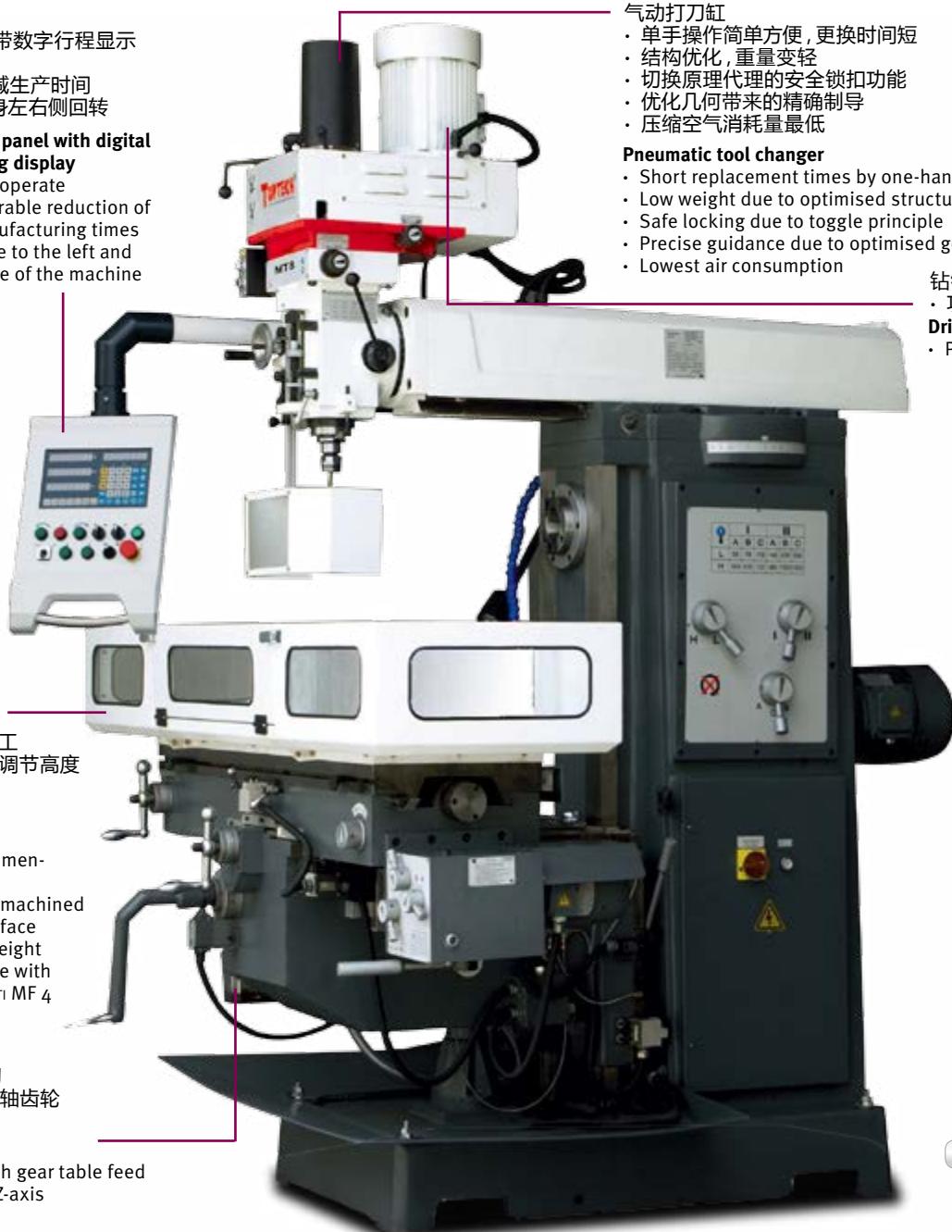
- Solid
- Precise
- Largely dimensioned
- Precisely machined at the surface
- Electric height adjustable with rapid (OPTI MF 4 Vario)

