

LET'S ETTE

shandong lu young machinery co., ltd

China

CE

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Luyoung

VL1200

100sets

USD66000-80000

45 working days

Fumigation-free plywood

## **Basic Information**

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

LUYOUNG

- Packaging Details:
- Delivery Time:
- Payment Terms: L/C, T/T

luyoungcncmachines.com

Supply Ability:



## **Product Specification**

- Table Size:
- 1300mm X 1100mm

1300 Mm

1300 Mm

1350 Mm 12000 R/min

6000 Mm/min

700mm

- Maximum Load-bearing Of 3 T Workbench:
- X-axis Maximum Stroke:
- Y-axis Maximum Stroke:
- Z-axis Maximum Stroke:
- Gantry Width:

• Spindle Taper:

Highlight:

- Max Spindle Speed:
- Maximum Cutting Speed:
  - BT40/ 150

M80A Mitsubishi VL1200 Milling Machine, M80A Mitsubishi VL1200 Gantry Milling Machine

M80A Mitsubishi VL 1200 Type Gantry Milling VL 1200



# **Product Description**





### Specifications:

content	name	specifications and models
working table	Table size	1300mm X 1100mm
	Maximum load-bearing of workbench	зт
	X-axis maximum stroke	1300 mm
Processing range	Y-axis maximum stroke	1300 mm
	Z-axis maximum stroke	700 mm
	Gantry width	1350 mm
	Max spindle speed	12000 r/min
principal axis	Maximum power of spindle motor	11/15kw
	Minimum/maximum distance from spindle to table top	130-730 mm
	Spindle taper	BT40/ 150
servo	Three-axis motor torque	30/30/30NM
		X-axis 18m/min
feed	Fast moving	Y axis 20m/min
		Z axis 20m/min
	Maximum cutting speed	6000 mm/min
positioning accuracy	X axis	±0.005/300 mm
	Y axis	±0.005/300 mm
	Zaxis	±0.005/300 mm
Repetitive positioning accuracy	X axis	±0.008mm
	Y axis	±0.007mm
	Zaxis	±0.005mm

perpendicularity X/Y axis	±0.015/300 mm
Machine tool weighs about	13T

#### **Product Feature:**

1. Bed-workbench 1) The lathe bed workbench, including the columns, beams, sliding saddles, headstock and other large pieces described later, are cast by high-strength cast iron materials and resin sand technology. These large pieces are optimized by 3D computer software, and the ribs and plates are arranged reasonably, which improves the rigidity and strength of the large pieces. 2) lathe bed-imported heavy-duty imported roller linear guide rail, with good accuracy retention, high sensitivity and precision of the workbench and excellent servo drive performance; At the same time, it has large bearing capacity and good cutting vibration resistance, which can improve the performance characteristics of machine tools, improve the precision and precision stability of machine tools and prolong the service life of machine tools. 3)X-axis drive-the servo motor rotates the ball screw (the size of the X axis is more than 3m) through the planetary reducer to drive the workbench to move back and forth on the lathe bed to realize the X-axis feeding movement, and the screw is pre-stretched to improve the rigidity of the screw pair.

2. Cross beam 1) The guide rail of the beam adopts vertical cross layout, with excellent mechanical properties, which can greatly improve the cutting accuracy and rigidity, ensure that the beam has sufficient bending stiffness and torsional stiffness, and the machine tool can meet the heavy load cutting. 2) The beam guide pair adopts imported heavy-duty roller linear guide rail, which has good accuracy retention, is suitable for strong cutting and has good running stability. 3)Y-axis drive-the servo motor drives the ball screw, which drives the sliding saddle to move left and right on the beam to realize Y-axis feed movement

3. Spindle box 1) The spindle box adopts square ram structure, and the Z axis adopts imported heavy-duty roller linear guide rail and four heavy-duty guide rails, which have good shock absorption and ensure smooth cutting during processing. 2)Z-axis drive-the servo motor drives the ball screw, which drives the spindle box to move up and down on the sliding saddle to realize Z-axis feed. Z-axis motor has the function of automatic braking. In case of power failure, automatic braking will hold the motor shaft tightly so that it cannot rotate. 3) The spindle group is produced by Taiwan Province professional factory with high precision and high performance. Grasping the cutter of the spindle relies on the disc spring on the spindle to act on the pulling nail of the handle through the four-claw broaching mechanism with tension, and the cutter is closely matched with the taper hole of the spindle to realize the grasping of the cutter. 4) The machine tool has the function of spindle orientation.

4. Pneumatic system Mainly used for tool clamping; Blowing at the center of the spindle; The front end of the spindle is sealed and blown.

5. Machine tool protection The bed guide rail (X axis) of the machine tool adopts stainless steel telescopic protective cover; The beam guide rail (Y axis) adopts organ protection; The whole machine tool is fully protected to prevent iron filings and coolant from splashing, so that the operator can work in a safe and comfortable environment.

6. Lubrication system 1) Three coordinate bearings are lubricated by grease. 2) Ball screw pairs adopt automatic thin oil lubrication. 3) Three-coordinate guide rail pair, with automatically controlled lubricating points, and lubricating oil is diverted to lubricate the guide rail pair, and the action is automatically controlled by the numerical control system.

7. Balance system The liquid nitrogen balance mechanism is adopted to ensure the stability of the spindle box movement, and the hydraulic cylinder is used to loosen the knife-disc spring tension automatic broaching device.

8. Cooling system The spindle end of ram has the function of external cooling of cutter, and the cooling liquid is generally noncorrosive liquid such as emulsion and lightly mineralized oil.

9. Chip removal system The iron chips processed on the workbench are conveyed to the chain chip remover at the front end of the lathe bed through the spiral chip removers on both sides of the lathe bed.

10. Special heat exchanger for electric cabinet The heat exchanger of the electric control box is sealed, and there is no convection between inside and outside air. Can block moisture, oil and gas and dust from entering the electric control box; Simplification, lightness, no space occupation and simple maintenance. Electric cabinet air conditioner (optional): special air conditioner (air conditioner) for electric cabinet can be selected according to external environmental conditions; The electronic temperature control accuracy is ±1C, which can keep the constant temperature in the electric cabinet, control the heat source and have dehumidification function, and improve the service life of electronic components.

11. Spindle oil cooler (standard) This machine tool can be equipped with an oil cooler with constant temperature control, which can prevent the mechanical spindle from affecting the working accuracy due to temperature rise, improve the machining accuracy and efficiency, prevent the spindle center of the working machine from shifting or thermal deformation, prolong the mechanical life, stabilize the oil pressure, prevent oil shock, and operate with simple operation and low noise.

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