



## C5116 Cnc Vertical Borer Conventional Vertical Turning Lathe Machine High Rigidity

Our Product Introduction

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### Basic Information

- Place of Origin: Henan, China
- Brand Name: BAISHUN
- Certification: Provided
- Model Number: C5116
- Minimum Order Quantity: 1 set
- Price: Negotiation
- Packaging Details: Export standard package or negotiation with customer
- Delivery Time: 45 work days
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 50 Set/Sets per Month



### Product Specification

- Product Name: High Rigidity Vertical Lathe Machine
- Machining Capacity: Medium Duty
- Spindle Bore(mm): 130
- Max. Turned Length (mm): 1600 Mm
- Work Table Dia.: 1400mm
- Type: VERTICAL
- Spindle Motor Power(kW): 30
- Dimension(L\*W\*H): 2830\*2670 \*3010mm
- Weight (KG): 12400 KG
- Warranty: 1 Year
- Highlight: C5116, cnc vertical borer, C5116 Cnc Vertical Borer



### More Images



Our Product

### Product Description

#### C5116 Conventional Vertical Type High Rigidity Vertical Lathe Machine

The C5116 model of our single-column lathe is a highly rigid machine with large machining capacities, a stable and sturdy structure, and efficient performance. It comes with a vertical tool head and can be equipped with a high precision digital readout system (DRO).

An AC inverter motor is used for speed adjustment.

The gears, made from 40 Cr steel, are precision ground to ensure high accuracy and reduce machine noise. These machines are specifically designed and built to handle modern machining requirements, including high-speed cutting tools and carbide cutters, for workpieces made of ferrous and non-ferrous metals, composites, and other materials.

#### Vertical Lathe Machine Main Structure:

1. Machine tool: The main components of the machine tool (lathe bed, base, workbench, beam, vertical slide rest, side tool box, feed box, main drive gear box) are made of strong cast iron using resin sand technology.
2. Main drive: The workbench rotation is powered by the main electric motor, with a gear reduction and an electromagnetic speed control system for adjusting the speed.
3. Vertical slide and feed mechanism of the vertical slide: The RAM is made of HT250 material, known for its excellent mechanical properties.
4. Workbench base structure: The workbench adopts a long spindle structure, supported by high-precision double row cylindrical roller bearings for radial alignment.
5. Beam: The beam is secured and released using a drift, with hydraulic pressure for clamping.
6. Hydraulic system: The hydraulic system uses reliable control components from renowned manufacturers, both domestic and international.
7. Lubrication of the machine tool: The machine tool automatically provides oil at specified intervals to lubricate the beam and moving parts.
8. Machine tool protection: The machine tool's moving parts are equipped with a comprehensive security chain and interlock system.
9. Electrical control system:
  - a) Power source: Three-phase current of 380V±10%, 50Hz.
  - b) The electrical design of the machine tool follows international design standards.

#### DESCRIPTION:

This series machine is suitable for machining parts in all industries. On the machine cylindrical turning and boring. Tapering and surfacing as well as grooving can be carried out rough and finishing. The table adopts thrust ball bearing with high accuracy for rolling guideway C5116 machine is also adopted slipping guideway. Spindle radial is performed NN30 type double row cylindrical rolling bearing. So it can improve the rotary precision and load capacity of the table.

The rail head equipped with pentagonal turret, and the side head is designed with square turret.

The two heads are all adopted the hydraulic balance.

The rail head C518-C5112 machine is adopted rolling lead screw bearing for transmission in horizontal and vertical movement.

The electrical equipment of machine is controlled by PC. So it is high reliability.

Overall dimensions of machine is beautiful and it is delightful for people to use. It is easily for maintenance and service.

The attachment of side head, digital control and turning taper can provided on special requirement.

#### DESCRIPTION:

This machine series is suitable for machining parts in all industries. It can perform cylindrical turning, boring, tapering, surfacing, and grooving, both rough and finishing operations.

The table uses a high-precision thrust ball bearing for the rolling guideway, while the C5116 machine adopts a slipping guideway. The spindle radial is equipped with NN30 type double row cylindrical rolling bearings, which improve the rotary precision and load capacity of the table.

The rail head is equipped with a pentagonal turret, and the side head has a square turret design.

Both heads are hydraulically balanced.

The rail head of the C518-C5116 machine uses rolling lead screw bearings for horizontal and vertical movement transmission.

The machine's electrical equipment is controlled by a PC, ensuring high reliability.

The machine's overall dimensions are aesthetically pleasing and user-friendly. It is easy to maintain and service.

On special request, additional attachments such as a side head, digital control, and turning taper can be provided.

#### Machine specification

Model	C518	C5112	C5116	C5120	C5125
Max.turning dia.(mm)	800	1200	1600	2000	2500
Max.cutting height(mm)	800	1000	1000	1250	1250
Max.loading weight(tons)	1.2	3.2	5	8	10
Worktable diameter(mm)	720	1000	1400	1800	2250
Worktable speed range(r/min)	30-260	6.3-200	5-160	3.2-100	2-63
Max worktable torque(n.m)	1000	25000	32000	32000	35000
vertical travel of vertical tool post(mm)	650	650	800	800	1200
horizontal travel of vertical post(mm)	570	700	915	1200	1400
G.W(tons)	7	8	12.4	17	23
Dimension(L*W*Hmm)	2080*2621*3515	2360*2280*2800	2830*2670*3010	3200*2800*3250	3300*4000*3500

#### Machine picture



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