CTMACH®

钻铣床

适用于各种中小型零件加工，特别是有色金属材料；塑料；尼龙的切削，具有结构简单，操作灵活等优点，广泛用于单件或是成批的机械制造；仪表工业；建筑装饰和修配部门。 钻铣床是一种中小型通用金属切削机床，即能卧铣，又能立铣。它适用于钻、扩、铰、镗、孔加工；如用圆片铣床、角度铣刀、形成铣刀及端面铣刀，能铣削平面、斜面、垂直面和沟槽等。

应用领域广

适合工厂、维修店铺、学校、科创中心、科研单位教学演示，家用DIY，航模零件、钟表零件加工；

MILLING & DRILLING MACHINE

It is suitable for processing various small and medium-sized parts, especially non-ferrous metal materials; plastic; nylon cutting. It has the advantages of simple structure and flexible operation. It is widely used in single-piece or batch machinery manufacturing; instrument industry; building decoration and repair. department. Drilling and milling machine is a small and medium-sized general-purpose metal cutting machine tool, which can be used for horizontal milling and vertical milling. It is suitable for drilling, expanding, reaming, boring and hole processing; such as with wafer milling machines, angle milling cutters, forming milling cutters and end milling cutters, it can mill planes, inclined surfaces, vertical surfaces and grooves.

Wide range of applications

Suitable for factories, repair shops, schools, science and technology innovation centers, scientific research units teaching demonstrations, home DIY, aircraft model parts, clock parts processing;

最大钻孔能力 20mm
最大面铣能力 50mm
最大立铣能力 16mm

1. 整机65KG，占地面积小，适用于个人爱好者、科研单位和DIY工作室等场所。
2. 采用进口SKF轴承，提高使用寿命和精度。
3. 750W无刷电机，多契带传动，震动小，运行平稳。
4. 无级调速100~3000rpm，方便加工不同工件需求。
5. 三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载面接触、刚性好。
6. CE标准的断电护罩，打开保护罩自动断电，安全可靠。
7. 本机配备三轴数显尺，进给行程可观察。

Drilling Capacity 20mm
Face Milling Capacity 50mm
End Milling Capacity 16mm

1. The whole machine weighs 65KG, occupies a small area, and is suitable for individual hobbyist studios.
2. Use imported SKF bearings to improve service life and accuracy.
3. 750W brushless motor, multi-belt drive, small vibration and smooth operation.
4. Stepless speed adjustment from 100 to 3000 rpm, convenient for processing different workpiece needs.
5. The three axes adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be used for heavy-duty surface contact, and have good rigidity.
6. CE standard power-off protective cover, the power will be automatically cut off when the protective cover is opened, which is safe and reliable.
7. This machine is equipped with a three-axis digital display ruler, and the feed stroke can be observed.

型号	Model	18X
最大钻孔直径	Drilling Capacity	20mm
最大面铣能力	Face Milling Capacity	50mm
最大立铣能力	End Milling Capacity	16mm
工作台尺寸	Table size	500x140mm
T型槽尺寸	T-slot size	10mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	360，140mm
主轴箱头行程	Head travel (Z-Axis)	210mm
主轴锥度	Spindle taper	MT2
主轴行程	Spindle stroke	50mm
主轴轴心到立柱导轨距离	Max. Spindle to Column	170mm
主轴端至工作台面最大距离	Max. Spindle to Table	280mm
主轴箱左右旋角	Spindle incline angle	±90°
主轴转速(无级变速)	Spindle speeds（Variable）	100~3000rpm
电机功率	Motor Power	750W
净重	N.W.	65KG
外形尺寸	Overall dimensions	600x480x830mm

最大钻孔能力 20mm
最大面铣能力 52mm
最大立铣能力 16mm

小型钻铣床

1. 本机床适用于个人爱好者、科研单位和DIY工作室等场所。
2. 采用进口SKF轴承，提高使用寿命和精度。
3. 无级调速，齿轮传动，高低速挡位，主轴转速100~3000rpm。
4. 三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载面接触、刚性好。
5. CE标准的断电护罩，打开保护罩自动断电，安全可靠。

Drilling Capacity 20mm
Face Milling Capacity 52mm
End Milling Capacity 16mm

SMALL DRILLING AND MILLING MACHINE

1. This machine tool is suitable for individual enthusiasts, scientific research units, DIY studios and other places.
2. Use imported SKF bearings to improve service life and accuracy.
3. Stepless speed regulation, gear transmission, main shaft speed 100~3000rpm.
4. The three axes adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be used for heavy-load surface contact, and have good rigidity.
5. CE standard power-off protective cover, the power will be automatically cut off when the protective cover is opened, which is safe and reliable.

型号	Model	CTGS20
最大钻孔直径	Drilling Capacity (Iron)	20mm
最大面铣能力	Face Milling Capacity	52mm
最大立铣能力	End Milling Capacity	16mm
工作台尺寸	Table size	400x120mm
T型槽尺寸	T-slots size	10mm x3
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	230，145mm
主轴箱头行程	Head travel (Z-Axis)	200mm
主轴锥度	Spindle taper	MT2
主轴行程	Spindle stroke	50mm
主轴箱左右倾斜	Head tilt	±45°
主轴转速(无级变速)	Stepless speeds（Variable）	100~3000rpm
电机功率	Motor Power	600W
净重	N.W.	75KG
外形尺寸	Overall dimensions	480x440x840mm

最大钻孔能力 20mm
最大面铣能力 52mm
最大立铣能力 18mm

小型钻铣床

1. 本机床适用于个人爱好者、科研单位和DIY工作室等场所。
2. 采用进口SKF轴承，提高使用寿命和精度。
3. 750W直流无刷电机，主轴无级调速，100~2250rpm。
4. 盖茨同步带传动，噪音低，传动效率高。
5. 主轴头可左右倾斜45°。
6. 三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载，面接触、刚性好。
7. CE标准的断电护罩，打开保护罩自动断电，安全可靠。

Drilling Capacity 20mm
Face Milling Capacity 52mm
End Milling Capacity 18mm

SMALL DRILLING AND MILLING MACHINE

1. This machine tool is suitable for individual enthusiasts, scientific research units, DIY studios and other places.
2. Use imported SKF bearings to improve service life and accuracy.
3. 750W brushless DC motor, stepless speed regulation of the spindle, 100~2250rpm.
4. Gates synchronous belt transmission, low noise and high transmission efficiency.
5. The spindle head can be tilted 45° left and right.
6. The three axes adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be heavy-loaded, have surface contact and have good rigidity.
7. CE standard power-off protective cover, the power will be automatically cut off when the protective cover is opened, which is safe and reliable.

