



The super large column is stable and not deformed.

Super large span base, 6-point support structure is solid, high-speed displacement, no vibration, no deformation. Ensure that the machine just takes up 1G

The above acceleration.

Eight-axis linkage high-speed displacement up to X1 axis 30M/min, Y1 axis 10M/min, Z1 axis 30M/min, X2 axis 30M/min, Z2 axis

0 m/min, Z3 axis 30M/min, C1/C2 speed, saving processing time.

Low inertia spindle design, high stability, servo turret tool change is fast and accurate, the tool change time is 0.5 seconds, which is very suitable for batch

Spindle technical parameters:

Main chuck size (standard) A2-5 $\Phi 170\text{mm}$ (6-inch chuck)

Main turret form BMT55 (any 12-position installed power knife or no power)

Spindle through hole diameter $\Phi 42\text{mm}$

Tool holder form (international standard)

The number of knives on the turret body can be 12pcs

Spindle maximum turning diameter $\Phi 170\text{mm}$

Processing diameter $\Phi 170\text{mm}$

Standard processing diameter $\Phi 150\text{mm}$

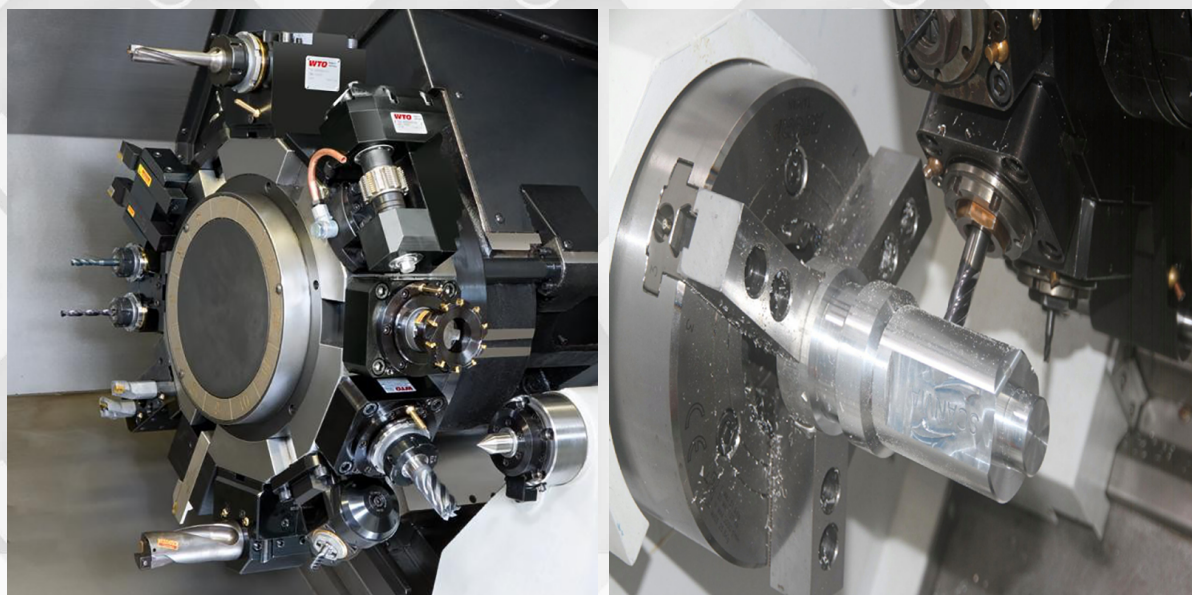
Processing length 470mm

X-axis stroke 150mm

Z axis travel 470mm

Y-axis travel + - 45mm

Swing maximum speed 5000RPM



Small parts processing. Performance and structure description:

Bed body: adopting honeycomb rib structure to improve the vibration absorption effect, the whole casting is designed with 40 degree inclined box body, and the inside of the casting is ribbed. Bone strengthening, high-strength bending resistance, high-grade Meehan casting material, tempering to eliminate internal stress, ensuring the most. Excellent rigidity and durability, high rigidity structure is derived from years of experience data accumulation and rationalization mechanism slenderness design to improve castings. Resistance to compression and side bending.

Spindle: An angular contact bearing is used to ensure the cutting force is strong and smooth over the entire speed range. Configure 22kW AC servo. The motor is used, and the belt is driven with the main shaft to maximize the performance of the motor and the maximum torque.

Roller screw: THK large-diameter roller screw and servo motor are selected and pre-stretched to eliminate the influence of thermal expansion. The lead screw is automatically lubricated by a central lubrication system to maintain accuracy throughout the operation.

Guide rails: all use THK high-precision, super-heavy load linear guide rails, unique two-sided restraint structure, high rigidity, and fast shift. The movement provides a guarantee, and the Y-axis adopts the structure of the character name, which makes the machine tool have excellent stability and rigidity.

Servo-powered turret: equipped with 12 BMT-type tools, with the same tool change time (only 0.5s). Any two-way selection. Knife and automatically provide the nearest path for the next tool change, reducing non-cutting time.

Rail full protection: the machine is fully enclosed; tightly sealed, no leakage

Sub-spindle technical parameters

Chuck diameter (standard) A2-4 Φ150mm (5 inch chuck)

Spindle through hole diameter Φ30mm

X-axis stroke 150mm

Z axis travel 470mm

Swing maximum speed 5000RPM

The outer surface of the main shaft has a radial runout ≤0.0015mm

Repeat positioning accuracy ≤0.003 mm

Spindle motor drive method Continuously variable speed (5M toothed belt)

Collet chuck

X1 axis fast moving 30m/min

Z1 axis moves quickly 30m/min

Y1 axis fast moving 20m/min

X2 axis fast moving 30m/min

Z2 axis fast moving 30m/min

Z3 axis fast moving 30m/min

Spindle motor power AC11kw

Sub-spindle motor power AC7.5kw

X1/Z1/Y1/X2/Z2/Z3 motor AC3.0 kw/ 3.0kw /2.2kw/3.0kw/3.0kw/2.2kw

total electrical capacity 35KVA

Machine size 4000*2400*2100mm (including chip conveyor)

Machine weight 6200kg