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

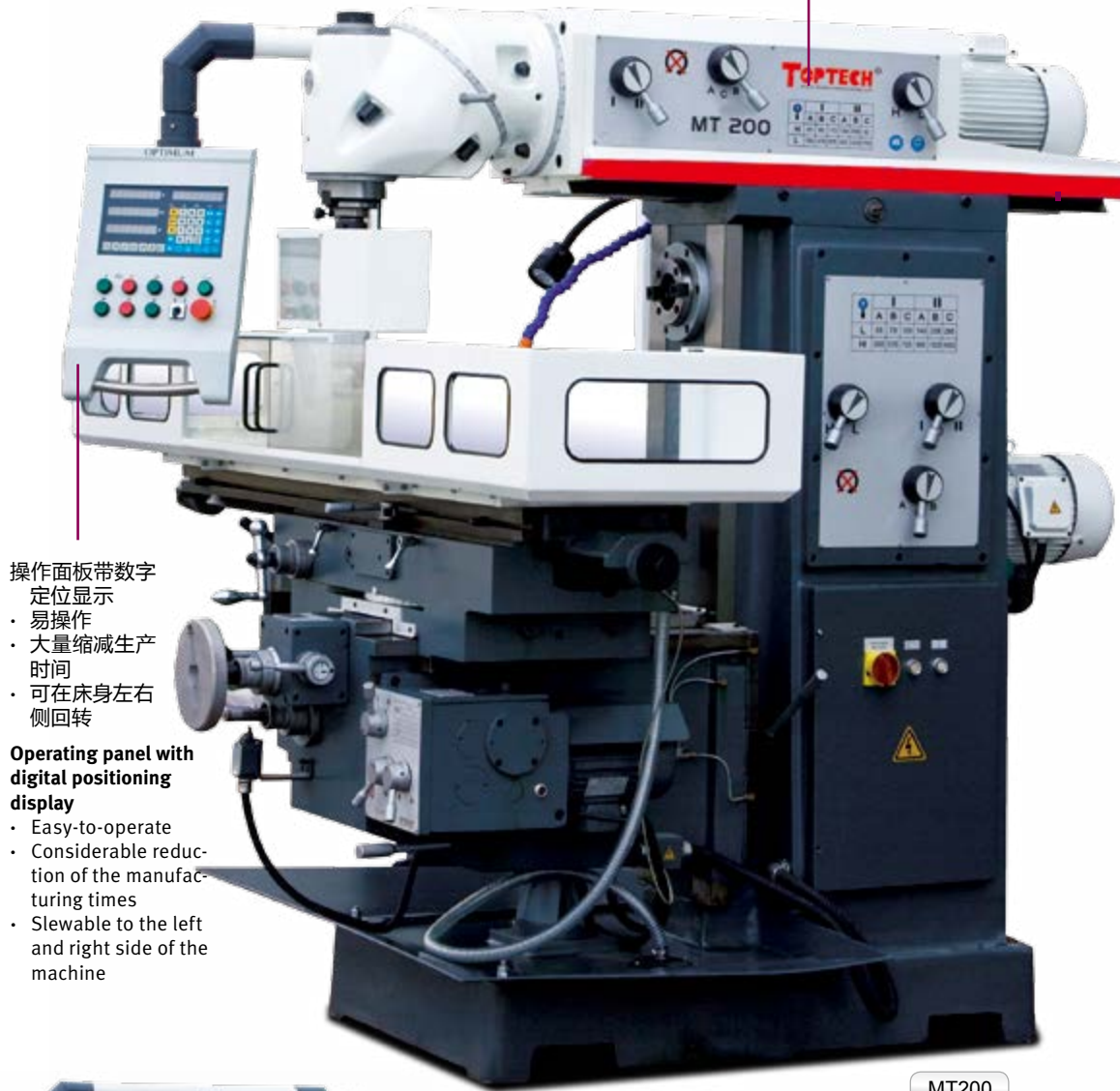
Table power feeder
• Automatic
• Motor with gear table feed X-Axis

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 vertikal		
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

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

NEW

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	spinple 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 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
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



MT130S

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

UNIVERSAL MILLING MACHINE

万能铣床 MT220S

NEW

控制面板

- 集成控制面板
- 带位置显示
- 面板可自转

Operating panel

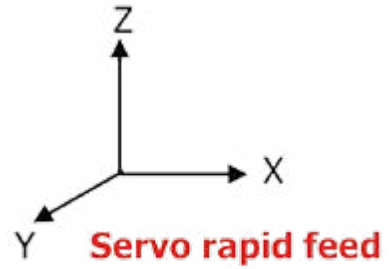
- Integrated control panel
- Integrated position display
- Turnable around the own axis

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 motor 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

NEW



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)	Tabel(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

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 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) 405 mm/390 mm(V)	380 mm/410 mm(V) 385 mm/400 mm(V)
Z轴行程	Z-axis travel	(自动automatic) 16 mm/64 mm/3 16 mm/63 mm/3(V)	(手动manual) 16 mm/64 mm/3 16 mm/63 mm/3(V)
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)

