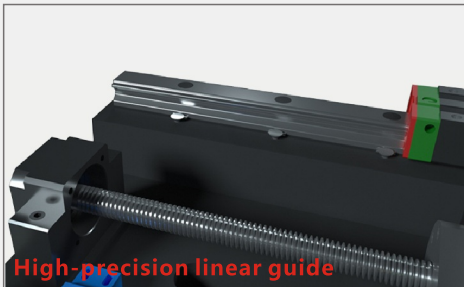


Small 5 Axis CNC Machine Center (Product No: VMC300)



A Small 5 Axis CNC Machine Center, very stable. High performance 5 axis milling CNC control, support rotation tool center point (RTCP), support multi language interface display, the standard spec includes MPG hand wheel. Selection of high-quality casting materials, High-precision linear guide and ballscrews, XYZAC axis motor type are AC servo motor, 4th and 5th axis adopt harmonic reducer, with interlocking guard, with 10 station automatic tool changer and the flood coolant, with automatic aligning instrument, automatic lubrication system, ISO20 spindle type. Standard is 5 axis CNC milling machine, optional 3th axis or 4th axis CNC milling machine. The VMC300 has a more powerful, higher speed spindle (24000rpm) for cutting. Programmable spindle speeds and feedrates make the VMC300 ideal for cutting a range of resistant materials such as plastic, free cutting alloys, aluminium and steel. Recommended software programs, such as MasterCAM, UG, Fusion360, SolidWorks, ArtCAM software is required. Best choice for DIY or hobby user and education & training CNC.



