

钻床（主轴自动进给）

- 1. 可加工金属材料和其他材料上钻孔、扩孔、铰孔，钻沉头孔和镗端面等。
- 2. 主轴进给具有手动进给和自动进给两种方式。
- 3. 主轴自动进给机构采用棘爪离合器装置，手动进给和自动进给可快速切换，具有自动化程度高，使用调整方便等优点，大大减轻了操作者的劳动强度，提高了工作效率。
- 4. 广泛用于单件和成批生产的仪表工业，机械制造部门和修理部门。

Drill Press (Automatic spindle feed)

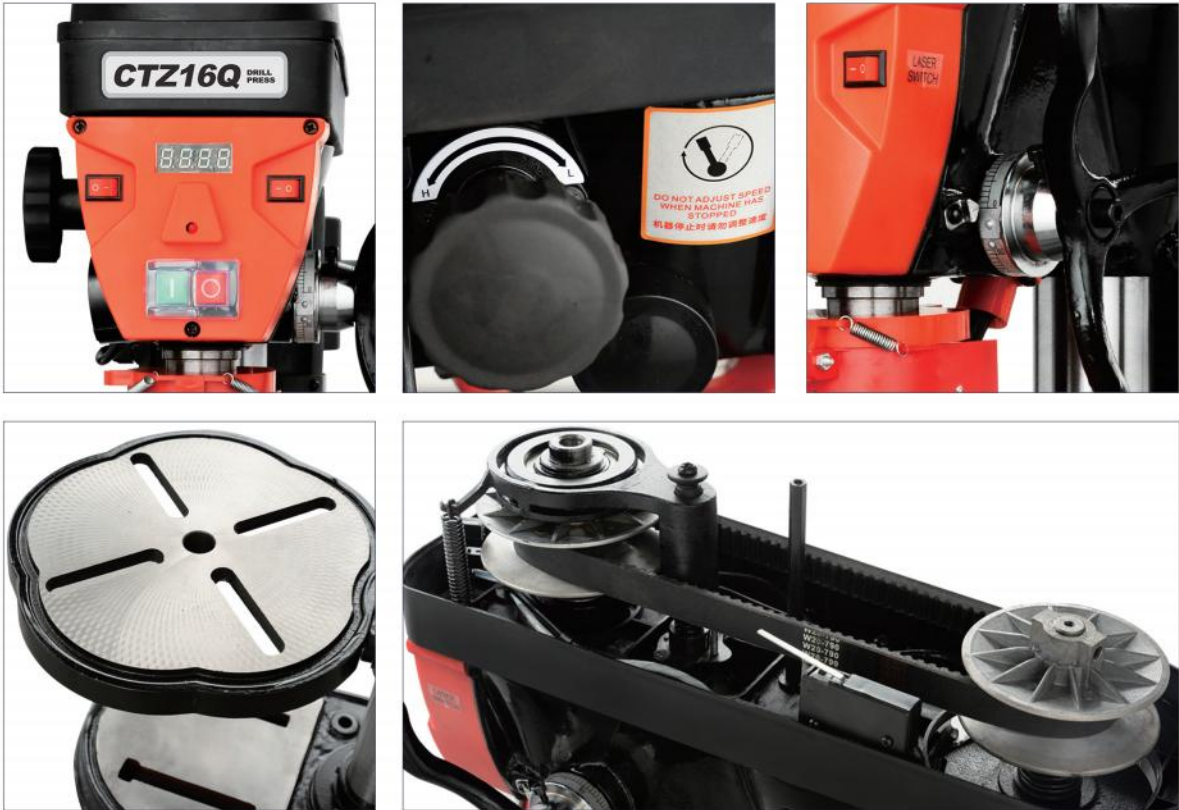
- 1. Can process drilling, reaming, countersunk holes, countersunk holes, and countersunk surfaces on metal materials and other materials.
- 2. Spindle feeding has two modes: manual feeding and automatic feeding.
- 3. The spindle automatic feeding mechanism adopts a pawl clutch device, which can quickly switch between manual feeding and automatic feeding. It has the advantages of high degree of automation and convenient use and adjustment, which greatly reduces the operator's labor intensity and improves work efficiency.
- 4. Widely used in instrument industry, machinery manufacturing department and repair department for single piece and batch production.