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

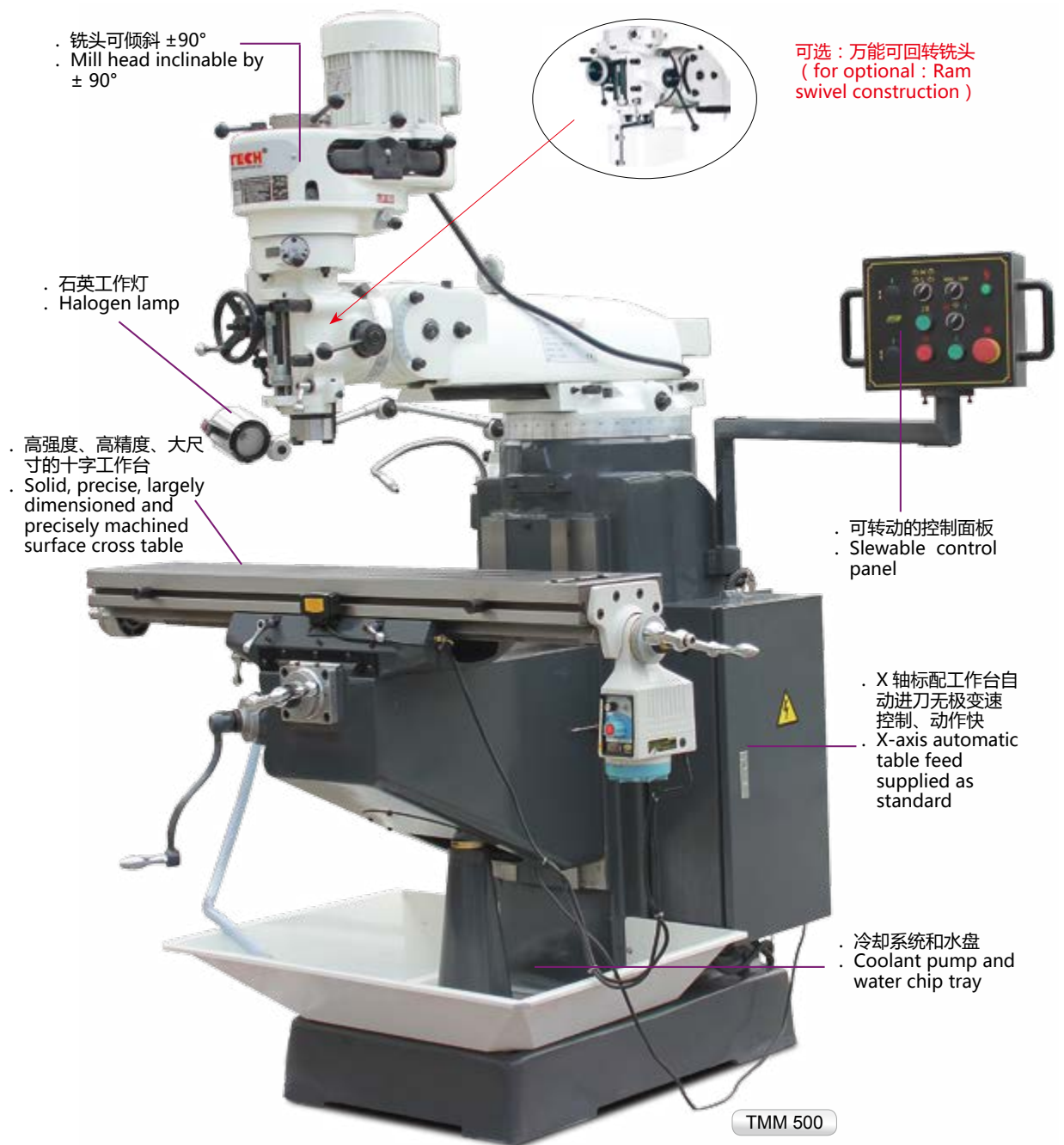
炮塔铣床 TMM500/TMM500V

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



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)	Tabel(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

TMM700

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

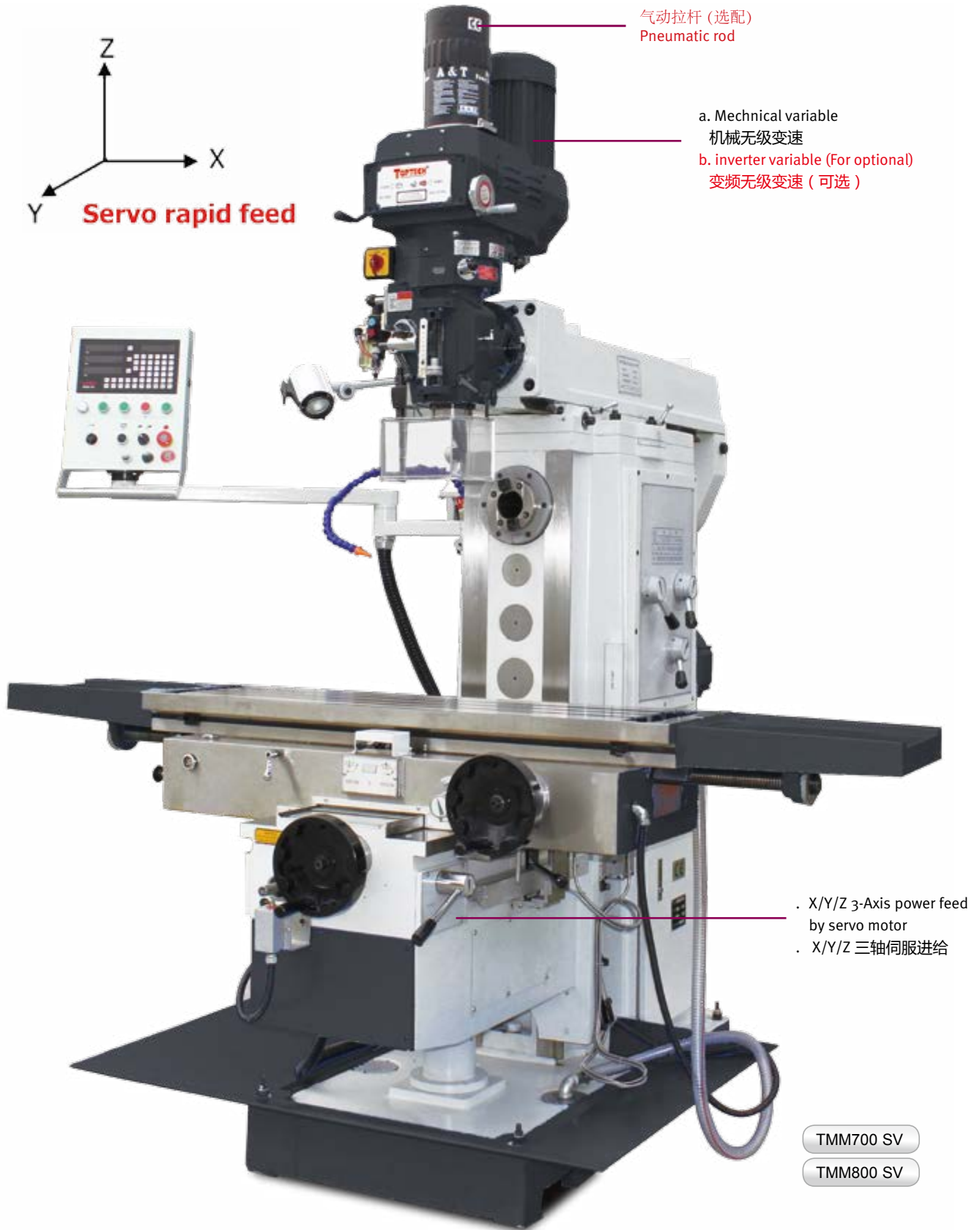
- 三轴数显装置
- 气动拉杆
- 机用平口钳 QG150/QG200
- 58 件套铣夹具 (M12/M16)
- 套装铣夹头 J7325-ISO40 (8 件 / 套)
- 套装铣夹头 J7325-ISO40 (15 件 / 套)

