



Single Column CNC Vertical Turret Milling Machine CE Standard High Rigidity Automatic

Our Product Introduction

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Basic Information

- Place of Origin: Henan, China
- Brand Name: BAISHUN MACHINERY, BAISHUN
- Certification: CE ISO9001
- 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

- Max. Length Of Workpiece (mm): 1200
- Max. Spindle Speed (r.p.m): 180 R.p.m
- Spindle Bore(mm): 130
- Spindle Motor Power(kW): 15
- No. Of Spindles: Single
- Max. Turned Length (mm): 1200
- Dimension(L*W*H): 2350*2350 *2700mm
- Tool Post Stations: 4
- Weight (KG): 85000
- Dia. Of Worktable: 1000mm
- Highlight: vertical turret milling machine, vertical turret mill, milling machine turret



More Images



Product Description

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Hot Sale Lathe Machine Cnc Machining Parts Cnc Wheel Lathe

Hot Sale Lathe Machine Cnc Machining Parts Cnc Wheel Lathe is suitable to process ferrous metal, nonferrous metals and partial non-metallic material, and could achieve the processing of turning of the end face, inside and outside cylindrical surface, inside and outside circular conical surface and drilling, expanding, reaming of hole. Main transmission is driven by the spindle AC servo motor, hydraulic gear change and two gears step less speed regulation. Worktable is manual 4-jaw single movement chuck.

1.The overall layout

Machine tools mainly by the table, table base, column, beam, vertical knife frame composition. The machine tool base are used HT250 cast iron, the use of resin sand process, cast after the stew fire, rough processing after aging treatment (artificial aging and vibration aging). Casting quality and reliable without cracks, pores, shrinkage and white mouth tissue, castings by stew fire, aging treatment with a stable organization to ensure the use of the machine during the stability of the product quality certificate to provide molten iron chemical composition analysis report, heat treatment Report and heat treatment temperature time curve.

2.The main drive

Main drive main motor, through the gear box 16 gear speed for speed conversion. The gears in the box are quenched and ground to ensure transmission accuracy and efficiency and reduce noise and reduce vibration.

3.Workbench

The table consists of table, table base, spindle components and transmission mechanism, table and table base for the overall casting processing. The table guide surface is inlaid with an aluminum alloy guide plate and a pressure oil is injected between the guide rails to form a dynamic pressure rail. So the table carrying capacity, high precision rotation.

4.Beams

The beam moves up and down on the column. The beam consists of a knife feed drive mechanism, a beam clamping mechanism and a hydraulic device. Install a set of automatic lubricating oil pump on the beam, according to the need to lubricate the rail surface.

5.Vertical knife frame

Z-axis, Z-axis by the servo motor drive, through the planetary reducer to increase the torque, by the electromagnetic clutch switch control two axes and locked each other to achieve a variety of complex processing.

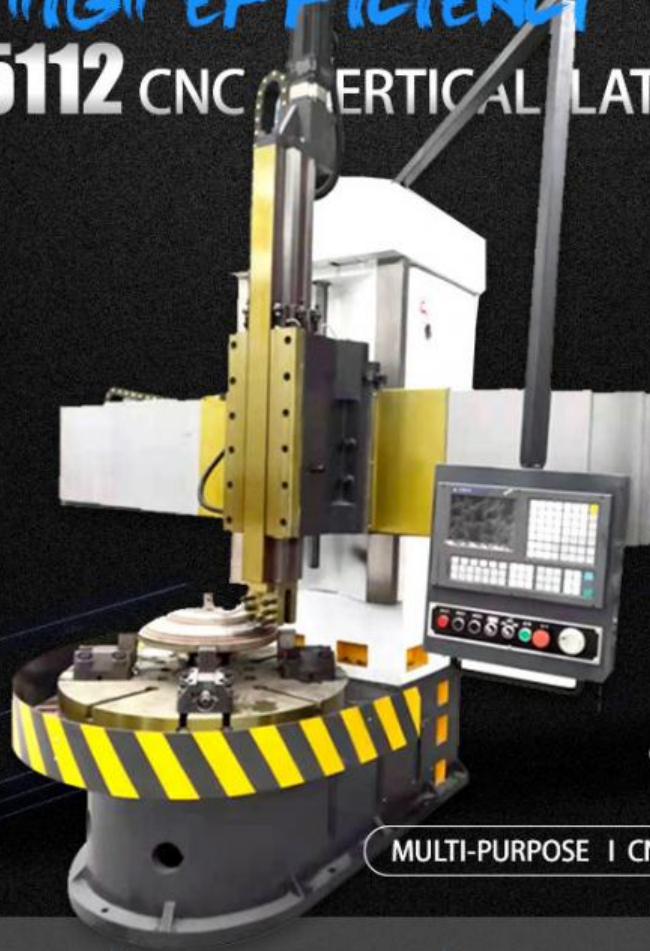
6.Hydraulic system

The hydraulic system includes: the table dynamic pressure system, the main drive transmission system, beam clamping and hydraulic system, vertical knife frame hydraulic balance system. Hydraulic system is essential, machine lubrication, dynamic pressure rail stability, to ensure the stability of the hydraulic system and interchangeability.