High-precision linear guide



5th axis
Using maintenance free Harmonic Reducers



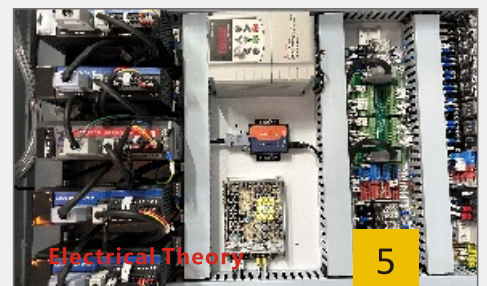
Automatic Tool Changer



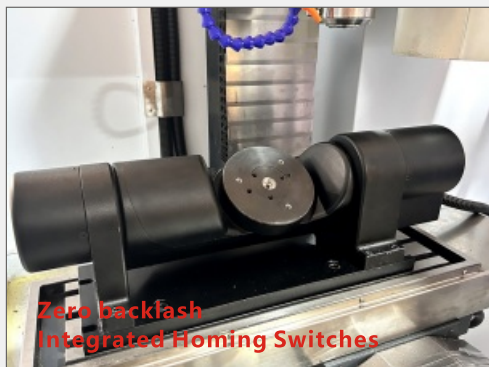
Automatic aligning instrument



Lubrication System



Electrical Theory



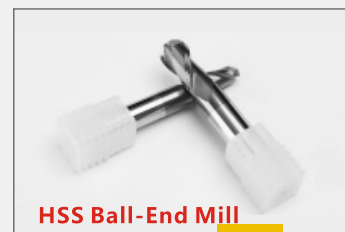
Recommended software programs

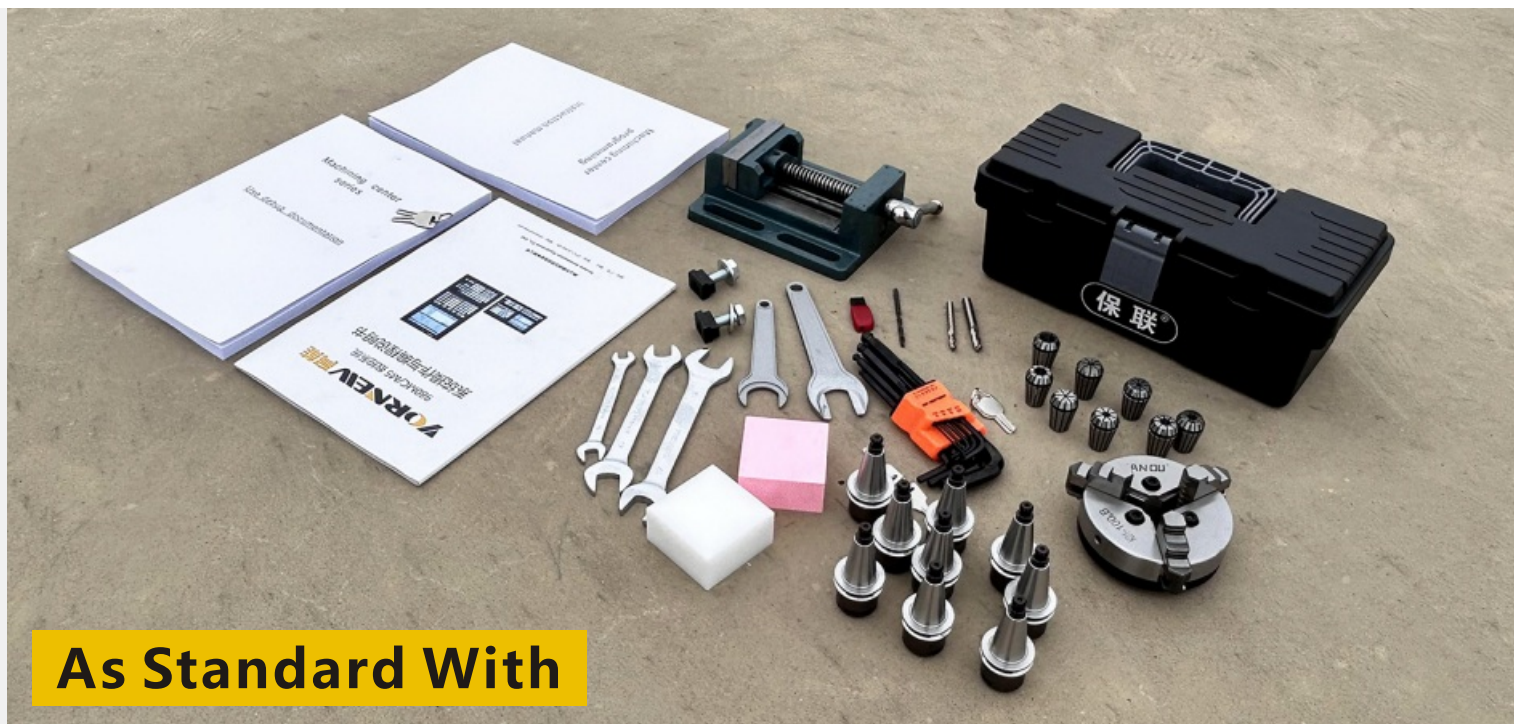
Such as MasterCAM、UG、Fusion360, SolidWorks, ArtCAM software is required

Optional colour



Optional Accessories





As Standard With

Technical Parameters

1	Positioning accuracy	0.02mm	
2	Repeatability accuracy	0.01mm	
3	X axis travel	310mm	
4	Y axis travel	180mm	
5	Z axis travel	290mm	
6	5th axis	Backlash	Zero Backlash
		Max Speed 4th axis	30/R.P.M
		Max Speed 5th axis	30/R.P.M
		Accuracy 4th axis	±1 arc-min
		Accuracy 5th axis	±1 arc-min
		Repeatability 4th axis	20 arc-sec
		Repeatability 5th axis	20 arc-sec
		Homing	A axis
		Limits	+C, -C
		4th axis Travel	A axis:+30° to -120°,
		5th axis Travel	C axis:±infinity
	C axis Output Flange Diameter	120mm	
7	Spindle taper	ISO 20	
8	Automatic tool change system(ATC)s	10 Tools	
9	Pneumatic supply	0.6 MPa	
10	Tool DIA.range	1-13mm	
11	Standard Size Collet	1-13mm	
12	Control system	5 axis CNC center machine controller	
13	MPG hand wheel	5 axis	
14	Spindle Power	1.5kw	
15	Spindle speed	100-24000rpm	
16	Motor Type	XYZAC axis AC Servor	
17	Rapid movement in X /Y/Z Axis	1-8000mm/min	
18	Feed rate in X/Y/Z Axis	1-4000mm/min	
19	Power of X/Y/Z Axis	AC Servo 750W	
20	Power of A/C Axis	AC Servo 200W	
21	Transmission	ball screw	
22	guide rail	High-precision linear guide	
23	Table size	550*180mm	
24	Number of T-slots	3	
25	Width of T-slot	12mm	
26	Table structure	Full cast iron	
27	Power	230VAC/110VAC	
28	Weight(NW/GW)	650/700kg	
29	Overall dimension	1360*990*1800mm	
30	Packing size	1400*1050*2000mm	

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