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(DR0:290)/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

- 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

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
- 自动润滑油泵

Standard Accessories:

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

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

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

NEW

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

- 可回转的和尺寸大
- 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

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

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

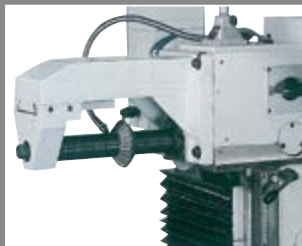
Optional accessories

- 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

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

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

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
- Main switch and motor protection switch, right-left rotation, emergency stop switch
- Large diameter handwheel with scale
- Standard machine Lamp
- Standard coolant equipment
- Simple operation of the switching elements for the speed change
- Slewing digital position display DPA 2000 precise travel measurement of an integrated control unit
- Attached glass scales - 5 microns accuracy
- Dovetail with adjustable dovetail 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



- ### 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

- ### 可选附件
- 回转工作台
 - 万能分度头
 - 平口钳 QG125

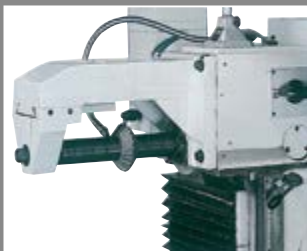
- ### Optional accessories
- Rotary table
 - Universal head
 - Milling vice QG125

MX 4

机床技术参数 / Specification

型号	Model	MX 4
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	80 mm
立铣	Spindle vertical	
主轴转速	Spindle speed	40 - 2000 rpm
转速级数	Gear stages	18 steps
主轴端面至工作台面距离	Distance spindle - table	55 - 445 mm
卧铣	Spindle horizontal	
主轴转速	Spindle speed	40 - 2000 rpm
转速级数	Gear stages	18 steps
主轴端面至工作台面距离	Distance spindle - table	95 - 475 mm
工作台	Working table	
水平工作台尺寸	Dimensions horizontal table L x W	800 x 400 mm
T型槽尺寸/距离/数量	T-slot size / Distance / Number	14 mm / 63 mm / 6
垂直工作台尺寸	Dimensions vertical table L x W	1060 x 250 mm
T型槽尺寸/距离/数量	T-slot size / Distance / Number	14 mm / 63 mm / 3
最大承载重量	Load capacity (max.)	300 kg
X轴	X-Axis	
自动行程	Travel automatic	500 mm
工作台进给	Table feed (18 Steps)	10 - 380 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	400 mm
工作台进给	Table feed (18 Steps)	10 - 380 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	400 mm
工作台进给	Table feed (18 Steps)	10 - 380 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	90 W
尺寸	Dimensions	
长 (系统摆臂在右/在左)	Length (DPA arm right /left side)	2190/ 1700 mm
宽x高	Width x Height	1500 x 2200 mm
净重/毛重	NW/GW	1400/1800 kg

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 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
- 工具与工具箱

Standard accessories:

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

· 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-ISO 40(8件套) 规格 4-16mm

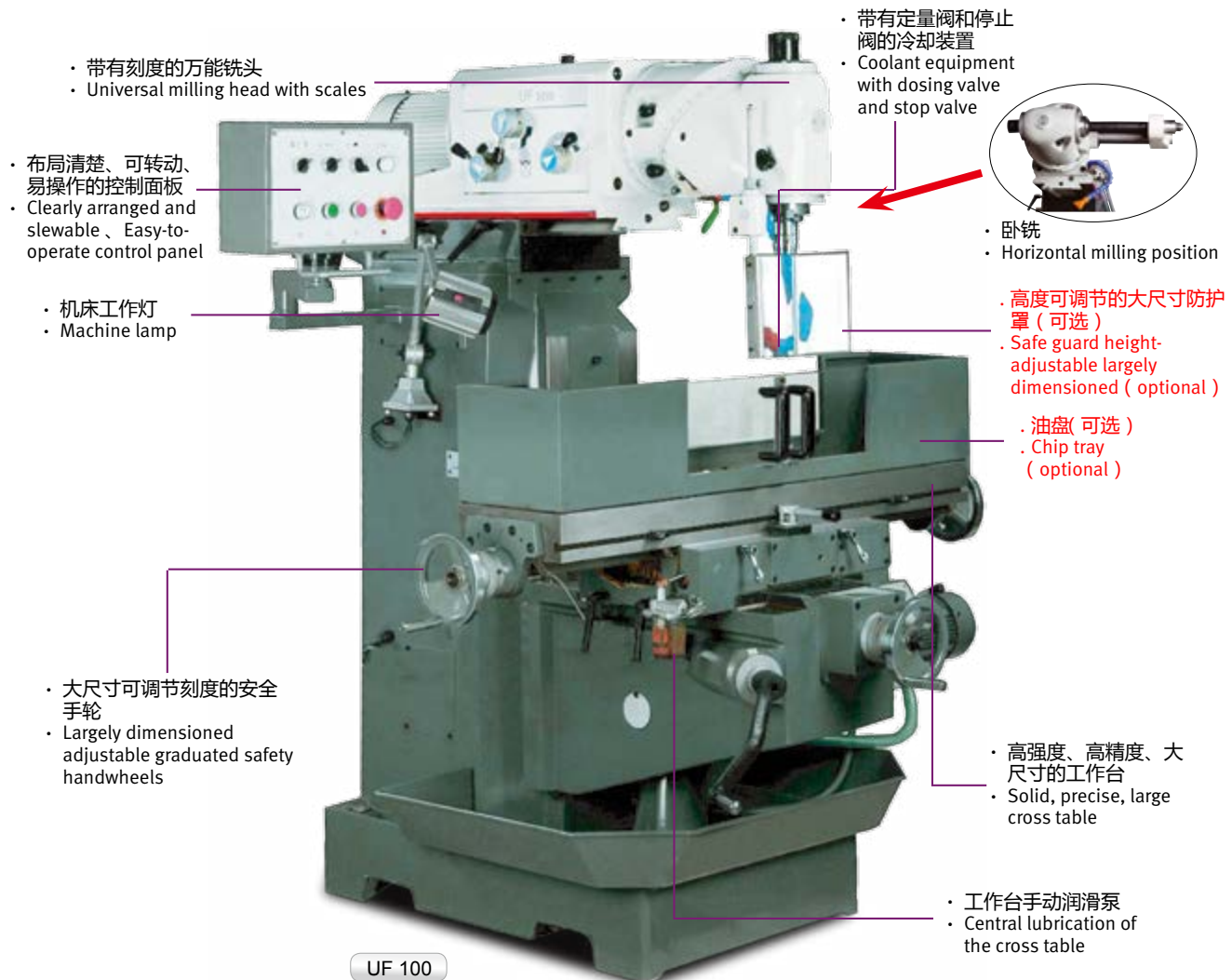
- With tools and tool box
- With draw bar
- X/Y-axis gear driver power feeder
- Coolant system
- Halogen lamp
- Milling chuck set J7325-ISO40(8pcs) size 4-16mm