Machine parameter

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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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Main Features:

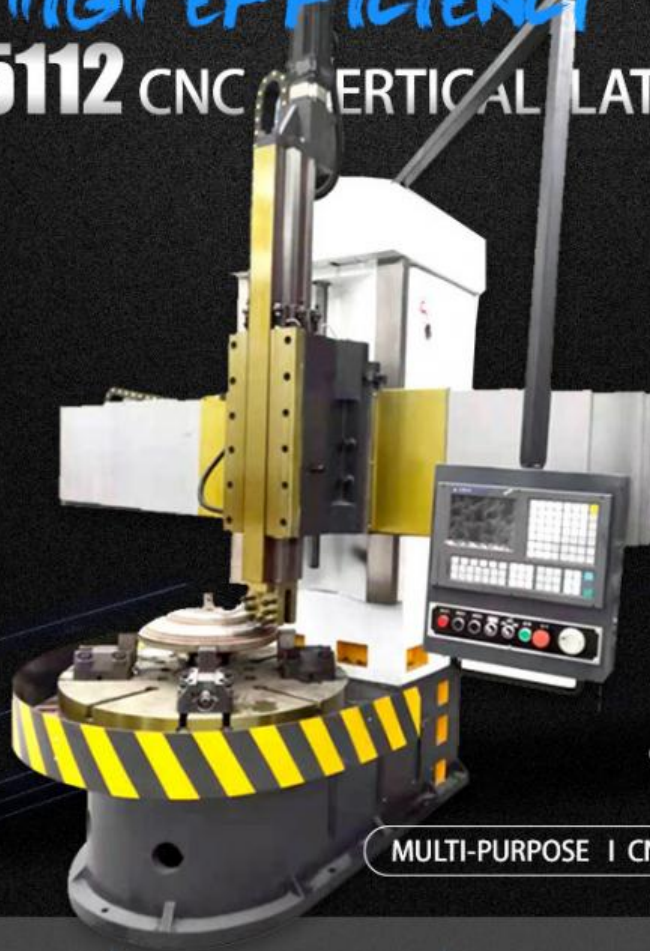
1. CNC vertical lathe, the CNC system uses Siemens 828DD system, there is a vertical tool post, the maximum machining diameter is 1600mm, the table diameter is 1400mm, and the maximum machining height is 1000mm.
2. The transmission device is a four-speed sleepless transmission, which is convenient, sensitive and reliable.
3. Set in the system, all gears use 40Cr grinding gears, which have the characteristics of high rotation accuracy and low noise.
4. The machine is suitable for high speed steel tools and carbide cutting tool processing of non-ferrous metal, black metal and nonmetal materials. On the machine can complete the following processes:Turning the inner and outer cylindrical surface of the plane; all kinds of hook face , inner and outer cone face, thread, cutting slot and cutting.

The CNC vertical lathe is a top-performing machine with a wide range of capabilities and high productivity. Our company has developed a cutting-edge machine tool that seamlessly integrates animatronics and hydraulics, drawing inspiration from advanced design and manufacturing techniques, and incorporating our rich corporate culture. This allows us to deliver world-class products to both domestic and international customers.

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Product Overview: The Vertical CNC Lathe, also known as a Vertical Turning Center, is a powerful machine used in metalworking to precisely and efficiently turn and cut metal components. With its vertical spindle that holds and rotates the workpiece, it has gained popularity in various manufacturing industries. It excels in the production of large and heavy components like gears, turbines, and aerospace parts, especially those with a high aspect ratio.

Moreover, the CNC vertical lathe is equipped with advanced automation features, allowing for minimal human intervention. It can be programmed to perform a wide range of machining operations, including turning, drilling, boring, threading, and milling. Offering versatility, high precision, and automation, the CNC vertical lathe has become an indispensable tool in modern manufacturing processes.

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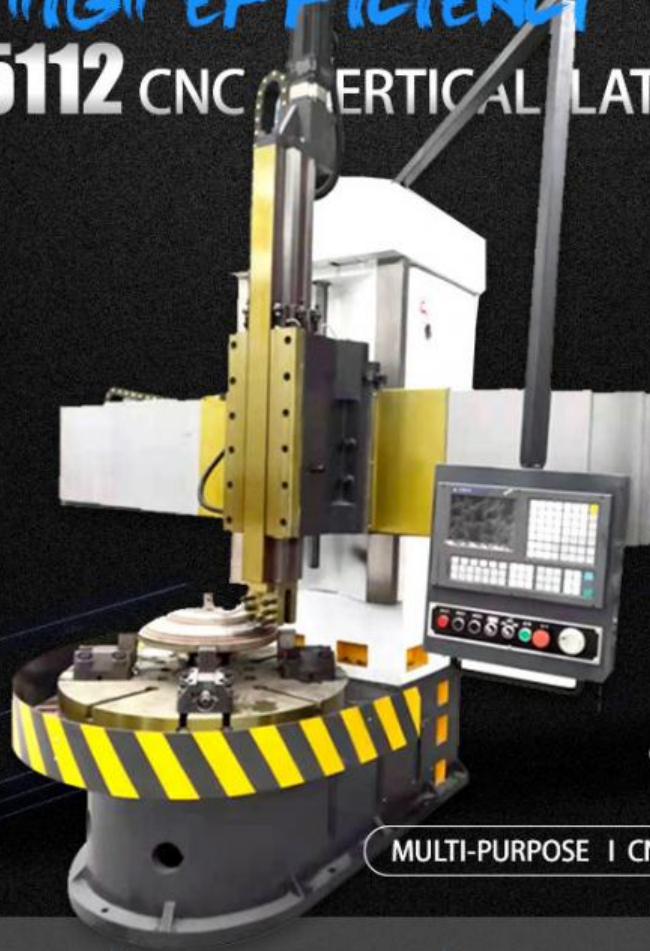
To ensure high precision and durability, we have employed integral casting and a thermally balanced structure for the table. The main shaft bearing utilizes a high-precision double row cylindrical roller bearing, and the table guideway is optimized for smooth operation.