型号	Model	CTZ12ZD
最大钻孔直径	Max. Drilling diameter	12 mm
主轴最大行程（手动）	Spindle feed stroke (Manual)	100 mm
主轴自动进刀行程	Spindle feed stroke (Auto)	90 mm
主轴下端锥孔	Spindle lower end taper hole	B16
主轴转速级数	Spindle speed series	5
主轴转速范围	Spindle speed range	480~4100 rpm
主轴自动进给速度	Spindle automatic feed speed	0.05, 0.08, 0.20 mm/r
主轴轴线至立柱表面距离	Distance from spindle axis to column surface	193 mm
工作台面尺寸	Work surface size	265×265 mm
底座工作面尺寸	base working surface size	250×300 mm
主轴端至工作台面距离	Distance from spindle end to table surface	0~215 mm
主轴端至底座工作面距离	Distance from spindle end to base working surface	205~460 mm
主轴箱绕立柱回转角度	Rotation angle of headstock around column	±180°
电动机	electric motor	0.55 Kw 380 V
外形尺寸	Dimensions	690×425×1070 mm
包装尺寸	Package Size	86x46x101cm
净重/毛重	N.W / G.W	115 / 140Kg

本机体积小，静音、激光辅助对准，皮带传动；
主轴护罩CE标准，工作台可左右45°倾斜或绕立柱360°旋转，方便特殊加工；
适用于在各种有色金属、木材、尼龙等材料上钻、扩、铰直径在Φ16mm以下的孔；
应用仪器仪表、制锁、五金加工与修理等行业的非工业台钻。

The machine is small in size, silent, laser-assisted alignment, and belt drive;
The main shaft cover is CE standard, the worktable can be tilted 45° left and right or rotated 360° around the column, which is convenient for special processing;
It is suitable for drilling, expanding and reaming holes with diameters below Φ16mm in various non-ferrous metals, wood, nylon and other materials;
Non-industrial bench drills used in instrumentation, lock making, hardware processing and repair industries.



型号	Model	CTZ16Q
最大钻孔直径	Max. drilling diameter	16mm
钻夹头夹持范围	Drill Chuck Size	1-16mm
工作台直径	Table diameter	300mm
工作台行程	Max. Movement of Work Table	360mm
主轴锥度	Spindle taper	MT2
主轴行程	Spindle stroke	65mm
主轴端面至底座距离	Distance From Spindle to Base	422mm
主轴端面至工作台距离	Max. Spindle to Table	327mm
主轴轴线至立柱表面距离	Max. Spindle to Column	182mm
立柱直径	Column diameter	58mm
电机功率	Motor Power	550W
主轴转速	Spindle speeds	500~2600rpm
外形尺寸	Overall dimensions	290 x 530 x 890mm
净重	N.W.	47KG

1. 主轴钻孔行程可限位，调整钻孔深度时，先松开滚花把手，使钻头接触工件表面后，旋转刻度盘至钻孔深度位置，最后拧紧滚花把手，即可钻孔。
2. 皮带传动，通过更换皮带位置可获得多种主轴转速，应对不同加工需求。
3. 上工作台可绕立柱旋转或水平倾斜45°。
4. 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。

1. The drilling stroke of the spindle can be limited. When adjusting the drilling depth, first loosen the knurled handle so that the drill bit contacts the surface of the workpiece, then rotate the dial to the drilling depth position. Finally tighten the knurled handle and you are ready to drill.
2. Belt drive, a variety of spindle speeds can be obtained by changing the belt position to cope with different processing needs.
3. The upper worktable can rotate the column or tilt horizontally 45°.
4. Widely used in teaching demonstrations in factories, maintenance shops, schools, science and technology innovation centers and scientific research units.



