

China

CE

1

Luyoung

VMC640

100sets

USD31000-40000

Fumigation-free plywood

VMC 640 4th Axis Cnc Milling Machine Module Process 4 Axis Cnc Vertical **Machining Center**

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:

Our Product Introduction

- · Packaging Details:
- Delivery Time:
- 45 working days • Payment Terms: L/C, T/T
- Supply Ability:



Product Specification

- ATC:
- Axis:
- Highlight:

16 Auto Tool Changer

4 Axis

VMC640 4 axis cnc vertical machining center, vmc 640 machining center, 4 Axis Cnc Milling Machine



More Images









Product Description

vertical machining center VMC640 4 axis cnc milling machine module process







Specifications:

Work bench	Area of work table	900×400mm
	Load capacity	400 kg
	Working mesa from the ground	880 mm
spindle	Motor power	5.5kw(servo)
	Distance between the spindle end and the work surface	100 -550 mm
	Spindle center to column guide rail	370 mm
	Speed	8000/10000 rpm
	Taper of spindle	BT40
Distance of travel	X-Axis	800 mm
	Y-Axis	500 mm
	Z-Axis	500 mm
	X-axis fast moving	18m
Food	Y-axis fast moving	18m
	Z-axis fast moving	16m
	fast cutting speed mm /min	1-8000 mm/min
precision	Positional accuracy	0.022 mm
	Repeat positional accuracy	0.012 mm
Tools	Max,diameter	120 mm
	Max,length	200 mm
	Tool magazine capacity	16
	Qty time of tool changings	7 s
Power Supply	Voltage(V)/frequency (Hz)	380/50
	Total capacity(KVA)	10
Others	Air pressure	0.6 Mpa
	Weight	2700 kg
	Diamention	2200×1750×2300
		mm

The comparison between three-axis and four-axis machining centers lies primarily in their processing capabilities and handling of complexity:

Number of Axes and Motion Range:

Three-axis Machining Center: Movement occurs along the X, Y, and Z linear axes, capable of milling, drilling, and other operations on flat surfaces and simple 3D shapes. Four-axis Machining Center: Adds a rotational axis (A-axis or B-axis) to the standard axes, allowing the workpiece to rotate

during processing, enhancing versatility and complexity of operations.

Handling of Complexity:

Three-axis: For parts with angles or requiring multiple surfaces, repositioning and remounting may be necessary. Four-axis: Can machine multiple sides of a part in a single setup, eliminating the need for frequent repositioning, ideal for components with complex angles, curves, and multiple faces. Efficiency and Precision:

Three-axis: Efficiency might be lower due to multiple operations for multi-sided machining, potentially introducing more positioning errors.

Four-axis: Increases efficiency, reduces alignment errors, ensuring precision, especially for intricate part production. Application Industries:

Three-axis: Suited for basic mechanical work, like automotive parts and mold manufacturing. Four-axis: More appropriate for aerospace, medical devices, and precision component manufacturing requiring high precision and complex geometries. Cost:

Three-axis: Equipment costs are usually lower.

Four-axis: Additional axis and more complex control systems result in higher equipment costs.

In summary, four-axis machining centers provide advanced processing capabilities for complex parts but may entail a higher investment. Three-axis machining centers are more suitable for basic tasks and simpler part geometries without the need for additional rotation.

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

shandong lu young machinery co.,Itd					
C	86 18660852746	sales@luyoungmachinery.com	luyoungcncmachines.com		
Room ⁻	1061, Building A, Guoshan (Center, Taiqian Street, Taishan Distr	ict, Taian City, Shandong Province		