型号	Model	CTV21
最大钻孔直径	Drilling Capacity	20mm
最大面铣能力	Face Milling Capacity	52mm
最大立铣能力	End Milling Capacity	18mm
工作台尺寸	Table size	400x120mm
T型槽尺寸	T-slot size	10mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	220，160mm
主轴箱头行程	Head travel (Z-Axis)	200mm
主轴行程	Spindle stroke	50mm
主轴锥度	Spindle taper	MT2
主轴轴心到立柱导轨距离	Max. Spindle to Column	170mm
立轴端到工作台面距离	Max. Spindle to Table	275mm
主轴箱左右倾斜角度	Spindle incline angle:	±45°
主轴转速范围（无级转速）	Spindle Speeds（Variable）	100~2250rpm
电机功率	Motor Power	750W
外形尺寸	Overall dimensions	510x490x750mm
重量	N.W.	60KG

可选：标准版或三轴数显版
Optional: Standard or three-axis digital display

最大钻孔能力 25mm
最大面铣能力 63mm
最大立铣能力 16mm

小型台式钻铣床

1. 高精密圆锥滚子轴承。
2. 1.1KW直流无刷电机，主轴无级调速，100~2250rpm。
3. 盖茨同步带传动，噪音低，传动效率高。
4. 三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载，面接触、刚性好。
5. CE标准的断电护罩，打开保护罩自动断电，安全可靠。

Drilling Capacity 25mm
Face Milling Capacity 63mm
End Milling Capacity 16mm

SMALL DESKTOP DRILLING AND MILLING MACHINE

1. High precision tapered roller bearings.
2. 1.1KW DC brushless motor, spindle stepless speed regulation, 100~2250rpm.
3. Gates synchronous belt drive, low noise and high transmission efficiency.
4. The three axes adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be heavy-loaded, have surface contact and have good rigidity.
5. CE standard power-off guard, open the guard to automatically cut off the power, safe and reliable.

WMD25V

WMD25V（PLUS)

型号	Model	WMD25V	WMD25V（Plus)
最大钻孔直径	Drilling Capacity	25mm	
最大面铣能力	Face Milling Capacity	63mm	
最大立铣能力	End Milling Capacity	16mm	
工作台尺寸	Table size	500x180mm	700x180mm
T型槽尺寸	T-slot size	12mm x3	
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	285, 160mm	480, 160mm
主轴行程	Spindle stroke	50mm	
主轴锥度	Spindle taper	MT3	R8
主轴轴心到立柱导轨距离	Max. Spindle to Column	160mm	
立轴端到工作台面距离	Max. Spindle to Table	370mm	
主轴箱左右倾斜角度	Head tilt	±90°	
主轴转速范围（无级转速）	Spindle Speeds（Variable)	100~2250rpm	
电机功率	Motor Power	1100W	
外形尺寸	Overall dimensions	750x580x940mm	950x580x940mm
重量	N.W.	105Kg	115Kg

最大钻孔能力 25mm
最大面铣能力 52mm
最大立铣能力 16mm

小型圆立柱钻铣床

1. 主轴为齿轮变速，6 挡变速（含高低速挡），变速方便。
2. 主轴箱可升降，也可绕立柱回转 360°、可左右倾斜 ±90°
3. 主轴箱工作台升降采用蜗轮、蜗杆机构，操作轻快。
4. 钻孔深度可由固定在套筒上的标尺、定程螺母控制，方便、准确。
5. XY轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载、面接触、刚性好。

Drilling Capacity 25mm
Face Milling Capacity 52mm
End Milling Capacity 16mm

Small circular column drilling and milling machine

1. The main shaft adopts gear transmission, 6-speed transmission (including high and low speed gears), which is convenient for speed change.
2. The main spindle box can be raised and lowered, rotated 360° around the column, and tilted left and right ±90°
3. The main spindle box worktable is lifted and lowered using a worm gear and worm mechanism, which is easy to operate.
4. The drilling depth can be controlled by the ruler and fixed distance nut fixed on the sleeve, which is convenient and accurate.
5. The XY axis adopts dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be overloaded, face contact, and have good rigidity.

型号	Model	CTZX25
最大钻孔直径	Drilling Capacity (Iron)	25mm
最大面铣能力	Face Milling Capacity	52mm
最大立铣能力	End Milling Capacity	16mm
工作台尺寸	Table size	520x160mm
T型槽尺寸	T-axis stroke	16mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	290，140mm
主轴锥度	Spindle taper	MT3
主轴行程	Spindle stroke	85mm
主轴轴心到立柱导轨距离	Max. Spindle to Column	203mm
主轴端面至工作台面距离	Max. Spindle to Table	445mm
主轴箱左右倾斜	Head tilt	±45°
主轴转速	Spindle speeds	95~1420rpm
电机功率	Motor Power	750W
净重	N.W.	132KG
外形尺寸	Overall dimensions	680x680x1030mm

工业级小型钻铣床

1. 本机床适用于个人爱好者、科研单位、维修店铺和DIY工作室等场所。
2. 采用进口SKF轴承，提高使用寿命和精度。
3. 750W主轴直驱电机，无级调速100~2500rpm。
4. 高精度稳定铣削，高强度轻松钻孔，自动反转攻丝。
5. 配备三轴数显表和自动走刀器，提高工作效率。
6. 三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载面接触、刚性好。
7. CE标准的断电护罩，打开保护罩自动断电，安全可靠。

最大钻孔能力 25mm
最大面铣能力 63mm
最大立铣能力 16mm

Drilling Capacity 25mm
Face Milling Capacity 63mm
End Milling Capacity 16mm

Industrial grade small drilling and milling machine

1. This machine tool is suitable for individual enthusiasts, scientific research institutions, repair shops, DIY studios and other places.
2. Use imported SKF bearings to improve service life and accuracy.
3. 750W spindle direct drive motor, stepless speed regulation 100~2500rpm.
4. The three axes adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be used for heavy-load surface contact, and have good rigidity.
5. CE standard power-off protective cover, the power will be automatically cut off when the protective cover is opened, which is safe and reliable.

型号	Model	X25
最大钻孔直径	Drilling Capacity	25mm
最大面铣能力	Face Milling Capacity	63mm
最大立铣能力	End Milling Capacity	16mm
工作台尺寸	Table size	700x180mm
T型槽尺寸	T-slots size	12mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	485，140mm
主轴锥度	Spindle taper	R8
主轴行程	Spindle stroke	70mm
主轴轴心到立柱导轨距离	Max. Spindle to Column	160mm
主轴端面至工作台面距离	Max. Spindle to Table	370mm
主轴箱左右倾斜	Head tilt	±90°
主轴转速（无级变速）	Spindle speeds（Variable）	100~2500rpm
电机功率	Motor Power	750W
净重	N.W.	123KG
外形尺寸	Overall dimensions	960x580x780mm

迷你炮塔式钻铣床
Mini Turret Drilling and Milling Machine

工作台升降式，精度高。铣头可±45°倾斜，360°旋转，方便特殊工件及角度加工。
1500W三相大功率电机，提供强劲动力，性能佳、寿命长、效率高。
变频电机无级变速非常静音，带手动油泵，工作灯。
工作台X.Y轴自动走刀，CE标准断电保护。
三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载面接触、刚性好。

The worktable is liftable and has high precision. The milling head can be tilted ±45° and rotated 360°, which is convenient for processing special workpieces and angles.
1500W three-phase high-power motor provides strong power, good performance, long life and high efficiency.
Variable frequency motor stepless speed change is very quiet, with manual oil pump, work light.
The X.Y axis of the worktable automatically moves the tool, and the CE standard power-off protection.
The three-axis adopts dovetail guide rail with adjustable taper inserts, which is wear-resistant, can be heavy-loaded with surface contact, and has good rigidity.

