



Chuck Vertical Boring Lathe VTL Conventional Metal Turning C5112

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: BAISHUN
- Certification: ISO
- Model Number: C5112
- 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

- Name: Metal Turning Lathe Vertical Lathe Machine
- Machining Capacity: Middle Duty
- Max. Turned Length (mm): 1200 Mm
- Type: Vertical Type
- Spindle Motor Power(kW): 22
- Voltage: 380V
- Dimension(L*W*H): 2360*2280 *2800mm
- Weight (KG): 8000 KG
- Warranty: 1 Year
- Key Words: Vertical Lathe Machine
- Highlight: vertical boring lathe, vertical chuck lathe, VTL C5112



More Images



Product Description

High Precision VTL Conventional Metal Turning Lathe Vertical Lathe Machine Description

The vertical lathe machine, also known as a vertical turning center, is a machine tool used for turning and cutting metal components with high precision and efficiency. There is a vertical spindle that holds and rotates the workpiece. They 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.

Overall, The conventional vertical lathes are a versatile and efficient machining tool that offer high precision and automation capabilities, and that is why makes them an essential component of modern manufacturing processes.

Features:

1. This versatile machine is suitable for mechanical processing across various industries. It can be used for rough and finish machining of inside and outside cylinders, cone surfaces, end faces, grooving, cutting, and internal hole boring.
2. The main components of the equipment are made using a whole casting structure with high-strength, low-stress cast iron material. After casting, it undergoes annealing and aging treatment after rough machining. The column guide rail is ground to ensure precision, while the beam guide and ram guide undergo grinding after intermediate frequency quenching.
3. 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. 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. The tool-posts employ hydraulic balancing, with horizontal and vertical feeds using sliding screw drives. The tool-post is powered by a 3-ph AC motor, featuring a sliding guide rail type guideway with a high-strength PTFE soft belt for smooth operation.
6. The hydraulic system is equipped with German traffic transmission devices to ensure stable oil flow for the worktable lubrication.
7. The machine is controlled by a PLC system for high reliability, with electrical wiring tailored to the specific process requirements.
8. The machine boasts an attractive design, ensuring user comfort and convenient operation and maintenance. Customization options include a digital display device square ram upon customer request, providing additional flexibility to meet specific needs.

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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