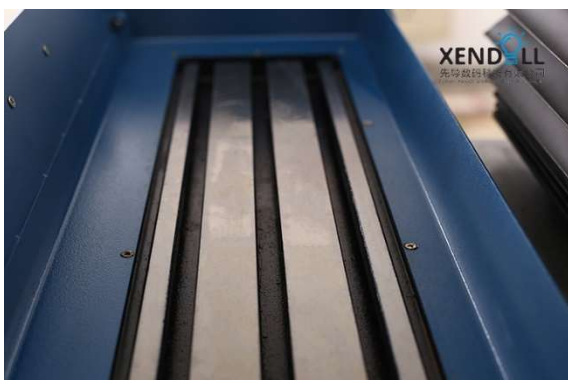


Model: C31

Product Name: Mini CNC milling Machine



Features

- Milling CNC machine tools based entirely on the design and manufacture, reflects the structural integrity of facilitate future design ideas

- High performance 4 axis CNC milling controller, XDBC818ND3 CNC Controller. Optional GSK980MDc or KIND CNC Controller.
- The CNC system can control 5 feed axes (including C axis), 2 analog spindles, 1ms high-speed interpolation, 0.1μm control precision, which can obviously improve the machining efficiency, precision, and surface quality.
- X, Z, Y, 4th 5th axis name and axis type of Y, 4th, 5th can be defined, 1ms interpolation period, control precision 1μm, 0.1μm, maximum speed 60m/min (up to 24m/min in 0.1μm), adapting to the servo spindle to realize the spindle continuously positioning, rigid tapping, and the rigid thread machining, built-in multi PLC programs, and the PLC program currently running can be selected statement macro command programming, macro program call with parameter, metric/inch programming, automatic tool setting, automatic chamfer, tool life management function, Chinese and English display are available, USB interface, U disc file operation, system configuration and software.
- The standard spec includes MPG hand wheel.
- MPG handwheel convenient electronic control of each axis of movement.
- Selection of high -quality casting materials, more compact.
- A collection of double-nut ball screw, bearings, and couplings with high precision positioning, while adding an automatic oil lubrication system, to protect your machine precision, extended service life.
- 220VAC or 110VAC single-phase AC power supply.
- Safety electrical components of high quality and fast plug.
- With sink and nozzles.
- Applicable industry: technology development, advertising design, art, technical college Education & Training CNC and DIY enthusiasts.

Specification (technical parameter)

Processing range	X axis stroke	mm	300
	Y axis stroke	mm	175
	Z axis stroke	mm	270
	Max. drilling/milling capacity	mm	13
	Milling capacity cutter head(max.)	mm	16
	Max. end milling capacity	mm	50
	Spindle to table	mm	115-385
	spindle to column	mm	235
Worktable	Worktable size	mm	450x160
	T-slot (width*slot number*spacing)	mm	3-12-50
Spindle	Spindle drive mode	/	Unpowered spindle
	Main axis speed	rpm	300-3500
	Spindle power	kw	1.1
	Spindle taper	/	MT#3
Feed drive	X, Y, Z axis rapid traverse speed	mm/min	6000
	X, Y, Z axis torque	N.m	

Positioning accuracy (X, Y, Z axis)	mm	0.03
Repeated positioning (X, Y, Z axis)	mm	0.02
Handwheel	Yes/No	Yes
Cooling system	Yes/No	Yes
CNC system	/	XDBC818MD3
Air pressure	pa	0.55-0.6Mpa
Machine power	V/Hz	AC220V/50Hz
Gross weight/net weight	kg	300/350
Product size/dimension	mm	900x950x1750
Shipping size/dimension	mm	1100x1040x2000

Standard accessories

No.	Tools	Spec.	Qty.
1.	Drill Chuck Key	1-13mm	1
2.	Drill chuck	1-13mm	1
3.	Drill arbor	MT3 B16	1
4.	Quick vice	Q19D75	1
5.	Hex head bolt	M10*35	2
6.	Flat Washer	φ10*30*2	2
7.	T-slot Nut	M10	2
8.	Hex Wrench set (6-piece)	S=2.5	1
9.		S=3	1
10.		S=4	1
11.		S=5	1
12.		S=6	1
13.		S=8	1
14.	Open End Wrench Set (4-piece)	S=8/10	1
15.		S=12/14	1
16.		S=14/17	1
17.		S=19/22	1
18.	Phillips Screwdriver	φ75*5	1
19.	Flathead Screwdriver	φ75*5	1
20.	Oil bottle	100ml	1
21.	Sockey wrench	S=8	1
22.		S=10	1
23.	Twist drill bit	Φ3	1
24.	Milling cutter	Φ6	1

25.	Drawbar	280*M10	1
26.	Bakelite Block	50*50*20mm	1
27.	Aluminum Block	50*50*20mm	1
28.	Micro CNC milling manual	C31	1
29.	CNC controller manual	XDBC818MD3	1

Optional Accessories

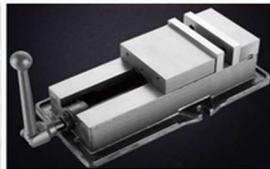
No.	Tools	Spec.
1	Mill Chuck Set	8-piece
2	Quick Vice	100mmS/N:10036
3	Clamping Kit	58-piece
4	Carbide end mill Set	6-piece
5	Fluts Hss end mill Set	7-piece
6	Antimagnetic edge finder	/
7	Indexable carbide end mill	MT3
8	the 4TH axis	/
9	Z axis tool setter	/
10	Tailstock for the 4 th axis	/
11	MT3 Tapping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



Mill chuck set



Clamping kit



Quick vice



Carbide end mill 5 pieces set



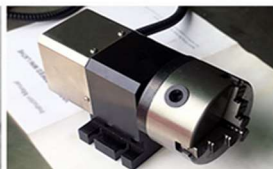
Fluts Hss end mill 4-16mm



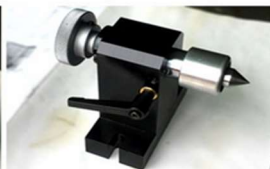
Indexable carbide end mill MT3



Antimagnetic edge finder



The 4th axis



Tailstock for the 4th axis



Z axis tool setter



MT3 Tapping handle and chuck(3,4,5,6,8mm)