

High Accurate And Precision VMC850 Vertical Machining Centers Cnc Milling Machine

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: VMC850
- Minimum Order Quantity: 1/SET
- Price: USD19000-USD26000
- Packaging Details: non-fumigation wooden box
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets



Product Specification

- Positioning Accuracy Of: 0.02 Mm
- Voltage: 220v/380v
- Rapid Moving Speed: 15m/min
- Keyword: Cnc 3 Axis Milling Machine
- Atc Type: 21
- Warranty: 1 Years
- Spindle Speed Range: 8,000 Rpm
- Cnc Axis: 3 Axes CNC
- Machining Capacity: Light Duty
- Repeatability: ± 0.005 Mm
- Highlight: VMC850 vertical CNC milling machine, high precision CNC milling machine, accurate vertical machining center

Our Product Intro

Product Description

The VMC850 Vertical Machining Center is a high-performance, high-rigidity universal CNC machining equipment, widely used in machinery manufacturing, mold processing, auto parts, aerospace components and other industries. It features high precision and efficiency, capable of integrating multiple complex processes such as milling, drilling, boring, tapping, and reaming.

Core Features:

1. **Stable Structure:** Adopts integral cast iron bed and column, which undergo aging treatment to eliminate internal stress, significantly improving equipment rigidity and vibration resistance, and ensuring long-term machining precision stability;
2. **High-Precision Machining:** X/Y/Z axes are equipped with high-precision ball screws and linear guides, enabling smooth movement without backlash. The positioning accuracy and repeat positioning accuracy can reach within ± 0.005 mm,

- meeting the requirements of precision part processing;
- 3. **Efficient Spindle System:**Equipped with a high-power variable-frequency spindle (usually 7.5-11kW) with a speed range of 8000-12000rpm, featuring excellent high-speed cutting performance and suitable for processing various materials such as steel, iron, aluminum, copper, and plastic;
 - 4. **Flexible Feeding System:**The rapid traverse speed of X/Y/Z axes can reach 36-48m/min, with a wide feed rate adjustment range (1-10000mm/min), balancing high-speed positioning and precision cutting;
 - 5. **Intelligent Operation:**Equipped with FANUC, SINUMERIK or high-end domestic CNC systems (e.g., Huazhong CNC, GSK), featuring an intuitive operation interface. It supports CAD/CAM automatic programming, compatible with G-code and M-code, easy for beginners to operate;
 - 6. **Strong Expandability:**Optional accessories include tool magazine (16-24 tools), automatic chip conveyor, coolant system, 4th axis turntable, etc., suitable for mass production and complex workpiece processing;
 - 7. **Energy Conservation & Environmental Protection:**Adopts energy-saving motors and optimized hydraulic/pneumatic systems, with low energy consumption and noise, complying with modern industrial environmental protection requirements.



Core Technical Parameters (Standard Configuration):

Item	Specification
X/Y/Z Axis Travel	850×500×500mm
Worktable Size	1000×500mm
Spindle Speed Range	8000-12000rpm (Variable Frequency)
Spindle Power	7.5-11kW (Three-Phase Asynchronous)
Positioning Accuracy (X/Y/Z)	±0.005mm
Repeat Positioning Accuracy (X/Y/Z)	±0.003mm
Rapid Traverse Speed	36-48m/min
Tool Magazine Capacity (Optional)	16/24 Tools (Capstan/Disc Type)
Maximum Worktable Load	500-800kg
Overall Machine Dimensions	Approximately 2800×2200×2600mm
Total Machine Weight	Approximately 3500-4500kg



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