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

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



UF 100

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

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

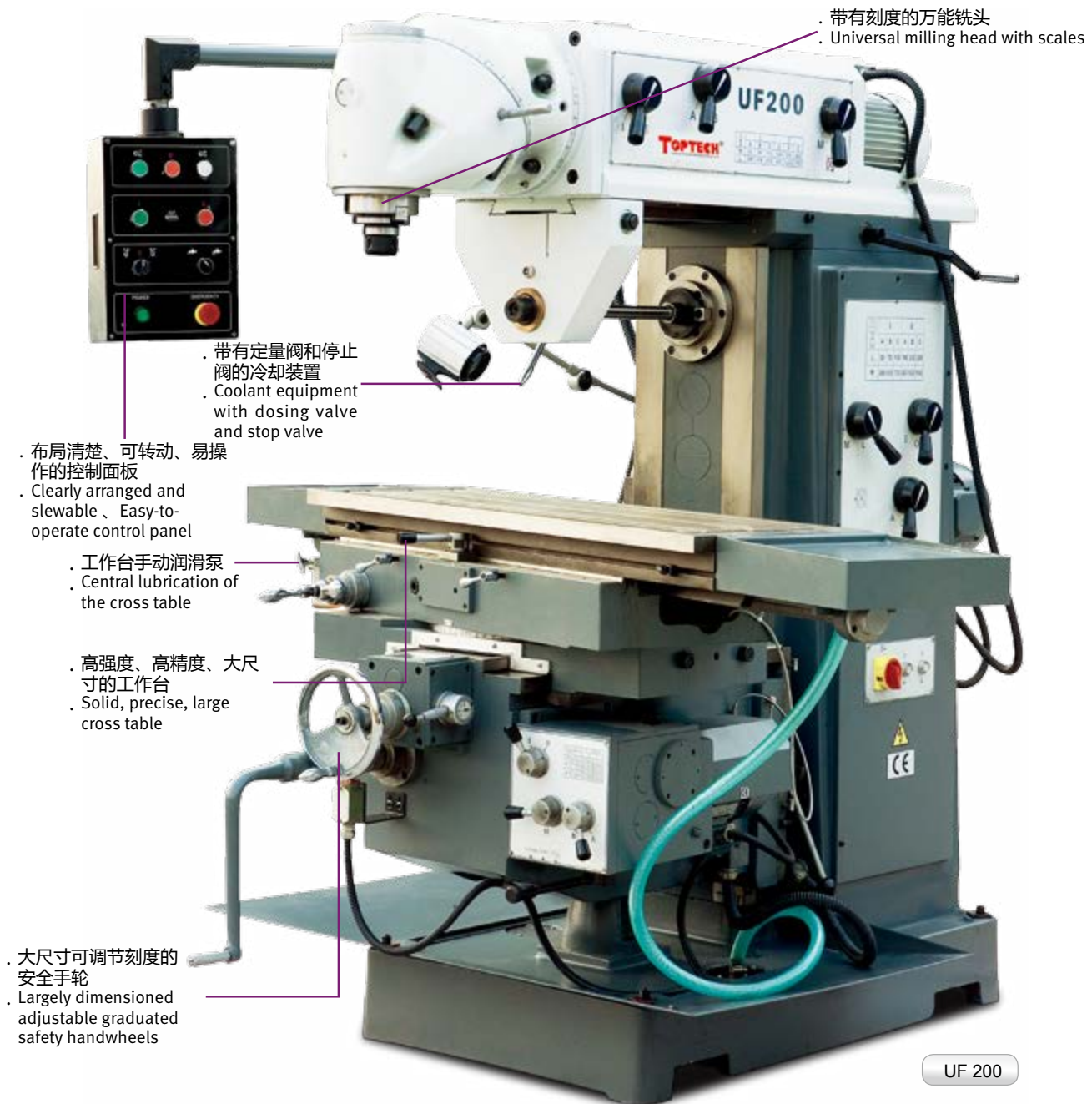
万能铣床 UF200

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

NEW

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

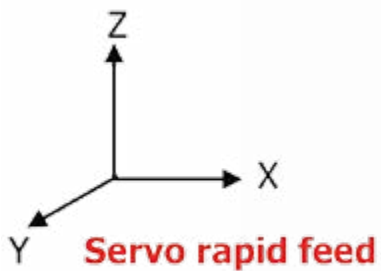


- 机头回转时可卧铣
- Swivel head when horizontal milling

- 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	Tabel(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