CTZ16



CTZ25

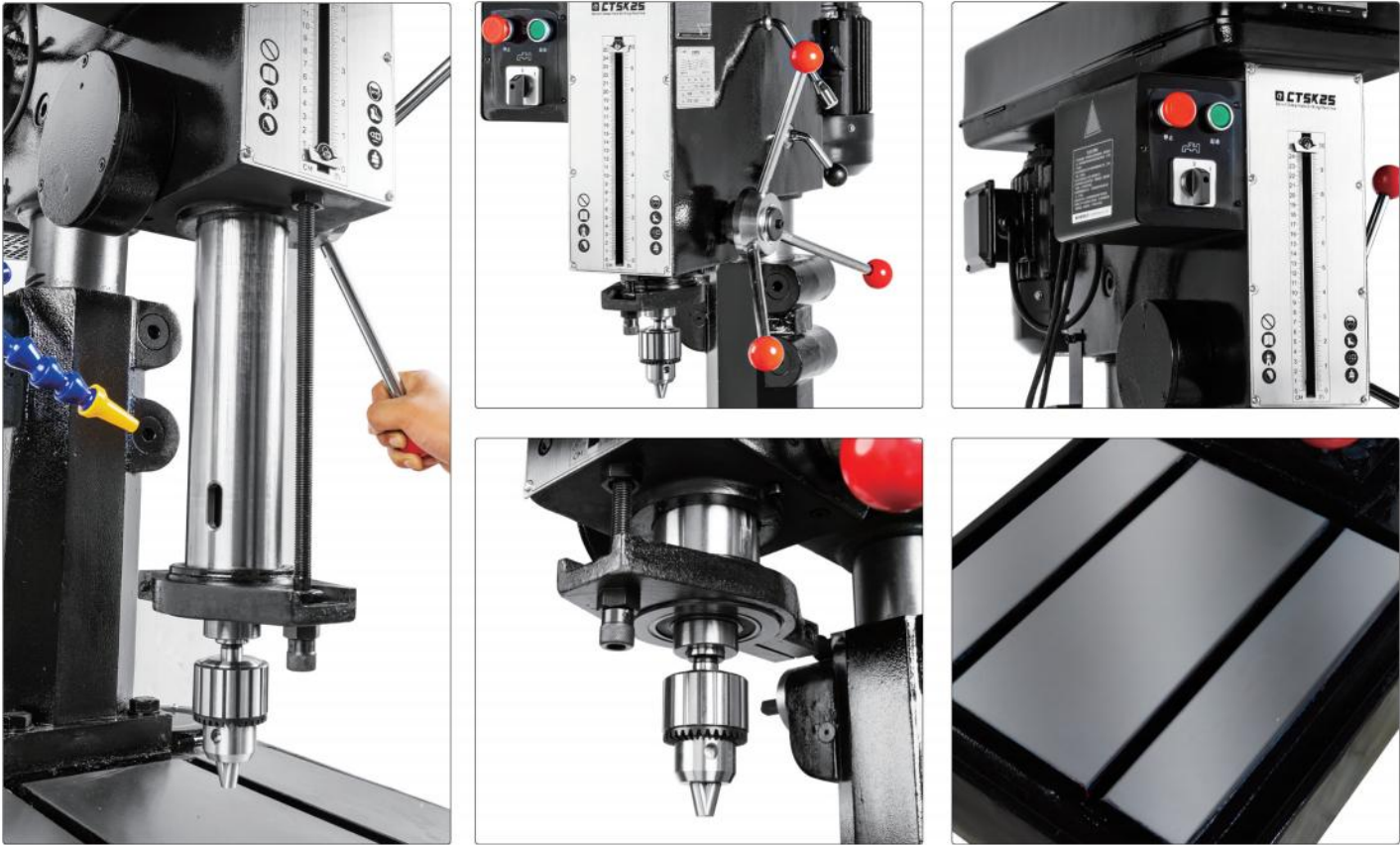
型号	Model	CTZ16	CTZ25
最大钻孔直径	Max. drilling diameterer	16mm	25mm
立柱直径	Column diameter	70mm	85mm
工作台尺寸	Table size	265x265mm	290x320mm
底座工作面尺寸	Base working surface size	250x300mm	335x335mm
主轴锥度	Spindle taper	MT2	MT3
主轴行程	Spindle stroke	100mm	125mm
主轴轴心到立柱导轨距离	Max. Spindle to Column	193mm	242.5mm
主轴端至工作台面最大距离	Max. Spindle to Table	0~255mm	0~265mm
主轴端至底座工作面距离	Distance from spindle end to bottom table	250~500mm	265~545mm
主轴转速	Spindle speeds	480~4100rpm	340~1800rpm
电机功率	Motor Power	0.55KW	1.1KW
外形尺寸	Overall dimensions	390x698x1080mm	400x760x1120mm
净重	N.W.	100KG	140KG

工业级立式深孔钻床

1. 可加工金属材料和其他材料上钻孔、扩孔、铰孔，钻沉头孔和端面等。
2. 主轴最大行程250mm，适合深孔加工。
3. 1.1KW大功率主轴电机，皮带换挡，9种变速。
4. 广泛应用于单件和成批生产的仪表工业，机械制造部门和修理部门。

Industrial grade vertical deep hole drilling machine

1. It can process drilling, reaming, countersunk holes, end faces, etc. in metal materials and other materials.
2. The maximum spindle stroke is 250mm, suitable for deep hole processing.
3. 1.1KW high-power spindle motor, belt shifting, 9 speeds.
4. Widely used in instrument industry, machinery manufacturing department and repair department for single piece and batch production.



