

VMC855 Automatic Cnc Milling Machine 4 Axis Bt40 8000 10000 12000rpm

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: VMC855
- Minimum Order Quantity: 1
- Price: USD30000-40000
- Packaging Details: Fumigation-free plywood
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets

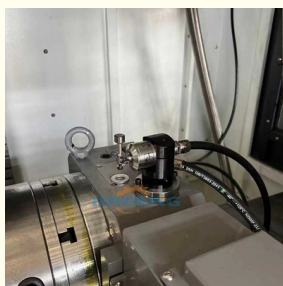


Product Specification

- Size Of Worktable(length×width)mm: 1000x500mm
- T Slot (mm): 5-18/90
- Max Loading Weight On Worktable(KG): 600
- X-Axis Travel(mm): 600
- Y/Z-Axis Travel(mm): 500/500
- Distance Between Spindle Nose And Table(mm): 12-620
- Distance Between Spindle Center And Column(mm): 540mm
- Spindle Taper: BT40
- Spindle Motor Power(Kw): 7.5-11KW
- Highlight: automatic cnc milling machine, cnc milling machine 4 axis, VMC855 cnc milling machine



More Images



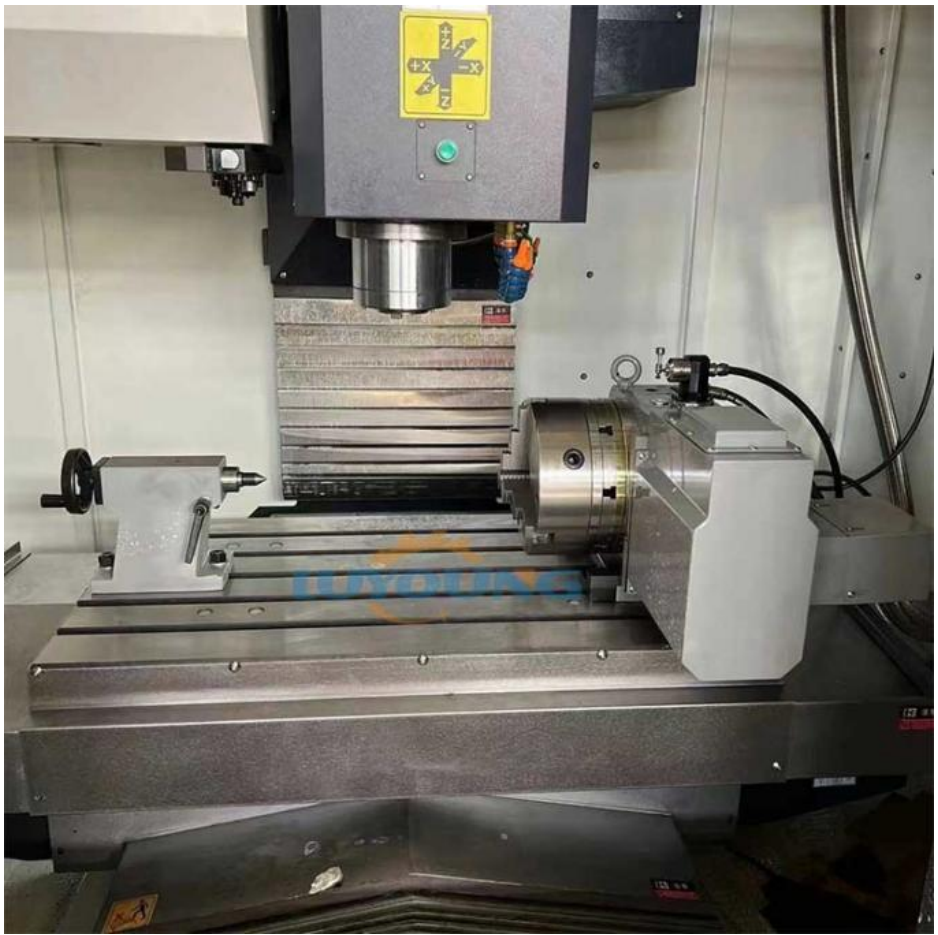
Product Description

VMC855 cnc milling machine 4 axis vertical machining center bt40 8000/10000/12000rpm



cnc milling machine VMC855 4 axis vertical machining center bt40 8000/10000/12000rpm







| Specification of vertical machining center | | | | |
|--|----------|----------|----------|----------|
| Item | VMC850E | VMC850 | vmc855 | VMC1060 |
| Size of worktable(length×width)mm | 1000*400 | 1000×500 | 1000*550 | 1300×600 |
| T slot (mm) | 5-18x100 | 5-18x100 | 5-18x90 | 5-18×100 |
| Max loading weight on worktable(KG) | 500 | 600 | 600 | 1000 |
| X-Axis travel(mm) | 800 | 800 | 800 | 1000 |

| | | | | |
|--|-----------------------------------|----------|----------|---------|
| Y-Axis travel(mm) | 500 | 500 | 500 | 600 |
| Z-Axis travel(mm) | 500 | 500 | 500 | 600 |
| Distance between spindle nose and table(mm) | 105-550 | 105-605 | 120-620 | 100-700 |
| Distance between spindle center and column(mm) | 450 | 550 | 540 | 667 |
| Spindle taper | BT40 | BT40 | BT40 | BT40 |
| Max. spindle speed(rpm) | 8000/10000/12000 | | | |
| Spindle motor power(Kw) | 5.5KW | 7.5/11kw | 7.5/11kw | 11/15kw |
| Rapid feeding speed: X,Y,Z axis m/min | 16/16/16 (24/24/24 liner guidway) | | | |
| Fast cutting speed m /min | 10m/min | | | |
| Positional accuracy | ±0.005 mm | | | |
| Repeat positional accuracy | ±0.003 mm | | | |
| Auto Tool changer type | 24 arm type auto tool changer | | | |
| Air pressure | 0.6 Mpa | | | |
| Machine weight | 4200KG | 5500KG | 5800 | 7500KG |

Features:

A four-axis machining center offers several advantages compared to conventional three-axis machining centers:

Increased Degrees of Freedom: With an additional rotation axis (usually called the A-axis) in addition to the X, Y, and Z axes, a four-axis machining center provides more freedom for machining complex surfaces and irregular workpieces.

Improved Efficiency: It allows for the machining of multiple surfaces in a single setup, reducing the need for repositioning and remounting the workpiece, thereby enhancing productivity.

Accuracy Maintenance: By minimizing the need for multiple mounting and alignment steps, four-axis machining ensures better accuracy and consistency in the parts.

Reduced Human Intervention: It operates with higher automation, enabling continuous, unattended machining, which lessens the dependence on operator skills and reduces the likelihood of human errors.

Wide Applicability: It is suitable for various industries, including aerospace, automotive, mold making, and medical devices, particularly for manufacturing parts with intricate geometries.

Economic Benefits: While the initial investment is higher, the increased productivity and reduced scrap rates over time make it cost-effective in the long run.


A four-axis machining center, with its unique design and capabilities, simplifies the production of complex parts and enhances efficiency in a range of manufacturing contexts.

Optional configuration:


1. Cnc control system: GSK, Fanuc, Siemens, Syntec
2. Axis: 3/4/5 axis
3. Spindle Taper: BT40, BT50
4. Spindle speed:8000/10000/12000rpm
5. Chain type chip conveyor
6. Coolant through spindle
7. 24ATC or 32ATC

Factory:



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