Small CNC Machine Center (Product No: VMC200)

APPROVED

Optional Colour and Base

The VMC200 is a compact 3-axis small CNC machining center with an optional 4th axis. It can be configured as either floor-standing or bench-mounted. Equipped with a high-performance 4-axis milling CNC controller that supports multi-language interface display, the machine comes standard with an MPG handwheel.

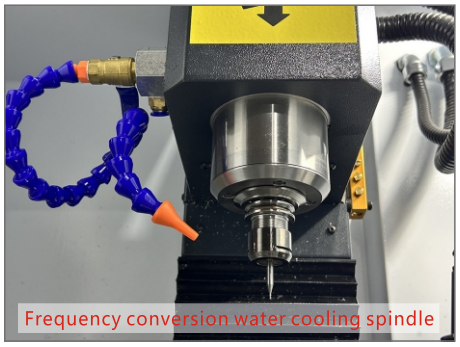
Constructed from high-quality castings, it adopts high-precision linear guides and ball screws paired with an automatic lubrication system to extend the service life of the guide rails. It features a 6-tool automatic tool changer (ATC) system and an ISO20 spindle. The variable-frequency water-cooled spindle motor runs quietly with a maximum spindle speed of 24,000 rpm. The XYZ axes are driven by AC servo motors.

Optional configurations include a flood coolant system, an industrial cabinet base and an automatic tool setter. This machine is ideal for machining various hard-to-cut materials including aluminum and steel. Compatible CAM software includes MasterCAM, UG, Fusion360 and SolidWorks. It is well-suited for process development, advertising design, artwork fabrication, CNC training at vocational technical colleges, as well as DIY enthusiasts.

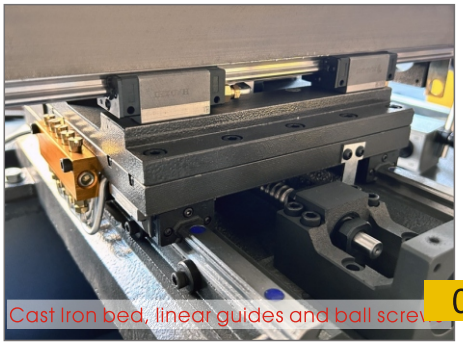
Optional 4th axis

6-tool ATC system & automatic tool setter

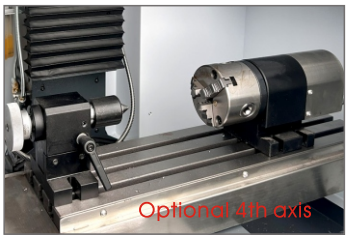
Servo motor and servo drive


Frequency conversion water cooling spindle

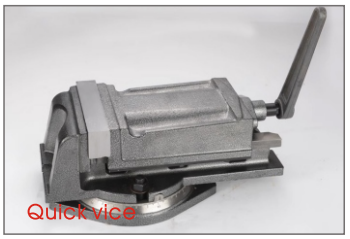
Milling CNC controller


Cast iron bed, linear guides and ball screw

Optional Accessories


Optional 4th axis

Clamping Kit


Quick vice

Flood coolant

Z Axis tool setter

Carbide end mill

HSS end mill

HSS ball-end mill

As Standard With

Technical Parameters

1	X axis travel	230mm
2	Y axis travel	130mm
3	Z axis travel	220mm
4	Spindle taper	ISO20
5	Automatic tool change system(ATC)	6 Tools
6	Pneumatic supply	0.6 MPa
7	Tool DIA. range	1-13mm
8	Control system	KY1000MC CNC Controller
9	Spindle power	2.2kw
10	Spindle speed	100-24000rpm
11	XYZ axis motor type	400W AC servor motor
12	The max moving speed	8000mm/min
13	The max feeding speed	4000mm/min
14	Positioning accuracy	0.015mm
15	Repeatability accuracy	0.01mm
16	Transmission	Ball screw
17	Guide rail	High-precision linear guide
18	Table size	460*130mm
19	Number of T-slots	3
20	Width of T-slot	12mm
21	Table structure	Full cast iron
22	Power	230VAC / 110VAC
23	Weight(NW/GW)	180/230kg Optional base after:260/330kg
24	Overall dimension	950×680×1000mm Optional base after:950×680×1600mm
25	Packing size	1000×750×1200mm Optional base after:1100×900×1800mm