型号	Model	CTSK25
最大钻孔直径	Drilling Capacity	25 mm
主轴最大行程	Spindle Travel	250 mm
主轴下端锥孔	Spindle Taper	MT3
主轴转速范围(级数)	Spindle speeds (Grade)	216~2730RPM (9)
底座工作面尺寸	Table size	320x350 mm
主轴轴心线至立柱表面距离	Max. Distance Spindle to Column	235 mm
主轴端至底座工作面距离	Max. Distance Spindle to Table	295~645 mm
主轴箱及工作台绕立柱回转角度	Rotation Angle of headstock and table around column	± 180°
主电机	Main motor	1.1 Kw
冷却泵	Coolant motor	40 W
外形尺寸	Overall dimensions	825x485x1450 mm
净重	N.W.	250KG

1. 1.5KW大功率电机，主轴无级调速，通过皮带不同位置，切换不同转速范围，最高可达到4000**RPM*。
2. 工作台可升降，内含T形槽，方便夹持工件。
3. 主轴进给可限位，隐藏式工作灯。
4. CE标准的断电护罩，打开保护罩自动断电，安全可靠。
5. 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；



1. 1.5KW high-power motor, stepless speed regulation of the spindle, through different positions of the belt, Switch between different speed ranges, up to 4000+*RPM*.
2. The worktable can be lifted and lowered, and contains T-shaped slots to facilitate clamping of workpieces.
3. The spindle feed can be limited and the work light is hidden.
4. CE standard power-off protective cover, the power will be automatically cut off when the protective cover is opened, which is safe and reliable.
5. For teaching demonstrations in schools, science and innovation centers and scientific research units,Suitable for home DIY, model aircraft parts, clock parts processing.



型号	Model	CTZ25
最大钻孔直径	Max. drilling diameter	24mm
立柱直径	Column diameter	80mm
主轴最大行程	Spindle stroke	85mm
主轴端锥度	Spindle taper	MT2
主轴速度范围（无级调速）	Spindle Speeds（Variable）	100-4400rpm
工作台面尺寸	Table size	280x300mm
底座工作面尺寸	Base size	335x335mm
T型槽	T-slot size	14mm
工作台行程	Knee Table Travel	165mm
主轴下端至工作台面距离	Max. Spindle to Table	495mm
主轴下端至底座工作面距离	Distance From Spindle to Base	681mm
电机	Motor	1.5KW
外形尺寸	Overall dimensions	510x670x1170mm
净重	N.W.	120kg

圆立柱式钻床

- 1. 可加工钻孔、扩孔铰孔、较孔、刮平面、螺纹等加工。
- 2. 立柱直径100mm，整机刚性强，工作精度更高。
- 3. 750w足功率的主传动单速电动机，全齿轮传动、变速范围广。
- 4. 湿式6挡齿轮变速主轴箱，主轴箱齿轮淬火处理，经久耐用，运行平稳，噪音低。
- 5. 主轴系统具有足够的刚度和良好的耐磨措施，且具有卸刀装置。
- 6. 主轴进给具有深度限位功能，同深度下批量作业。
- 7. 适用于单件及批量生产的机械加工和维修车间及小型机械加工企业。

Round column drilling machine

- 1. It can process drilling, enlarging holes, comparing holes, scraping planes, threads, etc.
- 2. The column diameter is 100mm, the whole machine has strong rigidity and higher working accuracy.
- 3. 750w main drive single-speed motor with full power, full gear transmission and wide speed range.
- 4. Wet-type 6-speed gear-speed spindle box, the spindle box gears are quenched, durable, smooth operation and low noise.
- 5. The spindle system has sufficient rigidity and good wear resistance measures, and has a tool unloading device.
- 6. The spindle feed has a depth limit function, allowing batch operations at the same depth.
- 7. Suitable for single-piece and batch production machining and maintenance workshops and small machining enterprises.