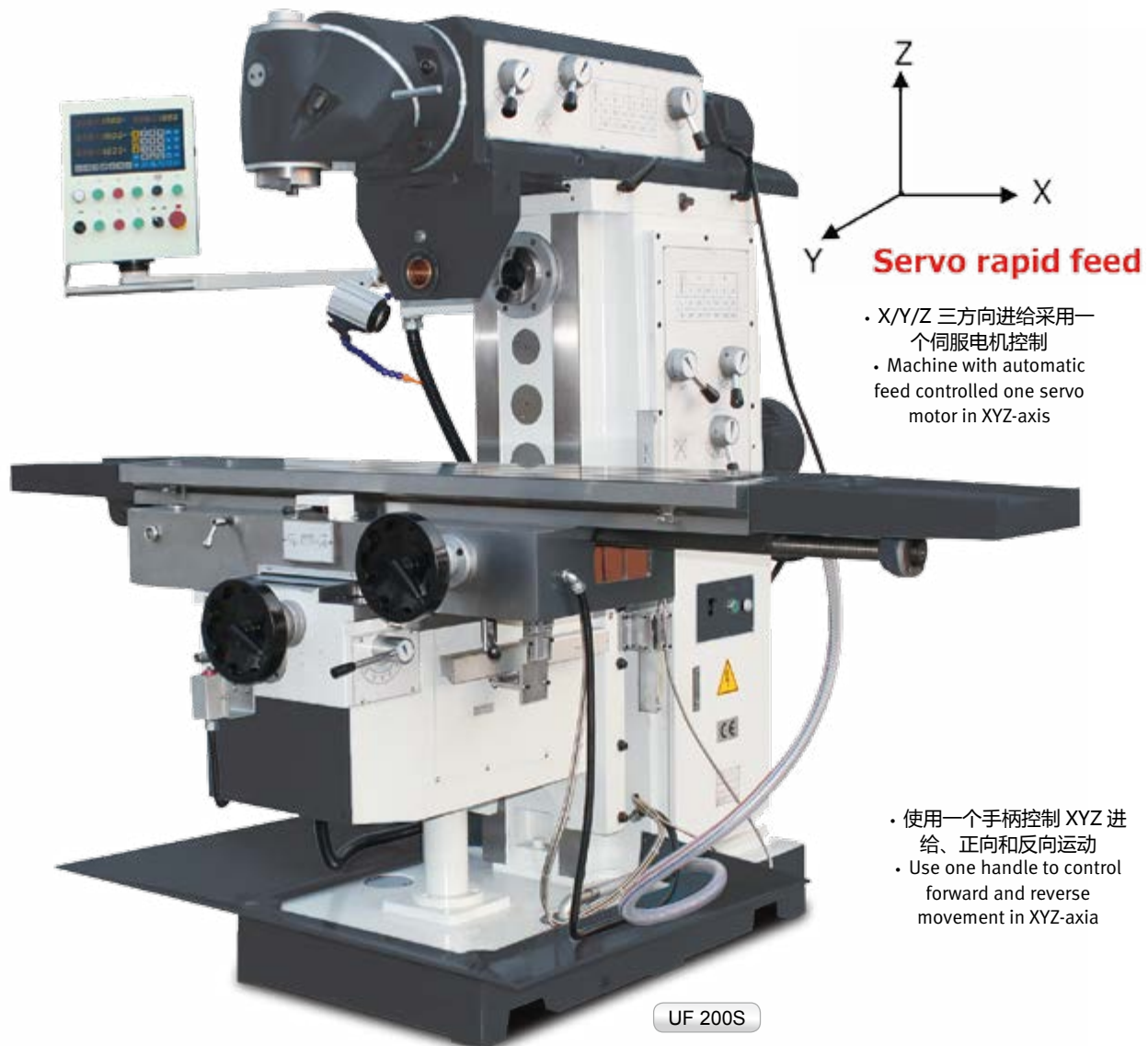
NEW

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	Tabel(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

标准附件

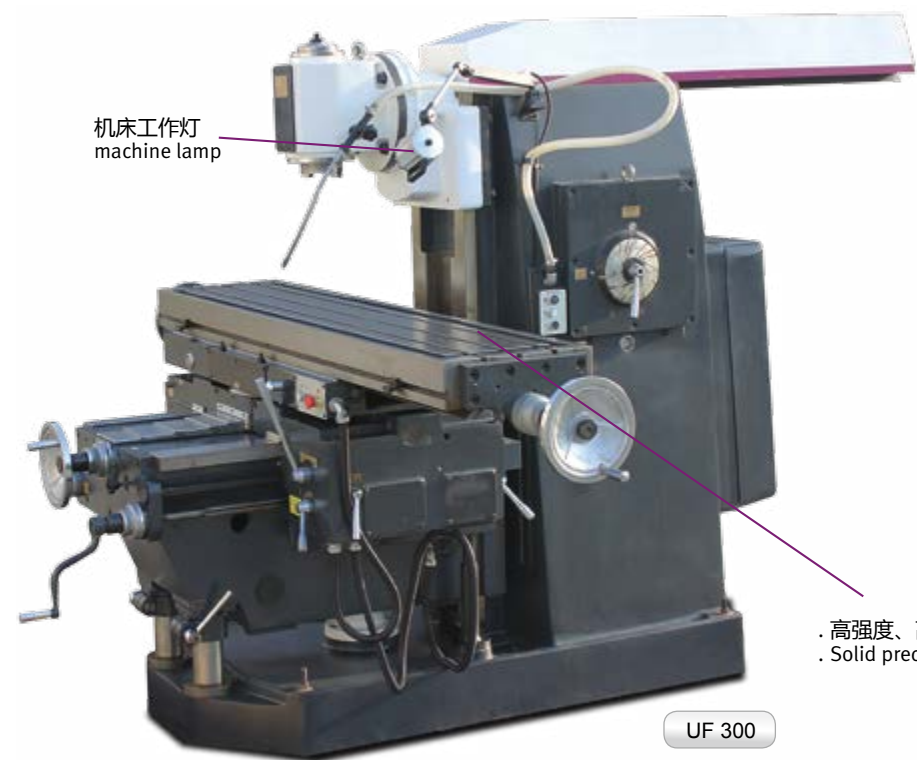
- 卧铣接杆 Φ27、Φ32
- 拉杆 M16
- 双头呆扳手 S22-24、S17-19、S36-41
- 内六扳手 5、10、14
- QB13 平口钳 160mm
- 套筒 M24
- 垫圈 M24
- ISO50 套铣夹头 7:24 ISO50 4\5\6\8\10\12\14\16
- 立式铣刀杆 7:24 ISO50-Φ32