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Key Features:

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.

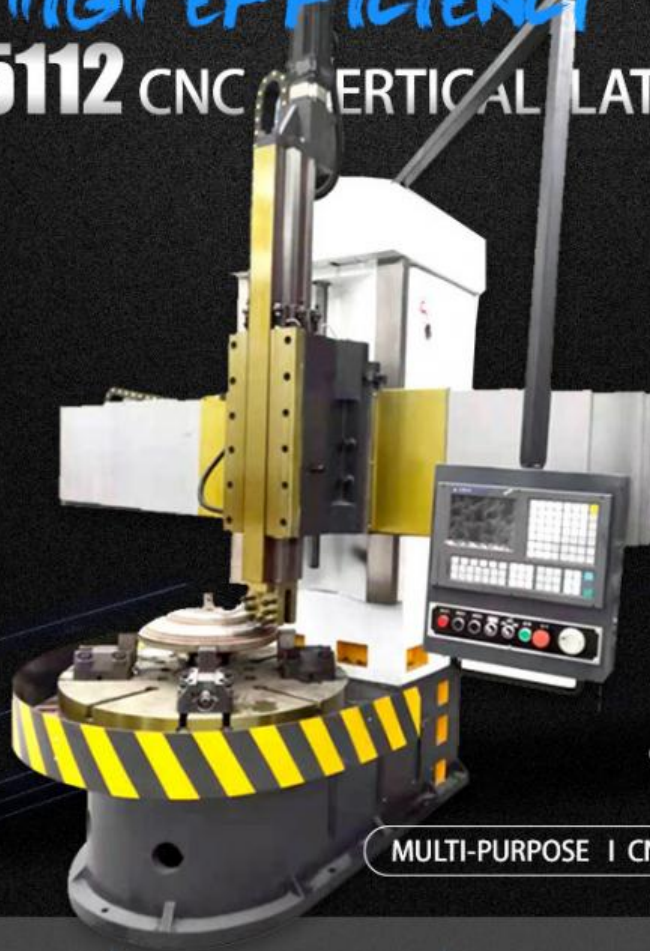
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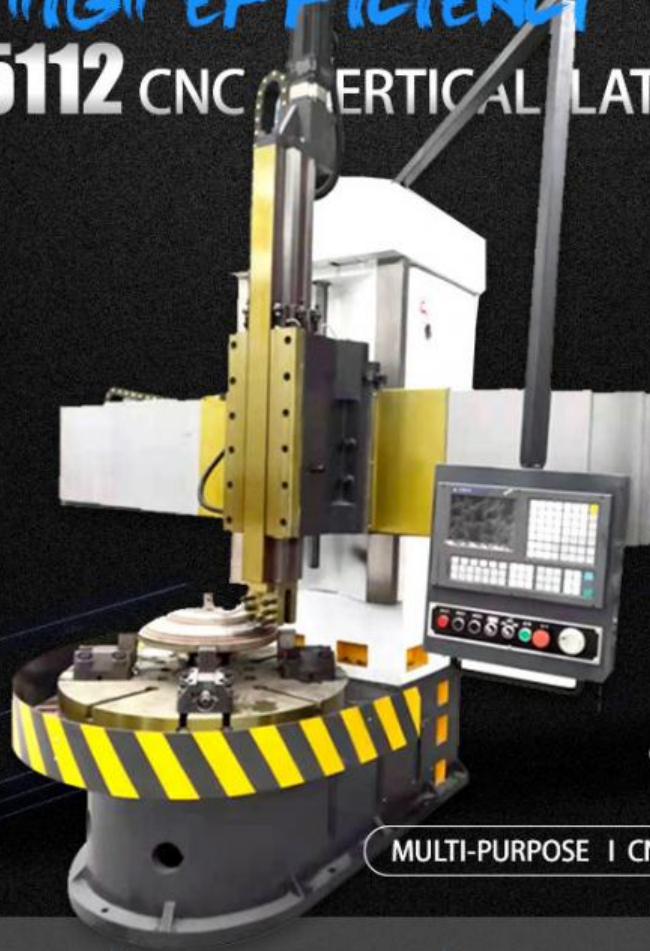
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