型号	Model	CTZ5025
最大钻孔直径（钢件）	Drilling diameter	25 mm
最大攻丝直径（钢件）	Threading capacity	M18 mm
主轴中心线至立柱距离	Max. Distance Spindle to Column	240 mm
主轴端面至工作台面距离	Max. Distance Spindle to Table	0-650 mm
主轴端面至底座工作面距离	Distance from spindle end to bottom table	865~1100 mm
主轴最大行程	Spindle Travel	110 mm
主轴锥孔	Spindle taper	MT.3
主轴变速范围（级数）	Spindle speeds（Grade）	125-2825 r/min（6）
主轴箱最大行程	Vertical head travel	235 mm
工作台及托架最大行程	Table vertical travel	440 mm
工作台有效工作面积（长×宽）	Table size	400×330 mm
底座有效工作面积（长×宽）	Base table area	350×320 mm
工作台及底座T型槽数及槽宽	T-Slots	2-T14 mm
立柱直径	Column diameter	Φ100 mm
主电动机功率、转速	Main motor	750W 1390r/min
冷却泵电动机功率及流量	Pump motor and flow	40W 6 L/min
机床外形尺寸（长×宽×高）	Overall dimensions	740×440×1895 mm
机床的重量（净重）	N.W.	350 Kg

工业级重型立式钻床/攻丝机

Industrial heavy duty vertical drill/tapping

CE标准，主轴断电保护罩
双速电机，最高可达到3000+RPM，应对多种加工需求；
4挡主轴自动进给速度，钻孔攻丝行程可限位，攻丝限位反转；
主轴箱工作台升降，采用蜗轮、蜗杆机构，操作轻快；

CE standard, spindle power-off protection cover
Two-speed motor, up to 3000+rpm, to meet various processing needs;
4-speed spindle automatic feed rate, the drilling and tapping stroke can be limited, and the tapping limit is reversed;
The working table of the spindle box is lifted and lowered, and the worm gear and worm mechanism are adopted, and the operation is light and fast.



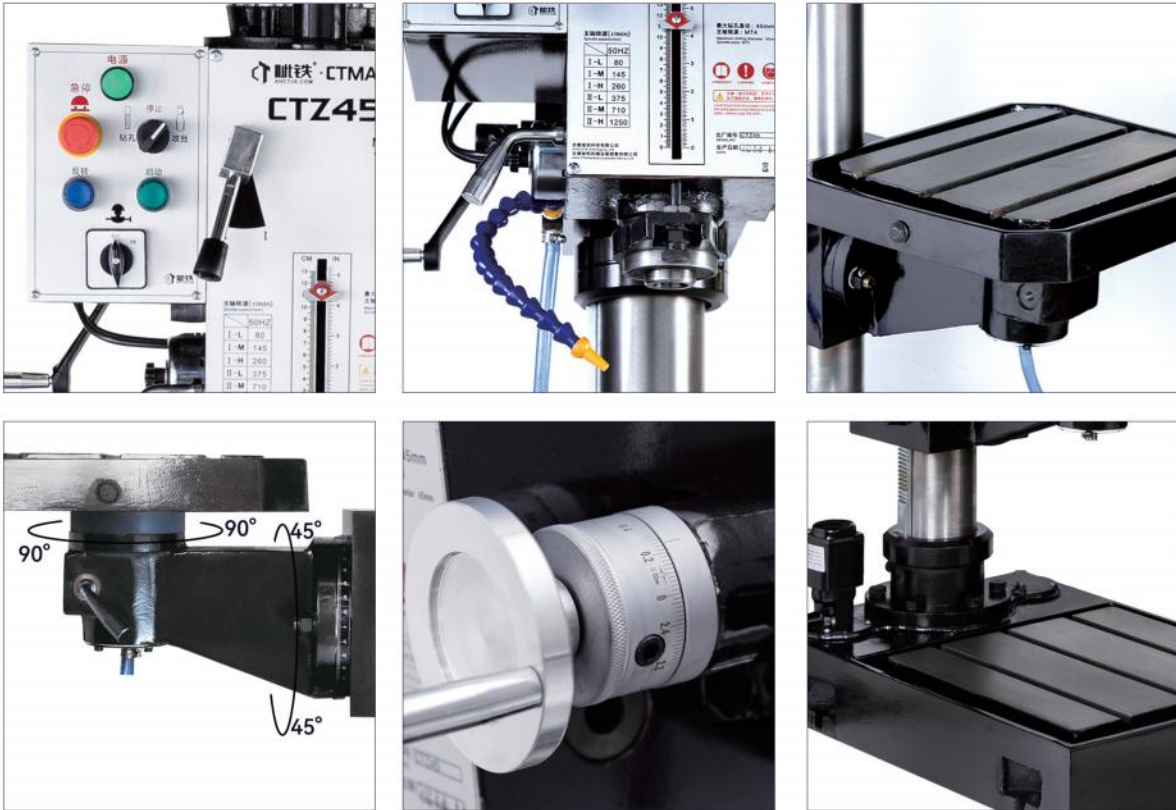
型号	Model	CTZ35
最大钻孔直径	Max. drilling diameter	35mm
主轴行程	Spindle stroke	150mm
最大攻丝能力（钢件/铸件）	Max. Tapping Capacity (Steel/Casting)	M14/M18
主轴锥度	Spindle taper	MT4
主轴转速（级数）	Spindle speeds（Grade）	75~3010RPM（50HZ）
主轴进给速度	Quill Feed Rates	0.10、0.15、0.22、0.30（mm） 0.004、0.006、0.009、0.012（in）
立柱直径	Column diameter	120mm
主轴到立柱距离	Max. Spindle to Column	320mm
主轴端面到工作台距离	Max. Spindle to Table	880mm
主轴端面到底座距离	Distance From Spindle to Base	960~1215mm
底座尺寸	Base area	670x400mm
主轴箱头行程	Head travel	260mm
工作台尺寸	Table size	500x400mm
工作台行程	Max. Movement of Work Table	510mm
电机功率	Motor Power	1.5KW/1.8KW
电压	Voltage	380V
外形尺寸	Overall dimensions	560x680x1850mm
净重	N.W.	307kg

