



## CK5112 Single Column Metal Turning Automatic CNC Vertical Lathe Machine

### Our Product Introduction

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#### Basic Information

- Place of Origin: Henan, China
- Brand Name: BAISHUN
- Certification: ISO
- Model Number: CK5112
- Minimum Order Quantity: 1 set
- Price: Negotiation
- Packaging Details: Export standard wooden case package or Negotiation with customers
- Delivery Time: 35 work days
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 50 Set/Sets per Month



#### Product Specification

- Product Name: Automatic CNC Vertical Lathe Machine
- Type: VERTICAL
- Max. Swing Diameter (mm): 1200 Mm
- Max. Height Of Workpiece (mm): 1000
- Max. Spindle Speed (r.p.m): 180 R.p.m
- Machining Capacity: Middle Duty
- Spindle Motor Power(kW): 15
- Positioning Accuracy (mm):  $\pm 0.002$
- Repeatability (X/Y/Z) (mm):  $\pm 0.001$
- CNC Control System: GSK
- Highlight: Automatic CNC Vertical Lathe Machine



#### More Images



## Product Description

### Machine description:

CNC Vertical lathe is a kind of large mechanical equipment, which is used to process large and heavy workpieces with large radial size and relatively small axial size and complex shape. Uch as a cylindrical surface, an end surface, a conical surface, a cylindrical hole, a conical hole and the like of various discs, wheels and sleeve workpieces, and can also be processed by means of additional devices such as running threads, spherical surface turning, imitating machining, grinding and the like; compared with a horizontal lathe, the workpieces are clamped in the clamping decoration of the horizontal lathe, while the main shaft axis of a vertical lathe is in a vertical layout, and the table surface of a worktable is in a horizontal plane; Therefore, the clamping and alignment of the workpiece are more convenient. This arrangement reduces the load on the spindle and bearings, so the vertical lathe can maintain its working accuracy for a long time.

1. Our CNC vertical lathe is equipped with the Siemens 828DD system, ensuring precise control. It features a vertical tool post, allowing for a maximum machining diameter of 1600mm, a table diameter of 1400mm, and a maximum machining height of 1000mm.
2. The transmission device adopts a four-speed continuous transmission, providing convenience, sensitivity, and reliability.
3. All gears in the system are made of 40Cr grinding gears, guaranteeing high rotation accuracy and minimal noise.
4. This machine is suitable for processing non-ferrous metals, black metals, and non-metallic materials using high-speed steel tools and carbide cutting tools. It can perform various operations, including turning inner and outer cylindrical surfaces, cutting different types of faces (such as hooks), inner and outer conical surfaces, threading, as well as slotting and cutting.

### Machine specification

Model	CK518	CK5112Q	CK5112A	CK5116Q	CK5116A	CK5120A	CK5126A
Max.turning diameter(mm)	800	1200	1200	1600	1600	2000	2600
Working table diameter (mm)	700	1000	1000	1400	1400	1800	2200
Max. height of workpiece (mm)	800	1000	1000	1200	1200	1250	1400
Max. weight of workpiece (kg)	1500	1500	3200	3200	5000	8000	8000
Range of worktable rotation speed (rpm)	30-260	20-180	6.3-200	15-160	5-160	3.2-100	2.2-70
Feeding series	stepless	stepless	stepless	stepless	stepless	stepless	stepless
Range of tool rest feed (mm/min)	0.25-90	0.25-90	0.8-86	0.25-90	0.8-86	0.8-86	0.8-86
Cross beam travel (mm)	500	1000	650	1200	650	890	1090
Horizontal travel of tool rest (mm)	500	700	700	900	916	1115	1400
Vertical travel of tool rest (mm)	450	500	650	750	800	800	800
Size of section of cutter bar (mm)	30*40	30*40	30*40	30*40	30*40	30*40	30*40
Main motor power (kw)	11	15	22	15	30	30	30

### Machine picture

# HIGH EFFICIENCY CK5112 CNC VERTICAL LATHE



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## Product Details Display

01  
WORKTABLE

Worktable has high rotation precision and large load capacity.



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02  
ELECTRIC TOOL POST

ELECTRIC TOOL POST

Clients can choose 4, 5, 6 station electric tool post.



03  
COLUMN/ CROSS BEAM

COLUMN/ CROSS BEAM

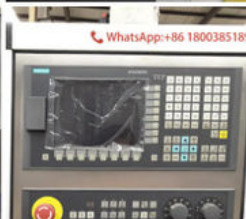
High frequency column and beamguide, hardness HRC-55 degree.



04  
CONTROL SYSTEM

CONTROL SYSTEM

Standard with GSK980TDI control  
Optional: Siemens, Fanuc, Syntec ect.



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