型号	Model	X28
钻孔直径	Drilling Capacity	28 mm
立铣直径	End Milling Capacity	16 mm
面铣直径	Face Milling Capacity	63 mm
主轴转速范围（无级变速）	Spindle speeds （Variation）	100~600 / 425~2500 rpm
主轴箱头倾斜	Head tilt	±45°
炮塔或立柱旋转	Turret or Column Swivel (Left/Right)	360°
工作台/T 型槽	Table size / T-slot size	660x156mm /14mmx3
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	350 ， 160 mm
工作台升降行程	Knee Table Travel (Z-Axis)	280 mm
主轴套筒行程	Spindle Travel	80 mm
主轴端与工作台的最大距离	Max. Spindle to Table	310 mm
主轴轴线到立柱距离	Distance From Spindle to Base	165 mm
主轴锥度	Spindle Taper	MT3
电机功率	Motor	1500 w
外形尺寸	Overall dimensions	1075x1100x1200mm
净重	N.W.	230KG

工业级台式钻铣床

1. 主轴箱齿轮淬火处理，采用进口SKF轴承，提高使用寿命和精度。
2. 750W主轴电机，主轴6挡齿轮变速，最高可达到1420RPM。
3. 高精度稳定铣削，高强度轻松钻孔，主轴深度限位。
4. 宽大工作台面，人工精磨，一体铸造，T型槽方便夹具固定，主轴头部可左右倾斜45°。
5. 工作台及立柱采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载面接触、刚性好。
6. 可在本机器上加装自动走刀器和三轴光栅数显尺。
7. 本机床适用于个人爱好者、科研单位和维修店铺等场所。

最大钻孔能力 32mm
最大面铣能力 63mm
最大立铣能力 20mm

Drilling Capacity 32mm
Face Milling Capacity 63mm
End Milling Capacity 20mm

INDUSTRIAL BENCH DRILLING AND MILLING MACHINE

1. The spindle box gear is quenched and imported SKF bearings are used to improve service life and accuracy.
2. 750W spindle motor, 6-speed spindle gear speed, up to 1420RPM.
3. High-precision and stable milling, high-strength easy drilling, and spindle depth limit.
4. Large work surface, manual precision grinding, one-piece casting, T-shaped slot for convenient fixture fixing, and the spindle head can be tilted 45° left and right.
5. The workbench and columns adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be used for heavy-load surface contact, and have good rigidity.
6. An automatic tool feeder and a three-axis grating digital display ruler can be installed on this machine.
7. This machine tool is suitable for individual enthusiasts, scientific research institutions, maintenance shops and other places.

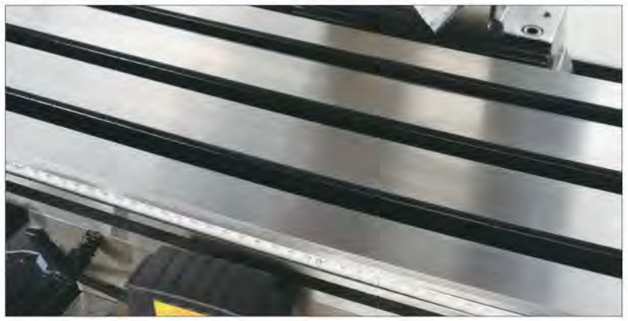
型号	Model	CTZX32
最大钻孔直径	Drilling diameter	32mm
最大面铣能力	Face milling capacity	63mm
最大立铣能力	End milling capacity	20mm
工作台尺寸	Table size	700x180mm
T型槽尺寸	T-slot	12mm
工作台行程（X，Y行程）	Table travel（X-, Y-Axis)	410，205mm
主轴箱头升降行程	Head travel (Z-Axis)	310mm
主轴行程	Spindle stroke	85mm
主轴锥度	Spindle taper	MT3
主轴轴心到立柱导轨距离	Max. Spindle to Column	203mm
立轴端到工作台面距离	Max. Spindle to Table	445mm
主轴箱左右倾斜角度	Head tilt	45°
主轴转速（级数）	Spindle speeds（Grade）	95~1420rpm（6）
电机功率	Motor Power	750W
外形尺寸	Overall dimensions	1000x800x1200mm
净重	N.W.	205KG

高速钻铣床

High speed drilling and milling machine

1500W大功率直流无刷电机，无级调速，高低挡位，5000RPM高转速。
低噪音、低功耗，扭矩大。
用进口SKF轴承，提高使用寿命和精度。主轴箱头电动升降，可左右倾斜90°。
三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载面接触、刚性好。
本机配有自动走刀器、三轴数显，冷却系统和工作灯。

最大钻孔能力 32mm
最大面铣能力 76mm
最大立铣能力 20mm



Drilling Capacity 32mm
Face Milling Capacity 76mm
End Milling Capacity 20mm

1500W high-power brushless DC motor, stepless speed regulation, high and low gears, 5000RPM high speed.
Low noise, low power consumption, high torque.
Use imported SKF bearings to improve service life and accuracy. The spindle head can be lifted and lowered electrically, and can be tilted 90° left or right.
The three axes adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be used for heavy-load surface contact, and have good rigidity.
This machine is equipped with an automatic tool feeder, three-axis digital display, cooling system and work light.