工业级重型钻床

1. CTZ45用途广泛，一款功能齐全的钻床，在重型和高精度之间取得了很好的平衡，轻松钻孔和攻丝自动反转。
2. 主轴变速为滑移齿轮变速，变速方便。
3. 6挡齿轮变速，变速范围为 80~1250 RPM，低转速对于金属钻孔至关重要。
4. 主轴箱可升降，可左右倾斜45°，可绕立柱回转360°。
5. 工作台可升降，可左右倾斜45°、可绕立柱回转360°。
6. 主轴箱和工作台升降采用蜗轮、蜗杆机构，操作轻快。
7. 底座和工作台经过精密研磨，并配有T型槽。
8. 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。

Heavy-Duty Drill Press

1. The CTZ45 is a versatile, full-featured drill press that strikes a good balance between heavy duty and high precision, Easily drill and tap with automatic reversal.
2. The main shaft speed change is sliding gear speed change, which is convenient for speed change.
3. 6-speed gear transmission with a speed range of 80~1250 RPM. Low speed is crucial for metal drilling.
4. The main spindle box can be raised and lowered, tilted 45° left and right, and rotated 360° around the column.
5. The workbench can be raised and lowered, tilted 45° left and right, and rotated 360° around the column.
6. The main spindle box and workbench are lifted and lowered using worm gear and worm gear mechanisms, making the operation easy and fast.
7. The base and worktable are precision ground and equipped with T-slots.
8. The drilling depth can be controlled by the ruler and fixed distance nut fixed on the sleeve, which is convenient and accurate.



型号	Model	CTZ45
最大钻孔直径	Max. drilling diameter	45mm
工作台尺寸	Table size	380X300mm
底座工作台尺寸	Base size	417X416mm
工作台托架最大行程	Max. Movement of Work Table	600mm
主轴锥度	Spindle taper	MT4
主轴行程	Spindle stroke	130mm
主轴箱最大行程	Vertical head travel	250mm
主轴轴心到立柱导轨距离	Max. Spindle to Column	283mm
主轴端至工作台面最大距离	Max. Spindle to Table	725mm
主轴端面至底座工作台面的最大距离	Distance From Spindle to Base	1125mm
主轴转速（级数）	Spindle speeds（Grade）	80~1250 rpm（6）
电机功率	Motor Powerz	1.5KW
电机转速	Motor speed	1400 rpm
净重	N.W.	435KG
外形尺寸	Overall dimensions	750x1000x1850mm

重型立式钻床

- 1. CTZ50方柱立式钻床是万能型通用机床，最大钻孔50mm。
- 2. 本机床可钻孔、攻丝，效率高、刚性好精度高、噪音低、变速范围广、主轴自动进给。
- 3. 齿轮变速，可获12种不同挡位，主轴最大扭矩35Kgfm
- 4. 主轴进给方式可手动或机动，攻丝自动反转。
- 5. 适用于修理工具等，单间小批生产的车间，如配以钻夹具，也适用于成批生产的车间。

