

Product No: VMC300

Product Name: Small 5 Axis CNC Machine Center



Features

- (1). High performance 5 axis CNC center machine controller.
- (2). The standard spec includes electronic hand wheel.
- (3). Selection of high -quality casting materials, more compact.
- (4). 8 tools ATC.ISO20 spindle type, 24000rpm spindle speed.
- (5). USB/U dis/RS232COM etc many kinds of communication mode, to help users achieve different data transmission and software upgrades easily.
- (6). Frequency conversion water cooling motor, low noise, high speed and good durability.
- (7). Perfect self diagnosis function, internal and external status real-time display, alarm immediately when abnormal.
- (8). Macro variable, macro definition programming, realizing a variety of logical relations. Support macro program with parameters, convenient to the user programming.
- (9). DXF+G code template function, converting DXF automatically to G code for processing.
- (10). Graphic simulation function: show the graphics of the processing program and the tool path of the actual operation, tool path simulation processing without controlling the operation of the machine , to exam if the preparation process is correct.
- (11). Multi interface selection: support multi language interface display, automatic fault alarm. Processing information display, processing time, the number.
- (12). Parameter tabular: Input / output address number setting, only need to fill in the corresponding value in the configuration table.
- (13).Applicable industry: technology development, advertising design, art, ocational technical college Education & Training CNC and DIY enthusiasts.

Technical parameters	
X axis travel	300mm
Y axis travel	175mm
Z axis travel	270mm
4th axis Travel	A axis:+30° to -120°
5th axis Travel	± infinity
Spindle taper	ISO 20
Tool number	8
Pneumatic supply	0.6 MPa
Tool DIA. range	1-13mm
Standard Size Collet	1mm- 13mm
Control system	5 axis CNC center machine controller
Instruction	DXF+G code template function, converting DXF automatically to G code for processing
MPG hand wheel	5 axis
Spindle Power	1.5kw
Spindle speed	100-24000rpm
Motor Type	XYZAB axis AC Servo
Rapid movement in X /Y/Z Axis	1-8000mm/min

Feed rate in X/Y/Z Axis	1-4000mm/min
Power of X/Y/Z Axis	AC Servo 750W
Power of A/B Axis	AC Servo 200W
Positioning accuracy	0.03mm
Repeatability accuracy	0.02mm
Transmission	ball screw
Table size	450*160mm
Number of T-slots	3
Width of T-slot	12mm
Table structure	Full cast iron
Power	230VAC / 110VAC
Weight(NW/GW)	500/550kg
Overall dimension	1360*990*1800mm
Packing size	1400*1050*2000mm





