



Mini Small Vertical Lathe Machine Mill Single Spindle Manual Metal Working Digital Control

Our Product Introduction

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Basic Information

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



Product Specification

- Product Name: Digital Control Vertical Lathe Machine
- Model: C5116
- Machining Capacity: Medium Duty
- Brand: Baishun Machinery
- Max. Turned Length (mm): 1600 Mm
- Type: VERTICAL
- Work Table Dia.: 1400mm
- Usage: Metal Working
- Package: Export Standard
- Delivery: Negotiation
- Highlight: small vertical lathe machine, vertical mini lathe machine, lathe machine vertical mill



More Images



Product Description

Single Spindle Manual Metal Working Digital Control Vertical Lathe Machine

Description:

The digital control 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. Compare with conventional lathes, which are typically horizontal and require the workpiece to be mounted on a rotating chuck, a manual vertical lathe has a vertical spindle that holds and rotates the workpiece. The cutting tool is mounted on a tool turret that moves in multiple axes, allowing for precise and complex machining operations. Single spindle manual vertical lathes 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 because the vertical orientation minimizes the effects of gravity on the workpiece, reducing the risk of deflection and distortion. Additionally, the 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 single spindle manual type metal working digital control vertical lathes are a versatile and efficient machining tool that offer high precision and automation capabilities, making them an essential component of modern manufacturing processes.

1. This versatile machine is suitable for mechanical processing across various industries.
2. The main transmission is driven by an AC motor, with a main drive speed that can be changed in 16 steps through solenoid valve control.
3. All gears in the gearbox undergo high-frequency quenching for enhanced durability.
4. The worktable features a rolling guideway design, allowing for large loading capacity and high turning precision.
5. The vertical tool-post is equipped with a five-station tool-post and utilizes high-precision rat-gear disk positioning.
6. The tool-posts employ hydraulic balancing, with horizontal and vertical feeds using sliding screw drives.

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7. The hydraulic system is equipped with German traffic transmission devices to ensure stable oil flow for the worktable lubrication.
8. The machine is controlled by a PLC system for high reliability, with electrical wiring tailored to the specific process requirements.
9. The machine boasts an attractive design, ensuring user comfort and convenient operation and maintenance.
10. Customization options include a digital display(DRO) device square ram upon customer request, providing additional flexibility to meet specific needs.
11. It mainly can be used for rough and finish machining of inside and outside cylinders, cone surfaces, end faces, grooving, cutting, and internal hole boring.

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)	5	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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