型号	Model	X35
最大钻孔直径	Drilling Capacity (Iron)	32mm
最大面铣能力	Face Milling Capacity	76mm
最大立铣能力	End Milling Capacity	20mm
工作台尺寸	Table size	840x210mm
T型槽尺寸	T-slots size	14mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	580, 200mm
主轴锥度	Spindle taper	MT3
主轴行程	Spindle stroke	100mm
主轴轴心到立柱导轨距离	Max. Spindle to Column	190mm
主轴端面至工作台面距离	Max. Spindle to Table	470mm
主轴箱左右倾斜	Head tilt	±90°
主轴转速（无级变速）	Spindle speeds（Variable）	80~5000rpm
电机功率	Motor Power	1500W
净重	N.W.	247KG
外形尺寸	Overall dimensions	1300x865x1780mm

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工业级小型高速钻铣床

1. 本机床适用于个人爱好者、科研单位、DIY工作室和维修店铺等场所。
2. 采用进口SKF轴承，提高使用寿命和精度。
3. 1.1KW大功率电机，主轴无级调速，高低速挡位，齿轮传动，最高可达3000rpm，
4. 三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载面接触、刚性好。
4. 内置隐藏式工作灯和冷却系统，加工高硬度金属也能从容应对。
6. CE标准的断电护罩，打开保护罩自动断电，安全可靠。

最大钻孔能力 35mm
最大面铣能力 70mm
最大立铣能力 30mm

Drilling Capacity 35mm
Face Milling Capacity 70mm
End Milling Capacity 30mm

Industrial grade small high speed drilling and milling machine

1. This machine tool is suitable for individual enthusiasts, scientific research institutions, DIY studios, repair shops and other places.
2. Use imported SKF bearings to improve service life and accuracy.
3. 1.1KW high-power motor, stepless speed regulation of the spindle, high and low speed gears, gear transmission, up to 3000rpm,
4. The three axes adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be used for heavy-load surface contact, and have good rigidity.
4. Built-in hidden work light and cooling system, it can handle high-hardness metals with ease.
6. CE standard power-off protective cover, the power will be automatically cut off when the protective cover is opened, which is safe and reliable.

型号	Model	CTGS35
最大钻孔直径	Max. drilling diameter	35mm
最大面铣能力	Max. face milling capacity	70mm
最大立铣能力	Max. vertical milling capacity	30mm
工作台尺寸	Table size	840x210mm
T型槽	T-slot size	14mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	570, 200mm
主轴箱头行程	Head travel (Z-Axis)	350mm
主轴行程	Spindle stroke	70mm
主轴锥度	Spindle taper	MT3/M12
主轴轴心到立柱导轨距离	Max. Spindle to Column	180mm
立轴端到工作台面距离	Max. Spindle to Table	470mm
主轴箱左右倾斜角度	Head tilt	±45°
主轴转速范围（无级变速）	stepless speed (Variation)	50~3000rpm
电机功率	Motor Power	1100W
外形尺寸	Overall dimensions	870x630x1000mm
重量	N.W.	235KG

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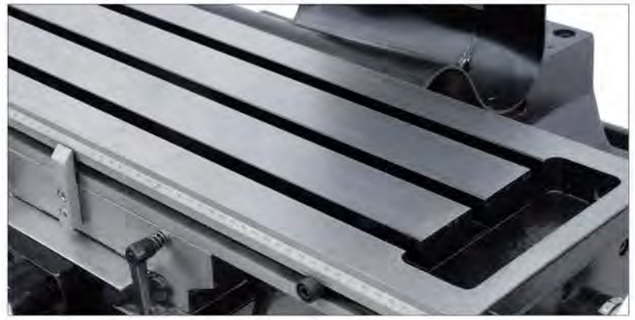
最大钻孔能力 36mm
最大面铣能力 76mm
最大立铣能力 30mm

1. 本机床适用于个人爱好者、科研单位、维修店铺和DIY工作室等场所。
2. 采用进口SKF轴承，提高使用寿命和精度。
3. 1.5KW足功率直流无刷电机；主轴无级调速，100~2250rpm。
4. 盖茨同步带传动，噪音低，传动效率高。
5. 三轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载面接触、刚性好。
6. CE标准的断电护罩，打开保护罩自动断电，安全可靠。
7. CTV36可选标准版或高配版（含自动走刀器和光栅速显尺）



Drilling Capacity 36mm
Face Milling Capacity 76mm
End Milling Capacity 30mm

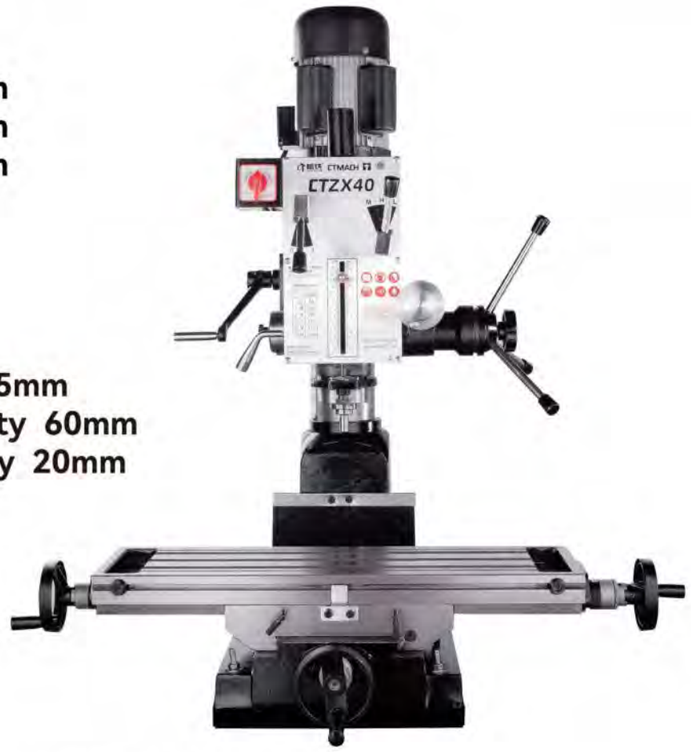
1. This machine tool is suitable for individual enthusiasts, scientific research institutions, repair shops, DIY studios and other places.
2. Use imported SKF bearings to improve service life and accuracy.
3. 1.5KW full power brushless DC motor; spindle stepless speed regulation, 100~2250rpm.
4. Gates synchronous belt transmission, low noise and high transmission efficiency.
5. The three axes adopt dovetail guide rails with adjustable taper inserts, which are wear-resistant, can be used for heavy-duty surface contact, and have good rigidity.
6. CE standard power-off protective cover, the power will be automatically cut off when the protective cover is opened, which is safe and reliable.
7. The CTV36 is available in either the standard version or the high-end version (including an automatic tool feed device and DRO).

