

Vmc1160 High Precision 3 4 5 Axis Vertical CNC Milling Machine Accurate Machining

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: luyoung
- Certification: ISO, CE
- Model Number: vmc1160
- Minimum Order Quantity: 1
- Price: 25000usd-42000usd
- Packaging Details: PLYWOOD BOX
- Delivery Time: 30 days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets per month



Product Specification

- Condition: New
- Machine Color: As Your Requirement
- Power Requirement: 380V, 3-phase
- Machinery Test Report: Provided
- Port: Qingdao,Ningbo Or Shanghai Port
- X-Axis Travel(mm): 1100mm
- Y-Axis Travel(mm): 600mm
- Z-Axis Travel(mm): 600mm
- Spindle Taper: BT40
- Spindle Motor Power: 11/15(Kw)
- Positional Accuracy: ± 0.005 Mm
- Repeat Positional Accuracy: ± 0.003 mm



More Images



Product Description

vmc1160 High Precision 3/4/5 axis vertical CNC Milling Machine for Accurate Machining

Product Description:

vmc1160 High Precision 3/4/5 axis vertical CNC Milling Machine for Accurate Machining is composed of mechanical equipment and numerical control system. Is an automated machine that is suitable for efficient machining of complex parts. CNC machining center is the world's highest yield, the most widely used one of the CNC machine tools. Its comprehensive processing capacity is strong, the workpiece can be completed after a single processing content, processing accuracy is higher, the middle of the difficulty of the bulk of the workpiece, the efficiency of ordinary equipment is 5 to 10 times, in particular, it can be completed Many ordinary equipment can not be completed processing, the shape of the more complex, high precision single-piece processing or small and medium-sized multi-species production is more applicable.

Item	VMC1160
Size of worktable(length×width)mm	1200×600
T slot (mm)	5-18×120
Max loading weight on worktable(KG)	1000

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X-Axis travel(mm)	1100
Y-Axis travel(mm)	600
Z-Axis travel(mm)	600
Distance between spindle nose and table(mm)	130-780
Distance between spindle center and column (mm)	650
Spindle taper	BT40
Max. spindle speed(rpm)	8000/10000/12000
Spindle motor power(Kw)	11/15
Rapid feeding speed: X,Y,Z axis (m/min)	24/24/24 liner guideway
Fast cutting speed (m /min)	10
Positional accuracy (mm)	±0.005
Repeat positional accuracy (mm)	±0.003
Auto Tool changer type	24 arm type auto tool changer
Max. tool length (mm)	300
Max. Tool diameter	Φ80(adjacent tool)/φ150(not adjacent tool)
Max.tool weight(KG)	8
Tool changing time(tool-to-tool)sec	2.5
Air pressure(Mpa)	0.6
Machine weight(KG)	7200
Overall size(mm)	3340*2800*2700
Voltage	380v 3 phase





Applications:

The machining center is suitable for parts that are complex, have many processes and require high precision. They require multiple types of ordinary machine tools, numerous tools and tooling, and multiple clamping and adjustments to complete the processing. Its main processing objects include the following four categories.

- (1) Box parts Box parts generally refer to parts with multiple hole systems, a cavity inside, and a certain proportion in the length, width, and height directions. Such parts are widely used in machine tools, automobiles, aircraft and other industries, such as automobile engine blocks, transmission cases, machine tool headstocks and axle boxes, diesel engine blocks, gear pump casings, etc.
- (2) Complex surface Like CNC milling machines, machining centers are also suitable for processing complex curved surfaces, such as aircraft, automobile parts, impellers, propellers, various curved surface forming molds, etc.
- (3) Special-shaped parts Special-shaped parts are parts with irregular shapes. Most of them require mixed processing of points, lines, and surfaces, such as brackets, bases, templates, masters, brackets, etc.
- (4) Disks, sleeves, and plate parts Disc sleeves or shaft parts with keyways or radial holes, or distributed hole systems on the end face and curved surfaces, such as flange sleeves, shaft parts with keyways or square heads, etc.: have more holes to process Plate parts, such as various motor covers, etc.



Product feature:

Factory price fanuc control vertical cnc milling machine vmc1160 cnc milling machine 5 axis

Casting: HT300 resin sand wear-resistant castings have high density and good wear resistance! The saddle adopts a double-layer casting structure, and the large A-shaped column structure shows high rigidity cutting ability.

