



CNC Vertical Lathe Machine 1200mm Turning Diameter Medium Duty

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

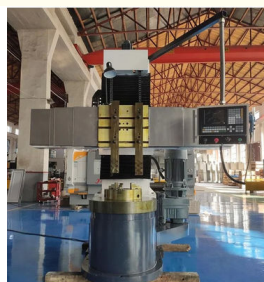


Product Specification

- Max. Length Of Workpiece 2600 (mm):
- Max. Spindle Speed (r.p.m):260 R.p.m
- Machining Capacity: Medium Duty
- Spindle Bore(mm): 105
- Travel (X Axis)(mm): 1000 Mm
- Travel (Z Axis)(mm): 700 Mm
- Dimension(L*W*H): 2360*2280 *2800mm
- Weight (KG): 8000
- Max.turning Diameter: 1200mm
- Max. Height Of Wok Piece: 1000mm
- Highlight: Metal Cutting Vertical Lathe Machine, 3/4/5 Aix Vertical Lathe Machine, 5 Aix Vertical Lathe Machine



More Images



Product Description

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.

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

Model	CK518	CK5112Q	CK5112A	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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