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



. 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
主轴端面到工作台面最小距离	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

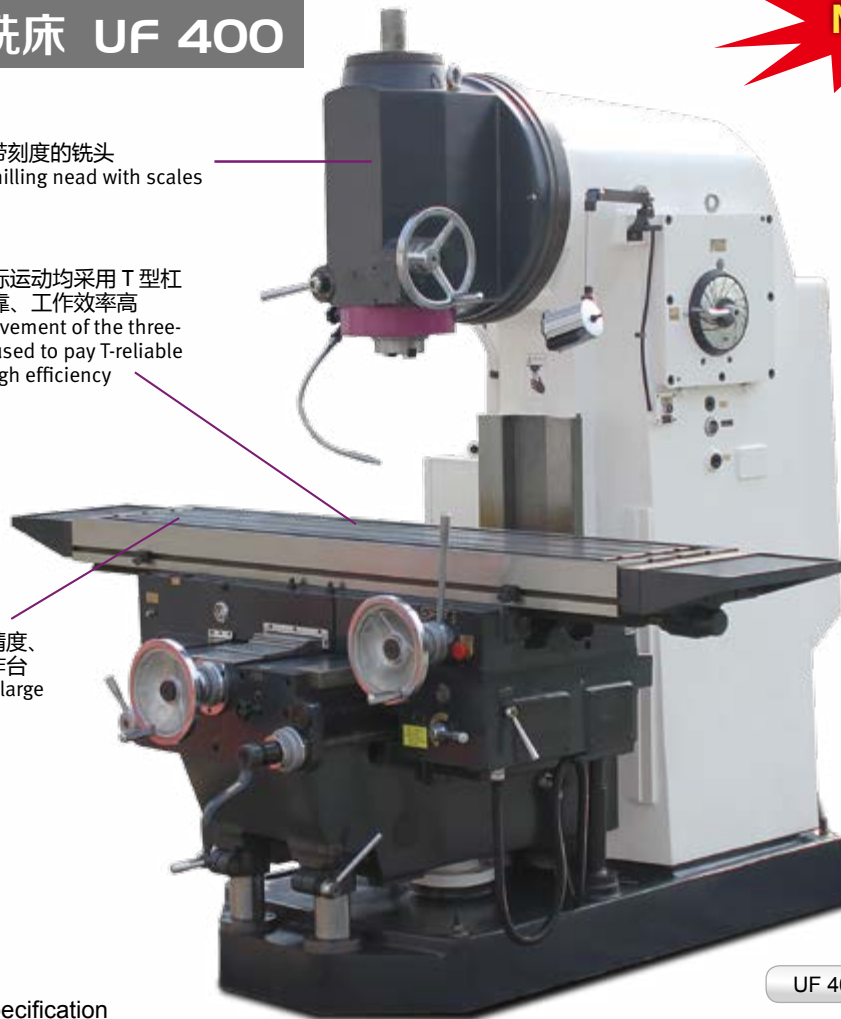
立式升降台铣床 UF 400

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

NEW

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



Servo rapid feed

UF 500 Servo

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

细节展示 Details



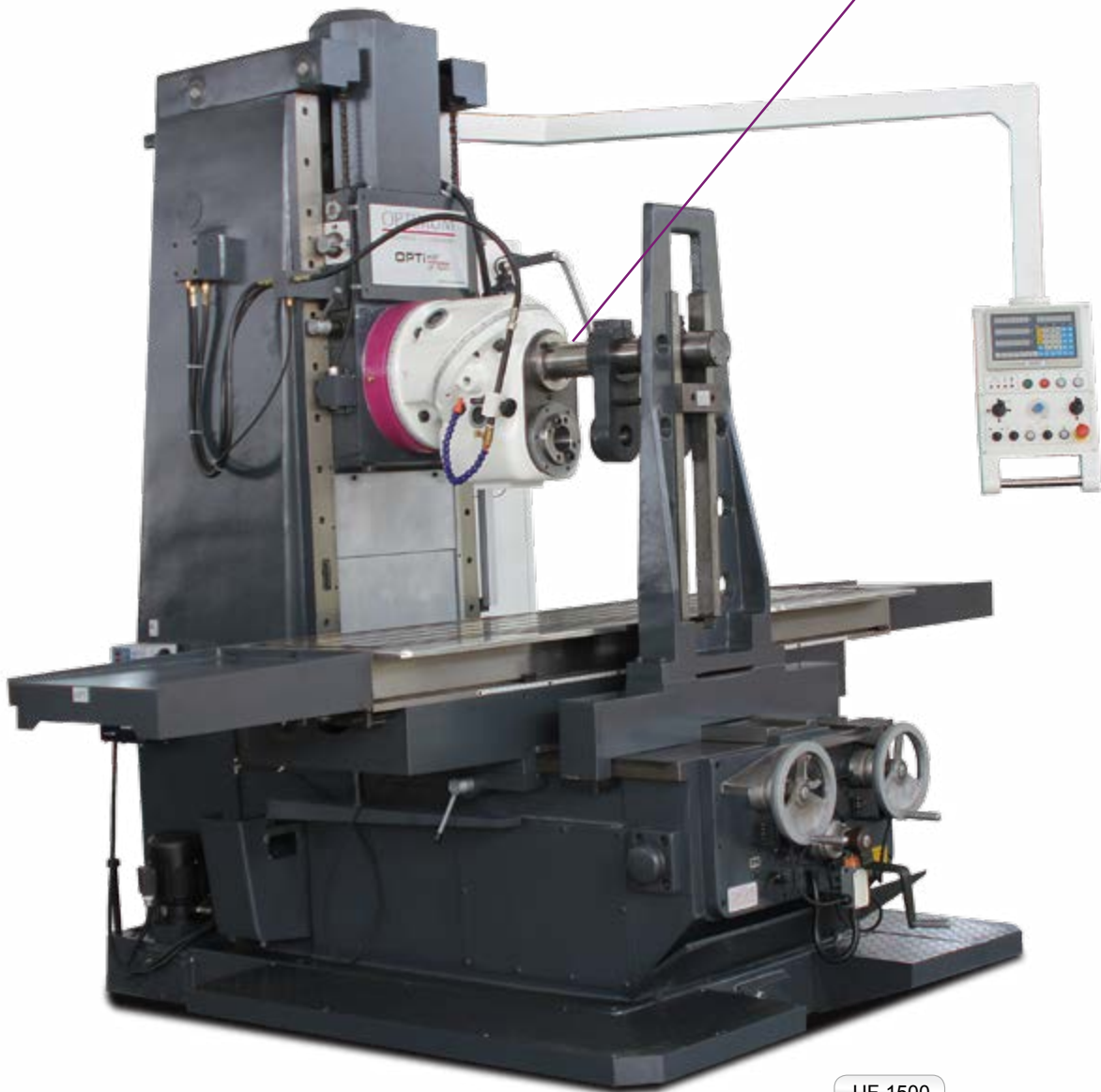
- 通过铣头的旋转，前面半圆可以铣削任何角度表面
- It can mill any angle surface through front half-sphere by swivelling milling head



- 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 $\phi 40$
- 卧铣接杆 $\phi 32$
- 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 $\phi 40$
- Horizontal milling arbor $\phi 32$
- 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.



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 Eletro 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
主轴轴线至工作台最大距离	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

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 Ø 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 Ø 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 Ø/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



Fig.: BT 30

Fig.: BT 40

Fig.: SK 40

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

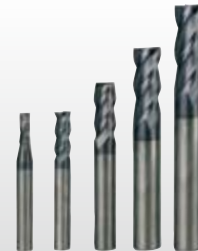
- 10 milling cutter DIN 327 D · short type · 2 cutting edges
DIN 1835 B, (3/4/5/6/8/10/12/14/18/20 mm)
- 10 milling cutter DIN 844 B · short type · 4 cutting edges
DIN 1835 B, (3/4/5/6/8/10/12/14/18/20 mm)



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



- 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
--------------------------	----------	---------------



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
-------------	----------	--------------