型号	Model	CTV36
最大钻孔直径	Drilling Capacity	36mm
最大面铣能力	Face Milling Capacity	76mm
最大立铣能力	End Milling Capacity	30mm
工作台尺寸	Table size	700x210mm
T型槽尺寸	T-slot size	14mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	440，200mm
主轴箱头行程	Head travel (Z-Axis)	400mm
主轴行程	Spindle stroke	70mm
主轴锥度	Spindle taper	MT3
主轴轴心到立柱导轨距离	Max. Spindle to Column	190mm
立轴端到工作台面距离	Max. Spindle to Table	470mm
主轴箱左右倾斜角度	Spindle incline angle:	±45°
主轴无级转速	stepless speed variation	100~2250rpm
电机功率	Motor Power	1500W
外形尺寸	Overall dimensions	1000x700x1000mm
重量	N.W.	220KG

工业级小型圆立柱钻铣床

1. 主轴为齿轮变速，6 挡变速（含高低速挡），变速方便。
2. 主轴箱可升降，也可绕立柱回转 360°、可左右倾斜 ±90°
3. 主轴箱工作台升降采用蜗轮、蜗杆机构，操作轻快。
4. 钻孔深度可由固定在套筒上的标尺、定程螺母控制，方便、准确。
5. XY轴采用燕尾导轨，配可调节锥度镶条，耐磨损，可重载、面接触、刚性好。
6. 广泛用于工厂、维修店铺、学校、科创中心及科研单位教学演示使用，适合家用DIY，航模零件、钟表零件加工；

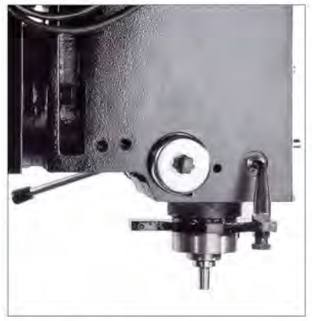
最大钻孔能力 45mm
最大面铣能力 60mm
最大立铣能力 20mm



Drilling Capacity 45mm
Face Milling Capacity 60mm
End Milling Capacity 20mm

Industrial Small Column Drilling and Milling Machine

1. The main shaft is geared, with 6 gears (including high and low gears), which is convenient for shifting.
2. The headstock can be raised and lowered, and can also be rotated 360° around the column, and can be tilted left and right ±90°
3. The lifting and lowering of the working table of the spindle box adopts the worm gear and worm mechanism, and the operation is light and fast.
4. The drilling depth can be controlled by the ruler fixed on the sleeve and the fixed distance nut, which is convenient and accurate.
5. The XY axis adopts dovetail guide rails with adjustable taper inserts, which are wear-resistant, heavy-duty, surface-contact, and rigid.
6. Widely used in factories, maintenance shops, schools, science and technology innovation centers and scientific research units teaching demonstration use, suitable for household DIY, model airplane parts, clock parts processing;



型号	Model	CTZX40
最大钻孔直径	Drilling Capacity (Iron)	45mm
最大面铣能力	Face Milling Capacity	60mm
最大立铣能力	End Milling Capacity	20mm
最大攻丝能力	Threading capacity	M16
工作台尺寸	Table size	800x240mm
T型槽	T-slots size	16mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	580, 200mm
主轴锥度	Spindle taper	MT4
主轴行程	Spindle stroke	130mm
主轴轴心到立柱导轨距离	Max. Spindle to Column	285mm
主轴端面至工作台面距离	Max. Spindle to Table	430mm
主轴箱左右倾斜	Head tilt	±45°
主轴转速（级数）	Spindle Speeds（grade）	80~1250rpm（6）
电机功率	Motor Power	1500W
净重	N.W.	305KG
外形尺寸	Overall dimensions	1200x850x1100mm

最大钻孔能力 45mm
最大面铣能力 80mm
最大立铣能力 32mm
最大攻丝能力 M30

工业级台式钻铣床

1. 主轴箱齿轮淬火处理，采用进口SKF轴承，提高使用寿命和精度。
2. 高精度稳定铣削，高强度轻松钻孔，限位自动反转攻丝
4. 宽大工作台面，人工精磨，一体铸造，T型槽方便夹具固定，主轴头部可左右倾斜90°。
5. 工作台及立柱采用燕尾导轨，锥度镶条调节导轨间隙，耐磨损，可重载面接触、刚性好。
5. 1.5KW大功率主轴电机，主轴6挡齿轮变速，最高可达到1250RPM。
6. 可在本机器上加装自动走刀器和三轴光栅数显尺。
7. 本机床适用于工厂、科研单位和维修店铺等场所。

Drilling Capacity 45mm
Face Milling Capacity 80mm
End Milling Capacity 32mm
Tapping Capacity M30

INDUSTRIAL BENCH DRILLING AND MILLING MACHINE

1. Spindle box gear quenching treatment, using imported SKF bearings, improve service life and accuracy.
2. High precision and stable milling, high strength and easy drilling, limit automatic reverse tapping
4. Wide working table, artificial grinding, one casting, T-slot convenient fixture fixation, spindle head can tilt 90°.
5. Table and column adopts dovetail guide rail, with adjustable taper insert, wear resistance, heavy surface contact, good rigidity.
5. 1.5KW high-power spindle motor, spindle 6-gear transmission, up to 1250RPM.
6. The machine can be equipped with automatic tool runner and three-axis grating digital ruler.
7. This machine tool is suitable for factories, scientific research units and repair shops.

型号	Model	CTZX45
最大钻孔直径	Drilling diameter	45mm
最大面铣能力	Face milling capacity	80mm
最大立铣能力	End milling capacity	32mm
最大攻丝能力	Tapping capacity	M30
工作台尺寸	Table size	800x240mm
T型槽尺寸	T-slot	16mm
工作台行程（X，Y行程）	Table travel（X-, Y-Axis）	580，200mm
主轴行程	Spindle stroke	130mm
主轴锥度	Spindle taper	MT4
主轴轴心到立柱导轨距离	Max. Spindle to Column	260mm
立轴端到工作台面距离	Max. Spindle to Table	450mm
主轴箱左右倾斜角度	Head tilt	±90°
主轴转速（级数）	Spindle speeds （Grade）	80~1250rpm (6)
电机功率	Motor Power	1500W
外形尺寸	Overall dimensions	845x910x1020mm
净重	N.W.	325KG

最大钻孔能力 45mm
最大面铣能力 80mm
最大立铣能力 32mm
最大攻丝能力 M30

工业级台式钻铣床

1. 主轴箱齿轮淬火处理，采用进口SKF轴承，提高使用寿命和精度。
2. 1.5KW大功率主轴电机，高低速挡位，主轴无级调速，100~2600RPM。
3. 高精度稳定铣削，高强度轻松钻孔，限位自动反转攻丝
4. 宽大工作台面，人工精磨，一体铸造，T型槽方便夹具固定，主轴头部可左右倾斜90°。
5. 工作台及立柱采用燕尾导轨，锥度镶条调节导轨间隙，耐磨损，可重载面接触、刚性好。
6. 工作台可自动进给。
7. 本机床适用于工厂、科研单位和维修店铺等场所。

Drilling Capacity 45mm
Face Milling Capacity 80mm
End Milling Capacity 32mm
Tapping Capacity M30

INDUSTRIAL BENCH DRILLING AND MILLING MACHINE

1. The spindle box gear is quenched and imported SKF bearings are used to improve service life and accuracy.
2. 1.5KW high-power spindle motor, high and low speed gears, stepless spindle speed regulation, 100~2600RPM.
3. High-precision and stable milling, high-strength easy drilling, and limited automatic reverse tapping
4. Large work surface, manual precision grinding, one-piece casting, T-shaped slot for convenient fixture fixing, and the spindle head can be tilted 90° left and right.
5. The workbench and columns adopt dovetail guide rails, and the tapered inserts adjust the guide rail clearance. They are wear-resistant, can be used for heavy-load surface contact, and have good rigidity.
6. The workbench can feed automatically.
7. This machine tool is suitable for factories, scientific research units, maintenance shops and other places.

