

VMC855 High Speed CNC Milling Machine Vertical Machine Center 4 Axis Bt40 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: high speed CNC milling machine bt40, VMC855 Vertical Machine Center, CNC milling machine 4 axis



More Images



Product Description

cnc milling machine VMC855 4 axis vertical machining center bt40 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



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