- RDHT 1003 MO-FA HF7
- Highly positive cutting edge geometry
- Polished
- To machine AL alloys, copper alloys, plastic materials

RDHT	335 0221	45.00
-------------	----------	--------------



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 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 <?>

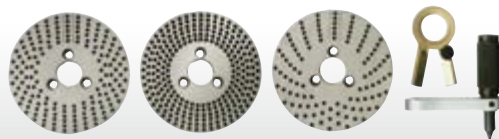
Indirect dividing equipment

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
- Height of centres 72 - 108 mm - suitable for RT 100, RT 150	
Tailstock Rst 2	335 6157
- 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

- Sleuable 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



Fig.: V 99



Fig.: V 250

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



Fig.: KT 180

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



Universal machine base BF 16/BF20

335 3000

Chip tray

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



quantum®

Long-Run®
Machine & Tools

销往国家:

sold to the countries:



英文



中文

Europe Partner:

OPTIMUM Maschinen Germany GmbH

Dr.-Robert-Pfleger-Str.-26

D-96103 Hallstadt/Bamberg

fax: +49/ (0) 9 51 - 96 555 - 888

email: info@optimum-maschinen.de

www.toptechmachine.cn
www.optimum-maschinen.de

Your specialized dealer will give you more detailed information about our products.

扬州欧普兄弟机械工具有限公司
扬州拓展进出口有限公司

地址: 扬州市开发西路99号 邮编: 225009

电话: 86-514-82085021

传真: 86-514-85860395

网址: www.toptechmachine.cn

网址: www.toptechmachine.net

邮箱: jc@toptechmachine.cn

Yangzhou Euro Brother Machine & Tools Co., Ltd.
Yangzhou Developping Imp. & Exp. Co., Ltd.

Add: 99# West Kaifa Road, Yangzhou, China post code: 225009

Tel: 86-514-82085021

Fax: 86-514-85860395

<http://www.toptechmachine.cn>

<http://www.toptechmachine.net>

E-mail: jc@toptechmachine.cn

*本公司产品参数如有变更, 恕不另行通知。
*Reserve the right to change the parameters without prior notice.