型号	Model	CTZX45V
最大钻孔直径	Drilling Capacity	45mm
最大面铣能力	Face Milling Capacity	80mm
最大立铣能力	End Milling Capacity	32mm
最大攻丝能力	Threading capacity	M30
工作台尺寸	Table size	800x240mm
T型槽尺寸	T-slots size	16mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	580，275mm
主轴箱头行程	Head travel (Z-Axis)	450mm
主轴锥度	Spindle stroke	MT4
主轴行程	Spindle Travel	130mm
主轴轴心到立柱导轨距离	Max. Spindle to Column	260mm
主轴箱左右倾斜	Head tilt	±90°
主轴转速（无级变速）	Spindle Speeds（Variable）	100~2600rpm
电机功率	Motor Power	1500W
净重	N.W.	345KG
外形尺寸	Overall dimensions	1150x1070x1020mm

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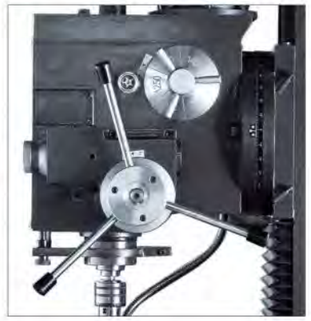
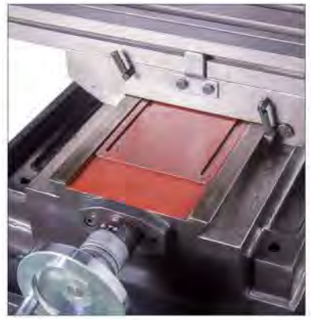
最大钻孔能力 45mm
最大面铣能力 80mm
最大立铣能力 32mm
最大攻丝能力 M30

工业级重型自动进给钻铣床

1. 主轴箱齿轮淬火处理，采用进口SKF轴承，提高使用寿命和精度。
2. 1.5KW大功率异步电机，6挡齿轮变速，80~1250RPM。
3. 主轴箱头机动升降，主轴自动进给。
4. 高精度稳定铣削，高强度轻松钻孔，限位自动反转攻丝。
5. 宽大工作台面，人工精磨，一体铸造，T型槽方便夹具固定，主轴头部可左右倾斜45°。
6. 工作台及立柱采用燕尾导轨，锥度镶条调节导轨间隙，耐磨损，可重载面接触、刚性好。
7. 本机床适用于工厂、科研单位和维修店铺等场所。





Drilling Capacity 45mm
Face Milling Capacity 80mm
End Milling Capacity 32mm
Tapping Capacity M30

Industrial grade automatic feed drilling and milling machine

1. Spindle box gear quenching treatment, using imported SKF bearings, improve service life and accuracy.
2. 1.5KW high power asynchronous motor, 6-gear transmission, 80~1250RPM.
3. Spindle head motor lift, spindle automatic feed.
4. High precision and stable milling, high strength and easy drilling, limit automatic reverse tapping.
5. Wide working table, artificial grinding, one casting, T-groove is easy to fix the fixture, spindle head can tilt 45°.
6. Table and column adopts dovetail guide rail, taper insert to adjust the gap of guide rail, wear resistance, heavy surface contact, good rigidity.
7. This machine tool is suitable for factories, scientific research units and repair shops.

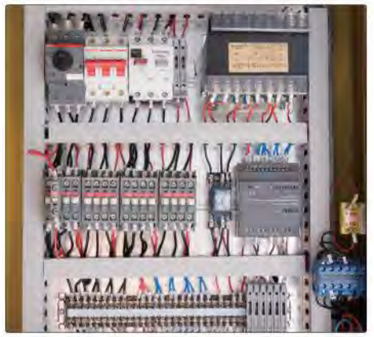
型号	Model	CTZD45
最大钻孔直径	Drilling Capacity	45mm
最大面铣能力	Face Milling Capacity	80mm
最大立铣能力	End Milling Capacity	32mm
最大攻丝能力	Threading capacity	M30
工作台尺寸	Table size	800x240mm
T型槽尺寸	T-slots size	16mm x3
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	580，275mm
主轴箱头行程	Head travel (Z-Axis)	450mm
主轴锥度	Spindle taper	MT4
主轴行程	Spindle travel	130mm
主轴自动进给范围（级数）	Quill Feed Rates (Grade)	0.06~0.30/prm（3）
主轴轴心到立柱导轨距离	Max. Spindle to Column	260mm
主轴箱左右倾斜	Head tilt	45°
主轴转速（级数）	Spindle speeds (Grade)	80~1250rpm（6）
电机功率	Motor Power	1500W
净重	N.W.	310KG
外形尺寸	Overall dimensions	1150x1070x1430mm

工业级钻铣床

适用于在金属材料和其他材料上进行钻孔、扩孔、较孔加工，还可以进行端面铣削和立铣加工及攻制螺孔等。
主轴自动进给采用独立电机驱动，无级调速控制进给速度范围，攻丝自动反转，主轴手柄设有正反转按钮。
900x260mm的T型槽工作台，可横向自动进给，提高铣削加工精度。
全金属齿轮传动、变速范围广而适用。
工作台及立柱采用燕尾导轨具有足够的刚度和稳定性。
三轴光栅数显，便于观察或跟踪进给行程，大大提高加工精度。
独立的冷却系统，水泵电机0.09KW，25L/min。
厚重的地柜，承载力更大，钻铣作业更稳定。

Benchtop Mill/Drill with Power Feed and Tapping

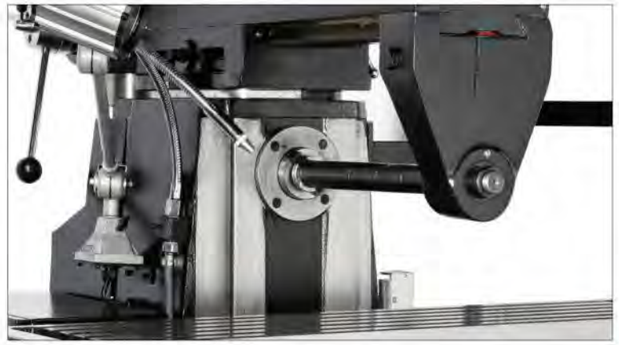
It is suitable for drilling, reaming and hole machining on metal materials and other materials. It can also be used for face milling and end milling and tapping screw holes.
The spindle automatic feed is driven by an independent motor, the feed speed is controlled by stepless speed regulation, the tapping is automatically reversed, and the spindle handle is equipped with a positive and negative button.
900x260mm T-slot table, lateral automatic feed, improve milling accuracy.
All-metal gear drive, variable speed range is wide and suitable.
Table and column adopts dovetail guide rail with sufficient stiffness and stability.
Three-axis grating digital display, easy to observe or track the feed stroke, greatly improve the machining accuracy.
Independent cooling system, water pump motor 0.09KW, 25L/min.
Heavy floor tank, greater bearing capacity, drilling and milling operation is more stable.



