



VMC1580 3Axis High Precision Cnc Milling Machines Vertical Machining Center

Our Product Introduction

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Basic Information

- Place of Origin: Henan, China
- Brand Name: BAISHUN
- Certification: ISO
- Model Number: VMC1580
- Minimum Order Quantity: 1 set
- Price: Negotiation
- Packaging Details: Export standard wooden case or as customers' requirement.
- Delivery Time: 45 work days
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 50 Set/Sets per Month



Product Specification

- Products Name: Vertical Machining Center
- Machine Type: VMC1580
- Table Size (mm): 1700*800
- Max.load Capacity: 1500kg
- Spindle Taper: BT50
- XYZ-axes Travel: 1500*800*700mm
- Spindle Motor Power(kW): 15kw
- Tool Numbers: 24pcs
- Application: Metalworking
- Keywords: High Precision Vertical Machining Center
- Highlight: **High Precision Cnc Milling Machines, Vertical Machining Center Cnc Milling Machines , 3 Axis Cnc Milling Machines**



More Images



Product Description

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VMC1580 3Axis Cnc Milling Machines Vertical Machining Center

Vertical milling center (VMC) is a type of milling machine that is commonly used in manufacturing industries such as automotive, aerospace, and electronics. It is typically used to produce precision parts with complex shapes, using a computer-controlled tool that rotates and moves along multiple axes.

1. The base parts, carriages, worktables, columns, spindle boxes and other main parts are made of HT300 cast iron; the base is box-type structure, and the compact and reasonable symmetric rib structure ensures the high rigidity and bending resistance of the base parts. A-type bridge struts and internal grid-like ribs strongly guarantee the rigidity and precision of Z-axis strong cutting; the basic parts are made of resin sand and treated with aging to ensure the stability of the long-term use performance of the machine tool.

2. X, Y, Z three-direction feed adopts high-precision and high-strength inner-ring double-nut preload large lead ball screw with high feed speed; drive motor is directly connected with screw through elastic coupling. The feed servo motor directly transmits the power to the high-precision ball screw without backlash, ensuring the positioning accuracy and synchronization of the machine tool.



Machine parameters:

Technical parameter	VMC650	VMC850	VMC1160	VMC1270	VMC1580
Worktable size(mm)	1000*400	1000*500	1200*600	1360*700	1700*800
Worktable max.load(kg)	400	500	800	1000	1500
T-slot (number*width*distance)	3-18*120	5-18*102	5-18x100	5-18-122	7-22*110
XYZ-axiss travel(mm)	650*400*550	800*500*500	1100*600*600	1200*700*600	1500*800*700
Distance from spindle nose to table surface(mm)	100-700	110-610	120-720	87-687	160-860
Distance from spindle center to column guideway(mm)	485	552	650	785	855
Spindle transmission type	Belt spindle	Belt type	Belt type	Belt spindle	Belt type
Spindle taper	BT 40 ϕ 120	BT 40 ϕ 150	BT 40 ϕ 150- 8000/10000/12000	(7:24) BT 40 ϕ 150	BT 50-150/155
Spindle speed(r/min)	8000/10000/12000	8000/10000/12000	8000/10000	6000/8000	6000/8000
Spindle motor(kw)	5.5	7.5	11	7.5/11	15
X/Y/Z-axiss rapid feed(m/min)	36/36/36	36/36/36	36/36/36	24/24/18	24/24/18

Cutting feed speed(mm/min)	1-10000	1-10000	1-10000	1-10000	1-10000
Tool number(pcs)	16	24	24	24	24
Tools change way	Arm type ATC	Arm type ATC	Disc type ATC	Arm type ATC	Disc type ATC
Tool change time(s)	2	2	1.8	2	2
Max tool weight(kg)	8	8	8	10	15
Max tool length(mm)	300	300	300	300	300
Positioning precision(mm)	±0.008	±0.008	±0.008	±0.008	±0.008/300mm
Reported positioning precision(mm)	±0.005	±0.005	±0.005	±0.005	±0.005/300mm





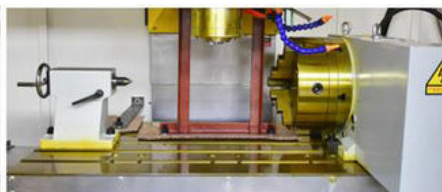




we can equip all brand CNC controller: FANUC Oi-mf; Siemens808D; Siemens 828; Mitsubishi M80; also Chinese CNC brand like: HNC808; KND2000mf; GSK980T;etc.

4 axis and 5 axis are optional:

4th axis, 5th axis available



Chip conveyor are optional:

Screw type chip conveyor



Chain type chip conveyor with cart



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Company Information

Henan Baishun Machinery Equipment Co.,Ltd is a professional manufacturer, which especially work for[Slotting machine](#),[Vertical lathe machine](#), [CNC Vertical lathe machine](#), [CNC Horizontal lathe machine](#), [Roll lathe machine](#), [Gear hobbing machine](#), [Pole erection machine](#), [Shredder machine](#),etc.

We attach great importance to international technical exchanges and cooperation, has introduced advanced technology and craft from United States, Germany, Australia and other countries, establishes the international advanced production lines and first-class modern testing base. [Welcome all friends visiting and communicating and cooperating!!!](#)

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- 6: OEM production is available, to meet customer needs
- 7: Low MOQ (1 unit) is available.
- 8: 24 hours technical support.

Contact us



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