



X, Z, Y three-axis travel: 200 × 400 × 360mm

The spindle transmission mode is the belt type maximum speed 5000rpm (unit spindle)

The power head standard is vertical 1 * 4 horizontal 1 * 4 to meet the needs of customers radial drilling and milling.

The column is a dynamic triaxial beam structure to prevent deformation of the pallet caused by long-term unbalanced force of the power head, and the overall bed body is very good. Internal rib reinforcement, Z-axis span 400MM, high rigidity

The internal protection is durable with a single piece, the spindle is close to the front and easy to change the knife.

Spindle indexing adopts non-mechanical contact double feedback touch sensing indexing, high resolution and fast response, and high-speed rotation high-speed indexing positioning and milling rigidity with hydraulic locking.

The electrical box is separated and designed in isolation, and the heat source part of the controller is separated to prevent external dust from entering the electric box; the rear side uses a fan to dissipate heat from the fan hot plate.

The high-precision ball screw is used for the three-axis to ensure that the backlash and thermal deformation of the machine are kept at a low value for a long time.

The fast moving speed of the roller shaft of the B-axis is 21m/min, and the three-axis chip feeding 8/8/8 (m/min provides high-speed stable cutting feed.

X, Y axis also uses roller line rail, with high rigidity, low noise, low friction, can do fast displacement and get the best cycle accuracy.

All finished products have been corrected and rounded. To ensure the best positioning accuracy and servo characteristics. And the machine tool undergoes strict inspection measures before stocking, ensuring that the precision of the machine is stable for a long time.

The inner part of the hydraulic tailstock is made of inlaid copper sleeve structure. After the wear is worn, the maintenance is convenient. The double pressure plate M22 screws are locked, the precision is high, and the rigidity is good.

Name	Unit value
Maximum turning diameter on the bed	Φ 360mm
Maximum turning diameter on the skateboard	Φ 120mm
Maximum processing length	380mm
Spindle through hole diameter	Φ46mm
Maximum bar diameter	Φ40mm
Spindle nose	A2-5
Maximum spindle speed	5000ipm (spindle unit)
Spindle positioning	±0.01°
Clamping method	Hydraulic (646 rotary cylinder)
Collet type	HL-42A5 (taper 45°)
Tool holder form	Row of knives (outer circle 5, inner hole 4)
Tool size	20X20X100mm
Power Head	4 in the radial direction and 4 in the axial direction
Power head motor	Servo 1.3kW
Power head maximum speed	3000rpm/min
Power head chuck	ER20
Power head maximum drilling and milling diameter	Φ10mm
Power head maximum tapping diameter	M8
X/z/Y maximum stroke	200X400X360
X/Z/Y fast moving	18000mmX21000mmX18000mm/min
X/Z/Y axis motor	1.38KW(130)
X/Z/Y axis repeat positioning	0.005mm
Main motor	5.5kw
Machine size	2050X1600X1860 (excluding warning lights and foot pads)
Machine weight	3500kg

Temperature operating temperature: normal temperature 20 ± 20 ° C
Storage and transportation: -30 ° C ~ 50 ° C
Maximum change ratio: within 10 ° C / hour

Humidity

Continuous: 75% or less (no condensation) Short time: 95% or less (no condensation)

Installation site conditions

- (1) Not affected by external vibration.
- (2) Not affected by corrosive gases.
- (3) Avoid direct sunlight on the machine.
- (4) Avoid direct contact with outside wind, air and temperature regulation of cold and hot air
- (5) Avoid setting heat sources such as heating near the machine.
- (6) Reduce dust (avoid castings, welding, sheet metal workshops, etc.).
- (7) Avoid water leakage and water immersion.

Power supply: 3 phase 380V ± 10%; 50Hz ± 1Hz