型号	Model	CTZX50
最大钻孔直径(铁/钢)	Drilling Capacity （Iron / Steel）	50mm / 40mm
最大攻丝直径（钢）	Tapping capacity （Steel）	M30mm
最大端铣直径	Face mill capacity	100mm
最大立铣直径	End Milling Capacity	32mm
主轴锥孔	Spindle Taper	MT4
主轴最大行程（手动/机动）	Spindle Travel （Manual & motorized）	150mm &120mm
主轴变速范围（级数）	Spindle speeds（Grade）	45~1430 r/min (12)
主轴进给范围（无级调速）	Quill Auto. Feed（Variable）	0~125 mm/min
工作台面尺寸	Table size	900×260 mm
工作台T型槽数及槽宽	T-slots	3x14mm
工作台行程（X×Y）	Table travel（X x Y）	400x270mm
主轴端面至工作台面最大距离	Max. Distance Spindle to Table	50~500mm
主轴中心线至立柱最大距离	Max. Distance Spindle to Column	325mm
工作台横向机动进给范围（级数）	Lateral maneuvering feed of table （Grade）	24~720mm/min （8）
铣头垂直左右倾斜角度	Head tilt	±90°
铣头电机	Power of main motor	2.2 KW 380V
主轴进给电机	Spindle feed motor	0.14 KW
工作台进给电机	Table feed motor	0.37 KW
冷却泵电机	Coolant motor	0.09 KW 25 L/min
机床外形尺寸	Overall dimensions	1330×1450×2220 mm
净重	N.W.	800Kg

立卧两用钻铣床

立卧两用钻铣床，立铣钻铣头可左右倾斜，工作台可旋转，三轴带自动走刀，光栅数显。
立式/卧式主轴齿轮变速箱，扭矩大，操作方便，稳定性好，可作大铣削。
高精密磨削全钢主轴，韧性铸铁，主轴箱轴孔通过精镗、珩磨和去内应力处理后确保长期耐久的精度
全钢齿轮经磨削使机床精度高，刚性强，稳定好。
采用燕尾式导轨，内置镶条，可调节松弛度，耐磨损。



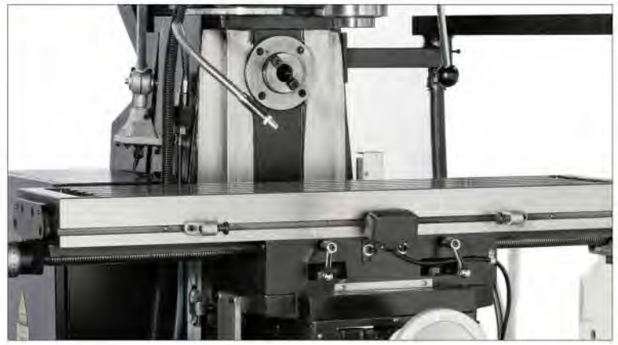
Vertical and horizontal drilling and milling machine

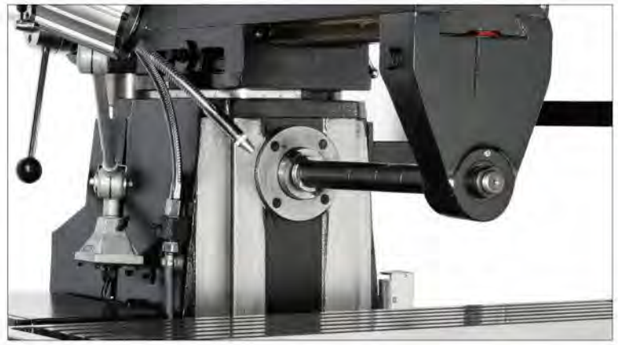
Vertical and horizontal dual-purpose drilling and milling machine, the vertical milling drilling and milling head can be tilted left and right, the worktable can be rotated, the three-axis belt is automatic, and the grating digital display.
Vertical/horizontal main shaft gear box, large torque, easy operation, good stability, can be used for large milling.
High-precision grinding all-steel spindle, ductile cast iron, headstock shaft hole through fine boring, honing and internal stress relief treatment to ensure long-term durable accuracy
All-steel gears are ground to make the machine tool with high precision, strong rigidity and good stability.
With dovetail guide rails, built-in inserts, adjustable slack, and wear-resistant.

型号	Model	CTZX1200
主轴锥度（立式/卧式）	Spindle taper（H / V）	ISO40
最大钻孔直径 （立式/卧式）	Max.drilling diameter (H / V)	50mm/ 30mm
主轴到工作台距离	Max. Spindle to Table	100-550mm
卧铣主轴到工作台距离	Max. Distance Horizontal Spindle Center to Table	0~400mm
主轴到立柱的距离	Max. Distance Spindle to Column	200~700mm
主轴转速范围（立式/卧式）	Spindle speeds（H / V）	40~1300RPM (12) / 115~1750RPM (8)
主轴行程	Spindle travel	120mm
最大攻丝直径	Tapping Capacity	M16
卧式铣削直径	Max.horizontal milling dia.	120mm
头部运动（左/右）	Head movement (left/right)	45°
工作台大小	Table size	1200x280mm
工作台行程	Table travel	680x320x450(H) mm
纵向进给范围	Number of Longitudinal Feeds	24~720mm/min（8）
X轴快速进给速度	X-Axis Table Power Feed Rate	1180mm/min
最大工件重量	Table Weight Capacity	300kg
T型槽数/宽度/距离	T-slot number /width/distance	5/14mm/70mm
主轴驱动电机（立式/卧式）	Horse power for main motor（H / V）	1.5KW / 2.2KW
X轴驱动电机	The X-axis drives the motor	370W
Z轴升降电机	Z-axis lifting motor	750W
外形尺寸	Overall dimension	1660x1340x2150mm
净重	N.W.	1250kg

立卧两用钻铣床

立卧两用钻铣床，立铣钻铣头可左右倾斜，工作台可旋转，三轴带自动走刀，光栅数显。
立式主轴无级变速操作方便，卧式主轴皮带变速，扭矩大，稳定性好，可作大铣削。
高精密磨削全钢主轴，韧性铸铁，主轴箱轴孔通过精镗、珩磨和去内应力处理后确保长期耐久的精度
全钢齿轮经磨削使机床精度高，刚性强，稳定好。
采用燕尾式导轨，内置镶条，可调节松弛度，耐磨损。





