



## Large Automated Vertical Carousel Lathe With Efficient Production

### Our Product Introduction

#### Basic Information

- Place of Origin: Henan, China
- Brand Name: BAISHUN MACHINERY
- Certification: CE ISO
- Model Number: CK5231
- Minimum Order Quantity: 1 Set
- Price: Negotiable
- Packaging Details: 1. Outside we will pack the product with plastic to prevent wet. 2. Outside of the cnc vertical lathe machine will be packed by strong wooden pallet.
- Delivery Time: 30-35 work days
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 20 Set/Sets per Month



#### Product Specification

- Product Name: Large Automated Vertical Carousel Lathe
- Max. Turning Diameter(mm): 3150
- Max. Height Of Work Piece: 1600mm
- Machining Capacity: Medium Duty
- No. Of Spindles: Double
- Positioning Accuracy (mm):  $\pm 0.003$
- Repeatability (X/Y/Z) (mm):  $\pm 0.002$
- Key Words: Carousel Lathe
- CNC Control System: GSK/SIEMENS/FANUC
- Function: Metal Turning
- Highlight: Large Automated Vertical Carousel Lathe, Efficient Production Vertical Carousel Lathe, CNC Control System Vertical Carousel Lathe

## Product Description

### Hot Selling Large Automated Vertical Carousel Lathe with Efficient Production

The double column vertical lathe is a cutting-edge piece of equipment that combines mechanical, electrical, and hydraulic components. It incorporates modern design principles and manufacturing techniques, leveraging CAD optimization and state-of-the-art components from both domestic and international sources. The machine boasts a robust structure, offering exceptional strength, high static and dynamic stiffness, precise machining capabilities, heavy load capacity, efficiency, durability, and reliable operation. All major technical specifications of the machine parts comply with national standards.

#### Worktable

Worktable has worktable base, worktable, spindle parts and transmission device. Worktable and worktable base are whole cast iron structure, adopting high strength low stress iron casting, which has enough rigidity, strength and heat stability. Worktable spindle bearing adopts high precision double row short cylindrical roller bearing. It could ensure the worktable high precision rotation and long service life.

#### Main transmission

The main transmission system of the machine is vertical shaft transmission. It adopts spindle AC servo motor to drive; gearbox achieves mechanical two gear transformation by the shift cylinder pushing the change gear, so that the worktable could do stepless speed regulation within 0.63-63r/min.

#### Gantry frame

It is composed of left and right vertical columns and connecting beam. Gantry and worktable base form the sealing structure. In the upper part of the gantry, there is left and right lifting box, driven by biaxial stretching AC motor. Through gear pair, worm and gear pair and double leadscrews make the beam to do lifting movement along the left and right column guide rail.

#### Beam

Beam adopts high strength and low stress iron casting with enough rigidity and strength, so as to ensure the machine accuracy to have long term retentivity and stability. Beam is in front of the vertical column, and it does the vertical movement along the vertical column guideway. On the back of beam, there are 4 hydraulic clamping points. On both sides of the beam, there are feeding box for tool rest.

#### Machine parameter

Specifications	Unit	CK5225	CK5231	CK5240Q	CK5240
Max.turning diameter	mm	2500	3150	4000	4000
Max. height of work piece	mm	1600/2000/2500	1600/2000/2500	1600/2000/2500	1600/2000/2500
Max. weight of work piece	T	10/20	10/20	10/20	32
Worktable diameter	mm	2250	2830	2830/3150	3200/3600
Range of table speeds	r/min	2-63	2-63	2-63	2-63
Steps		16	16	16	16
Max torque of work table	KN.m	63	63	63	100
Rapid traverse of rail head	mm/min	4000	4000	4000	4000
Ram vertical travel of right railhead	Kn	35	35	35	40
Ram vertical travel of left railhead	kn	30	30	30	30
Range cutting force of right railhead	mm/min	1-50	1-50	1-50	1-50
Range cutting force of right railhead	mm/min	0.1-1000	0.1-1000	0.1-1000	0.1-1000
Travel of arm	mm	1000	1000	1000	1250
Section of arm	mm	255×200	255×200	255×200	240×240
Swivel of left and right railhead	°	±30°	±30°	±30°	±30°
Section of tool	mm	40×50	40×50	40×50	50×50
Power of main motor	Kw	55	55	55	75
Overall dimensions	cm	569×470×480/520	605×440×493/533	690×510×480/520	690×510×480/520

#### Product photos













**Shipping and Delivering:**



# DELIVERING

Packing and transportation before export



For more details and specifications, please contact:



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