Heavy-Duty Drilling Machine

- 1. CTZ50 square column vertical drilling machine is a universal machine tool with a maximum drilling capacity of 50mm.
- 2. This machine tool can drill and tap, with high efficiency, good rigidity, high precision, low noise, wide speed range, and automatic spindle feeding.
- 3. Gear speed change, 12 different gears are available, the maximum spindle torque is 35Kgfm
- 4. The spindle feeding mode can be manual or motorized, and tapping can be reversed automatically.
- 5. It is suitable for repairing tools, etc., and is suitable for small batch production workshops in a single room. If equipped with drilling fixtures, it is also suitable for batch production workshops.



型号	Model	CTZ50
最大钻孔直径	Drilling diameter	50mm
最大进给力	Maximum feed resistance	1600 Kg
主轴允许的最大扭转力矩	Maximum torque of the main shaft	35 Kgfm
主轴孔锥度	Spindle Taper	MT5
主轴中心线至导轨面距离	Max. Spindle to Column	335mm
主轴行程	Spindle Travel	250mm
主轴箱行程(手动)	Vertical Head Travel	200mm
主轴转速范围 (级数)	Spindle Speeds (grade)	31.5~1400r/min (12)
进给量	Quill Feed Rates (grade)	0.056~1.80 mm/r (9)
工作台Z向最大行程	Knee Table Travel	300mm
工作台面积	Table size	480×560mm
主轴端面至工作台面最大距离	Max. Spindle to Table	750mm
主电机功率	Motor	4 Kw
冷却泵流量	Pump flow	12 L/min
外形尺寸	Overall size	1090×905×2465mm
机床净重	N.W.	1200Kg

工业级摇臂钻床

- 1、CTYB32钻床是一款可进行多方向、多角度360°加工的万能摇臂钻床。通过各部件之间的旋转，机床可以在任意角度、任意平面上工作。
- 2、为了更好地调节机床的水平和稳定性，机床底座上装有调节螺栓，可以灵活方便地解决地面不平整和机床水平的校正。
- 3、导轨、立柱、箱体均采用高强度铸铁制成，铸件进行热处理，以消除内应力。可长期保持机床稳定性。各接触面均经过淬火处理，保持导轨、立柱的硬度，机床能长期保持精度和耐用性；
- 4、电气、电机均采用国标级。更节能，安全运行更长久；
- 5、主轴箱转动齿轮经过精密研磨和渗碳淬火处理。齿轮箱运行噪音低，传动力好；
- 6、主轴箱采用自动供油系统内循环润滑，齿轮、轴承润滑充分，解决了传统润滑方式顶部齿轮润滑不足的缺点；
- 7、主轴设有行程保护开关，解决了工人误操作或自动送料时主轴送至顶部时损坏主轴或齿轮的问题；
- 8、立柱安全锁紧装置开关，自动升降，当工人忘记松开锁紧装置时，可自动切断电源，能很好地保护立柱不被拉伤，涡轮、蜗杆不打滑。
- 9、丝杠严格按照回火、淬火等加工工艺生产加工。丝杠经磨床精密磨削，使用寿命是普通丝杠的两倍。螺母采用黄铜螺母，耐磨性好，精度高。

Radial drilling machine

- 1. CTYB32 drilling machine is a universal radial drilling machine that can carry out multi-direction and multi-angle 360° processing. By rotating between the components, the machine can work at any Angle and on any plane.
- 2, in order to better adjust the level and stability of the machine tool, the base of the machine tool is equipped with adjustment bolts, which can flexibly and conveniently solve the uneven ground and the correction of the machine tool level.
- 3, guide rail, column, box are made of high strength cast iron, casting heat treatment to eliminate internal stress. Can maintain the stability of the machine tool for a long time. Each contact surface is quenched to maintain the hardness of the guide rail and column, and the machine can maintain the accuracy and durability for a long time.
- 4, electrical, motor are adopted national standard. More energy saving, longer safe operation;
- 5, spindle box rotation gear after precision grinding and carburizing quenching treatment. Gear box operation noise is low, good power transmission;
- 6, the spindle box adopts automatic oil supply system internal circulation lubrication, gear, bearing lubrication is sufficient, to solve the shortcomings of the traditional lubrication of the top gear lubrication;
- 7. The spindle is equipped with a stroke protection switch, which solves the problem of damage to the spindle or gear when the spindle is sent to the top when the worker misoperates or automatically feeds;
- 8, the column safety locking device switch, automatic lifting, when workers forget to loosen the locking device, can automatically cut off the power, can well protect the column from being pulled, turbine, worm do not slip.
- 9. The lead screw is produced in strict accordance with tempering, quenching and other processing technologies. The lead screw is finely ground by grinding machine, and the service life is twice that of ordinary lead screw. The nut adopts brass nut with good wear resistance and high precision.



