



## CK5120 Single Column Conventional Vertical Lathe Machine CNC Heavy Cutting Lathe

Our Product Introduction

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### Basic Information

- Place of Origin: Henan, China
- Brand Name: BAISHUN MACHINERY
- Certification: CE ISO
- Model Number: CK5112
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: Export standard wooden case package or Negotiation with customers
- Delivery Time: 30-35 work days
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 20 Set/Sets per Month



### Product Specification

- No. Of Spindles: Single
- Number Of Axes: 2
- Positioning Accuracy (mm):  $\pm 0.005$
- Dimension(L\*W\*H): 2360\*2280 \*2800mm
- Tool Post Stations: 4
- Weight (KG): 8000
- Max.turning Diameter: 1200mm
- Max. Height Of Work Piece: 1000mm
- Highlight: Single Column Conventional Vertical Lathe Machine  
, Conventional Vertical Lathe Machine CNC, CK5120



### More Images



### Product Description

#### Product Description

The CNC vertical lathe, also known as a vertical turning center, is a machine tool used for turning and cutting metal components with high precision and efficiency. CNC vertical lathe has a vertical spindle that holds and rotates the workpiece. They are widely used in the manufacturing industry for producing large and heavy components, such as gears, turbines, and aerospace parts. They are particularly useful for turning components with a high aspect ratio.

Our Product

Additionally, CNC vertical lathes are highly automated and can be programmed to perform a wide range of machining operations, such as turning, drilling, boring, threading, and milling, with minimal human intervention. Overall, The CNC vertical lathes are a versatile and efficient machining tool that offer high precision and automation capabilities, and that is why makes them an essential component of modern manufacturing processes.

The CNC vertical lathe, also known as a vertical turning center, is a machine tool used for turning and cutting metal components with high precision and efficiency

The CNC Vertical lathe is a big machine used for handling large and heavy workpieces with a wide radial size and relatively smaller axial size. It's designed to process workpieces with complex shapes, such as cylindrical surfaces, end surfaces, conical surfaces, cylindrical holes, conical holes, and more. Additionally, with the help of additional tools, it can also perform operations like thread cutting, turning spherical surfaces, imitation machining, and grinding. Unlike horizontal lathes where workpieces are clamped horizontally, the vertical lathe has its main spindle axis arranged vertically, and the worktable is positioned horizontally. This arrangement makes it more convenient for clamping and aligning workpieces. Furthermore, this setup reduces the load on the spindle and bearings, enabling the vertical lathe to maintain its accuracy over long periods of operation.

#### Machine parameter

Model	CK518	CK5112Q	CK5112AC	CK5116Q	CK5120A	CK5126A
Max. turning diameter of vertical tool rest (mm)	800	1200	1200	1600	2000	2600
Working table diameter (mm)	700	1000	1000	1400	1800	2200
Max. height of work-piece (mm)	800	1000	1000	1200	1250	1400
Max. weight of work-piece (kg)	1500	1500	3200	3200	8000	8000
Range of worktable rotation speed (rpm)	30-260	20-180	6.3-200	15-160	3.2-100	2.2-70
Feeding series	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
Cross beam travel (mm)	500	1000	650	1200	890	1090
Horizontal travel of tool rest (mm)	500	700	700	900	1115	1400
Vertical travel of tool rest (mm)	450	500	650	750	800	800
Size of section of cutter bar (mm)	30*40	30*40	30*40	30*40	30*40	30*40
Main motor power (kw)	11	15	22	15	30	30


**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


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



03

COLUMN/ CROSS BEAM


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



04

CONTROL SYSTEM

Standard with GSK980TDi control  
Optional-Siemens, Fanuc, Syntec ect.



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