XENDOLL 佛山市先导数码科技有限公司
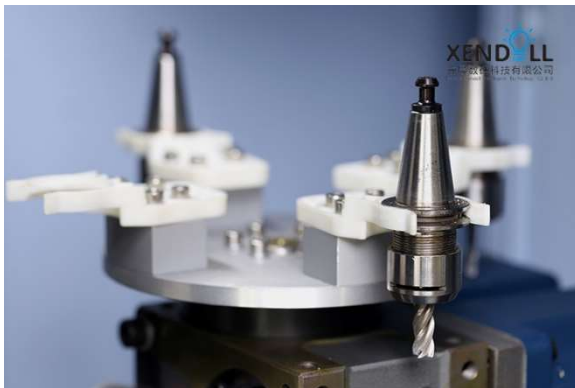Foshan Xendoll Intelligent Technology Co., Ltd

VMC 220

Product name: Small CNC Machine center

Features

(1). High performance 3 axis CNC center machine controller.

(2). The standard spec includes electronic hand wheel.

(3). Selection of high -quality casting materials, more compact.

(4). 4 tools ATC.ISO20 spindle type, 24000rpm for spindle motor, 3500rpm for mechanical spindle.

(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, technical college Education & Training CNC and DIY enthusiasts.

Specification (Technical parameter)

Processing range	**X axis stroke X**		mm	**220**
	Y axis stroke Y		mm	**120**
	Z axis stroke		mm	**200**
	Max. drilling/milling capacity		mm	**13**
	milling capacity cutter head(max.)		mm	**13**
	Max. end milling capacity		mm	**13**
	Spindle to table		mm	**70-200**
	spindle to column		mm	**180**
Worktable	**Worktable**		mm	**400x140**
	Max loading capacity		kg	**30**
	T-slot (width*slot number*spacing)		mm	**3-14-63**
Spindle	**Main axis speed**	**Unpowered spindle**	rpm	**0-3500**
	Spindle power	**Unpowered spindle**	W	**750**
	Spindle taper	**Unpowered spindle**	/	**ISO20**
Feed drive	**X, Y, Z axis rapid traverse speed**	**Closed loop**	mm/min	**6000**
	X, Y, Z axis torque	**Closed loop**	N.m	**2.2**

	guide rail	Ball screw/hard screw	mm	Ball screw
Tool library	Tool library capacity		pcs	4
	Tool library form		/	
Positioning accuracy			mm	±0.015
Repeated positioning			mm	±0.01
Hand wheel			Yes/No	Yes
Cooling system			Yes/No	No
Lubrication			/	Manual
CNC system			optional	XDBC818MS5
Air pressure			pa	0.55-0.6Mpa
Machine power source			V/Hz	220/52
Machine weight			kg	220
Product size/dimension			mm	1000x850x970

Standard Accessories

No.	Tools	Spec.	Qty
1	Collet chuck	ISO20 – ER20	1
2	ER20 Collet chuck set (8-piece)	$\varphi 3.175$	1
3		$\varphi 5$	1
4		$\varphi 6$	2
5		$\varphi 8$	1
6		$\varphi 9$	1
7		$\varphi 10$	1
8		$\varphi 12$	1
9		$\varphi 13$	1
10	Spanner wrench	ISO20-ER20	1
11	Quick vice	Q19D75	1
12	Hex Wrench set (6-piece)	S=3	1
13		S=4	1
14		S=5	1
15		S=6	1
16	Open End Wrench Set	S=13/16	1
17	Phillips Screwdriver	$\varphi 75*5$	1
18	Flathead Screwdriver	$\varphi 75*5$	1
19	Oil bottle	100ml	1
20	Twist drill bit	$\varphi 3$	1
21		$\varphi 4$	1

22	milling cutter	Φ4	1
23		Φ6	1
24	Bakelite Block	50*50*20mm	1
25	Aluminum Block	50*50*20mm	1
26	Micro CNC milling manual	VMC220	1
27	CNC controller manual	Xendoll	1

Optional Accessories

No.	Tools	Spec.
1	Mill Chuck Set	8-piece
2	Quick Vice	100mmS/N:10036
3	Clamping Kit	58-piece
4	Carbide end mill Set	6-piece
5	Fluts Hss end mill Set	7-piece
6	Antimagnetic edge finder	/
7	Indexable carbide end mill	MT3
8	the 4TH axis	/
9	Z axis tool setter	/
10	Tailstock for the 4th axis	/
11	MT3 Tapping handle and chuck	3,4,5,6,8mm