Spindle: Standard is high speed BT40-150 belt driven Taiwan spindle---8000RPM; Optional is 10000/12000/15000 rpm .simple and compact structure, high efficiency, low noise, low vibration , high precision,and good surface finishing.

Screw:Standard is hardened guide way,optional is Taiwan Hiwin linear guide way.The guide screw adopts the imported JIS-C3 grinding grade pre-stretched nut screw to eliminate the backlash, after heat treatment, it has good rigidity, wear resistance, and guarantees the high precision of the operation.

Auto tool changer:

Taiwan hat type (16 knives) tool magazine. Advantages: low wear, long life, easy adjustment, and low failure rate.Optional configuration is Taiwan 20/24 disc type Auto tool changer.

Controller system

Controller system: there is GSK /KND/SIEMENS/SYNTEC/FANUC controller system could to be choosed

Optional configuraton: Factory price fanuc control vertical cnc milling machine vmc1160 cnc milling machine 5 axis

4th and 5th axis :

4th and 5th axis can be choosed as opintional, Horizontal & vertical cnc rotary table can be choose as optional.
Especially for special jobs.High precision, improve processing efficiency, and shorten the processing flow.

PROBE MEASURING

METROL , RENISHAW or PIONEER brand workpiece measuring system and tool measuring system are optional configurations.

Chip conveyor outside machine

The machine tool chip conveyor is mainly used to collect various metal and non-metal scraps produced by the machine and transfer the scraps to the collection vehicle. It can be used in conjunction with the filter water tank to recycle various coolants.

24 tools arm type Auto tool changer

The tool change speed is fast, within 4s. The mechanical arm pulls the tool from the tool magazine and the spindle at the same time and installs it on the spindle and the tool magazine after a 180° rotation to complete the tool change process.

Support and Services:

Our CNC Milling Machine product is supported by our team of experienced technical support engineers who are available to assist with any questions or issues related to the product. We offer a range of services to ensure that our customers get the most out of their CNC Milling Machine, including:

Installation and setup assistance
Training and education on the product
Diagnostic and troubleshooting services
Repair and maintenance services
Upgrades and enhancements to the product

Our technical support team is available via phone, email, or online chat. We also offer on-site support services for customers who require assistance with their CNC Milling Machine in their own facilities. Whatever your needs may be, our team is dedicated to providing comprehensive and effective support to ensure that your CNC Milling Machine operates at peak performance.

Packing and Shipping:

Product Packaging:

The CNC milling machine will be securely packaged in a wooden crate to prevent any damage during shipping.

All necessary accessories and tools will be included in the package.

Clear instructions for assembly and operation will also be provided.

- 1.Port: Qingdao port or Shanghai port
- 2.Payment method: T/T, L/C, D/P, D/D etc.
- 3.Payment: 30% T/T as deposit, 70% balance shall be paid before shipment.
- 4.Delivery time: 30 days after receive the 30%T/T deposit.
- 5.Non-fumigation packaging, we use seaworthy plywood.
6. Steel base plate, it is stronger 3-5 times than normal plywood base plate.
- 7.Water-proof and damp proof, water resistant film wraped all the machine.



FAQ:

1.Does the application of Factory price fanuc control vertical cnc milling machine vmc1160 cnc milling machine 5 axis can be customized?

Of course, if our standard configuration can not meet your needs, please tell us that we redesign and produce the machine to meet your needs

2.How long is the warranty period of the Factory price fanuc control vertical cnc milling machine vmc1160 cnc milling machine 5 axis ?

Warranty period is one year, if parts damage within one year, we will send free of charge. Free online training or factory training to ensure that you can use our products properly. We can offer overseas paid installation, commissioning service.

3.What time is your work time?

We work online 24 hours a day, offer quotes and technical support at any time.

4.Do you use the Trade Assurance on ?

Yes, all of the order use this.Can guarantee the quality of the product and your payment.

5.How to get a quote?

Please tell us the model you need or send us drawings of the workpiece, then we can recommend the most suitable products to you. We will give you the best offer within 24 hours.

6.How to contact with you?

My mobile/whatsapp: +86 18660853235; QQ:3494630853 ;Please send message to us, thanks in advance!



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