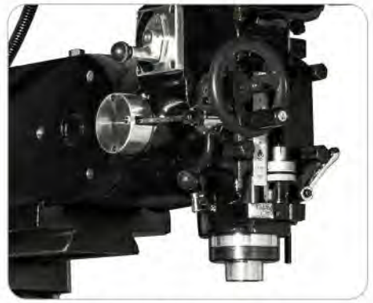
Vertical and horizontal drilling and milling machine

Vertical and horizontal dual-purpose drilling and milling machine, the vertical milling drilling and milling head can be tilted left and right, the worktable can be rotated, the three-axis belt is automatic, and the grating digital display.
The vertical spindle is easy to operate with stepless speed change, and the horizontal spindle has belt speed change, large torque, good stability, and can be used for large milling.
High-precision grinding all-steel spindle, ductile cast iron, headstock shaft hole through fine boring, honing and internal stress relief treatment to ensure long-term durable accuracy
All-steel gears are ground to make the machine tool with high precision, strong rigidity and good stability.
With dovetail guide rails, built-in inserts, adjustable slack, and wear-resistant.

型号	Model	CTZX7550
最大钻孔直径	Drilling Capacity	50mm
最大面铣直径	Face Milling Capacity	100mm
最大立铣	End Milling Capacity	25mm
最大攻丝能力	Threading capacity	M16
最大镗孔	Boring diameter	120mm
立铣主轴锥度	End Mill Spindle Taper	MT4
卧铣主轴锥度	Horizontal milling spindle taper	MT4
立铣主轴转速范围（无级调速）	End Mill Spindle Speeds（Variable）	0~1750 RPM
卧铣主轴转速范围（级数）	Range of Horizontal Spindle Speeds（Grade）	60~1350 RPM（9）
立铣主轴中心至立柱之间距离	Distance Spindle to Column	200~700mm
立铣主轴端面至工作台之间距离	Distance Spindle to Table	100~480mm
卧铣主轴轴线至工作台之间距离	Distance from horizontal milling spindle axis to table	0~380mm
立铣主轴进给	End Mill Spindle Feed	120mm
工作台尺寸	Table size	1000x240mm
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	600, 230mm
工作台水平旋转	Table Swivel (Left/Right)	45°
炮塔或立柱旋转（左/右）	Turret or Column Swivel (Left/Right)	90°
立铣主轴箱头垂直左右倾斜	Head Tilt (Left/Right)	90°
立铣主轴电机	End Mill Spindle Motor	1.5KW
卧铣主轴电机	Horizontal milling spindle motor	1.5KW
外形尺寸	Overall dimensions	1120x1060x2035mm
净重	N.W.	850kg

立卧两用钻铣床

本机床结构紧凑、体积小、灵活性高，铣头可多角度铣削。
机床铣头采用台湾精密高速铣头，该铣头具有主轴转速高、变速范围大、可充分发挥刀具效能；
主轴自动进给，自动停刀，铣头内装有行程限位超载保护装置，能有效地保证刀具的准确定位和一定的切削深度。
机床工作台和升降台采用集中式润滑装置。机床配备有一台手压油泵，利用油泵供油来润滑导轨和丝杠螺母等。



Vertical and horizontal drilling and milling machine

This machine tool has compact structure, small size and high flexibility, and the milling head can mill at multiple angles.
The milling head of the machine tool adopts Taiwan's precision high-speed milling head, which has high spindle speed and wide speed range, and can fully utilize the tool performance;
The spindle automatically feeds and stops the tool. The milling head is equipped with a stroke limit and overload protection device, which can effectively ensure the accurate positioning of the tool and a certain cutting depth.
The machine tool worktable and lifting table adopt centralized lubrication devices. The machine tool is equipped with a hand-operated oil pump, which uses the oil pump to supply oil to lubricate the guide rails, screw nuts, etc.

型号	Model	CTX6325
最大钻孔能力(钢)	Max. Drilling Capacity (steel)	31mm
最大钻孔能力（铁）	Max. Drilling Capacity (Iron)	38mm
最大面铣能力	Max. End Milling Capacity	76mm
最大立铣能力	Max. Face Milling Capacity	25mm
主轴轴心到立柱最大距离	Max. Distance Spindle to Column	13~400mm
主轴端到工作台最大距离	Max. Distance Spindle to Table	45~445mm
工作台行程(X/Y/Z轴)	Table Travel (X-Y-Z Axis)	780/410/420mm
铣头横梁行程	Ram Travel	380mm
主轴行程	Spindle Travel	127mm
铣头旋转(左/右)	Head Swivel (Left / Right)	90°
铣头倾斜(前/后)	Head Tilt (Front / Back)	45°
炮塔绕立柱旋转	Turret or Column Swivel	360°
主轴锥度	Spindle Taper	R8
主轴转速级数	Number of Spindle Speeds	16
主轴转速范围	Spindle Speeds	L: 66~2270 rpm H: 132~5400 rpm
主轴自动进给	Quill Auto. Feed	0.076mm 0.038mm 0.203mm
工作台尺寸	Table size	254x1270mm
T形槽	T-Slots	3x16mm
水泵电机	Water pump motor	40w
主电机	Main motor	2.2KW（3HP） 380V
机床外形尺寸(长×宽×高)	Overall dimensions (L x W x H)	170x168x209cm
净重	N. W.	1300kg

小型立式钻铣床

ZX13/ZX16是一款家用小型钻铣床，占地面积小，应用场所广。
高低速挡无级调速，高速50~1100rpm，低速120~2500rpm。
主轴箱限位升降进给，用于钻孔、深铣和面铣等多种功能工作。
学校、科创中心及科研单位教学演示使用，适合家用DIY，航模零件、钟表零件加工。

Mini Milling/Drilling Machine
ZX13/ZX16 is a small home drilling and milling machine, covering a small area, wide application.
High and low speed stepless speed regulation, high speed 50~1100rpm, low speed 120~2500rpm.
Headstock limit lift feed, used for drilling, deep milling and face milling and other functions.
Schools, science and innovation centers and research units teaching demonstration use, suitable for home DIY, model parts, clock parts processing.

ZX13

ZX16

型号	Model	ZX13	ZX16
钻孔能力	Drilling Capacity	13mm	
端铣能力	End Milling Capacity	16mm	
面铣能力	Face Milling Capacity	30mm	
工作台行程（X,Y行程）	Table travel (X-, Y-Axis)	220，100mm	300，130mm
工作台尺寸	Table size	400x100mm	480x110mm
主轴箱头行程	Vertical head travel	180	
主轴速度范围（无级调速）	Spindle Speeds（Variable）	50~2500RPM	
主轴孔锥度	Spindle taper	MT3	
电机功率	Motor Power	350w	600w
外观尺寸	Overall dimensions	51x48.5x74cm	55x55x73.5cm
净重	N.W.	50Kg	62Kg

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