型号	Model	CTYB32
最大钻孔直径（铁/钢）	Drilling Capacity (Lron /Steel)	32mm / 25mm
主轴行程	Spindle Travel	140mm
主轴锥度	Spindle Taper	MT4
主轴中心线至立柱距离	Max. Distance Spindle to Column	330 ~ 830mm
主轴端面至底座工作台面距离	Max. Distance Spindle to Table	20~820mm
主轴箱头垂直倾斜	Head tilt	360°
摇臂绕立柱回转角度	Spindle rotary angle round the column	360°
摇臂水平回转角度	Spindle rotary angle round horizontal line perpendicular to the column	360°
主轴转速	Spindle Speeds	175 425 687 960r/min
主轴进给速度	Quill Auto. Feed	0.07 0.15 0.24mm/r
横臂机动升降速度	Radial arm lifting speed	1.3m/min
工作台面面积	Table size	600×520mm
主电动机	Main motor	1.5KW
升降电机	Spindle head lifting motor	550W
机床外形尺寸（长×宽×高）	Overall dimensions	1770×815×2130mm
机床净重	N.W.	950kg

工业级机械摇臂钻床
Industrial grade mechanical radial drilling machine

机械变速，自动进刀，行程限位
配备冷却系统和工作灯
可拆卸的宽大铸铁工作台

Mechanical speed change, automatic feed, travel limit
Equipped with cooling system and work lights
Removable large cast iron workbench



型号	Model	CTYB40
最大钻孔直径 (铁/钢)	Max. drilling diameter (Casting/Steel)	40mm / 32mm
主轴锥度	Spindle taper	MT4
主轴行程	Spindle stroke	200mm
主轴自动进给量	Quill Feed Rates	0.10、0.16、0.25 mm/r
摇臂回转角度	Rotation Angle of rocker arm	±180°
主轴轴心到立柱导轨距离	Max. Spindle to Column	360-1300mm
主轴端至工作台面最大距离	Max. Spindle to Table	260-1050mm
主轴转速 (级数)	Spindle speed (grade)	32-1220rpm (12)
主电机功率	Main motor power	2.2/1.5KW
升降电机功率	Lifting motor power	1.1KW
净重	N.W.	1300KG
外形尺寸	Overall dimensions	1760x810x2370mm

本机床系台式电动攻丝机，采用机械摩擦离合器使主轴正、反转，而无须改变电机转向，具有整机设计合理，性能可靠，结构简单，精度高，工作噪声小等特点，且有过载保护作用，大大提高了电机的使用寿命。因此，广泛适用于攻丝作业较多的仪器仪表，电子电讯，机械制造与修理等行业。

This machine tool is a desktop electric tapping machine, which uses a mechanical friction clutch to make the main shaft forward and reverse without changing the motor rotation. It has the characteristics of reasonable design, reliable performance, simple structure, high precision, low operating noise, and overload The protection function greatly improves the service life of the motor. Therefore, it is widely used in industries such as instruments and meters, electronic telecommunications, machinery manufacturing and repairing, etc. with more tapping operations.



型号	Model	CTG16
最大攻丝直径（铸铁/钢件）	Maximum tapping diameter（Iron / Steel）	M16 / M12
工作台面尺寸	Table size	310mm
底座工作面尺寸	Base working surface size	225x225mm
主轴锥度	Spindle taper	B18
主轴行程	Spindle Travel	50mm
主轴轴心线至立柱表面距离	Max. Spindle to Column	192.5mm
主轴下端至工作台面距离	Max. Spindle to Table	70~500mm
主轴下端至底座工作面距离	Distance from spindle end to bottom table	685mm
主轴转速	Spindle speed	240、380、570 r/min
电动机	electric motor	750w
净重	net weight	100KG
外形尺寸	Overall dimensions	290x590x1230mm