

New CNC 6040 Small CNC Machine for Metal Aluminum Copper Brass Steel Engraving from ChinaCNCzone with Mach3 USB Control

Higher precision:

Heavier steel structure

XHC control board

With auto-checking function

2200w water-cooled spindle

Ball screw

Integrated high-speed micro computer intelligent control chip.

First STEEL STRUCTURE CNC6040 in the Market

Mach 3 software, supports Win10

Built in frequency converter and without controller box

Applicable to steel, aluminum, brass, copper, stone, granite etc.

You can buy this machine from us without any worry:

CE approved.

Video support.

English manual available.

Mach 3 software send with the machine as a CD.

Can engrave material which hardness below 45.

From reliable & trustable profesional China CNC Router manufacturer

Technical details:

Effective working travel	400(X)mm*600(Y)mm*100(Z)mm	
Shape dimension	510*620*570mm	
Work table dimension	510*825mm	
Frame materials	#45 steel	
acceptable material thickness	≤100mm	
Driving units	X/Y/Z axis SFUR1605-DFC7-P0 ball screw	
Sliding units	X axis	Dia.20mm chrome plate shafts
	Y axis	Dia.30mm chrome plate shafts
	Z axis	Dia.16mm chrome plate shafts
Stepping motor type	57 two-phase 2.5A 55N.cm	
Spindle motor	Brand new 2200W water cooling spindle, 24000RPM	
Principal axis collet	ER20 1-13mm,	
Repeat accuracy	0.05mm	
Spindle precision	radial beat acuities 0.03 mm	
Software environment	MACH3 Support windows10	
Maximum speed	0-4000mm/min	
Control unit	XHC mainboard	
Computer connection	USB port	
Command code	G code, tap, NC, ncc etc.	
Protection	Emergency stop button	
Operating Voltage	AC220V/110V	
Warranty	1 Year for the whole machine, 3 months for the spindle	
Package size	One wooden box, 110*80*85cm	
Net weight	110KG	

Samples made by this new CNC 6040 small cnc machine for metal



SAMPLE DETAILS

Material: 45# Steel

Tungsten mill D8, Ball mil R2/R1

Feed rate: 1000mm/min

Plunge: 0.2mm

RPM: 3000rpm/min



SAMPLE DETAILS

Material: 304# Stainless steel

End mill D4→3000RPM/min

Ball mill R0.5→5000RPM/min

Feed rate: 300mm/min

Plunge: 0.1mm



SAMPLE DETAILS

Material: Brass

*Conical Flat: 3003 (30°*0.3*D3.175mm)*

Feed rate: 500mm/min

Plunge: one time engraving/0.5mm

RPM:12000RPM/min

More pictures for this small cnc machine for metal

ChinaCNCzone

Steel Structure 6040

- ☑ For aluminum
- ☑ For copper
- ☑ For stainless steel

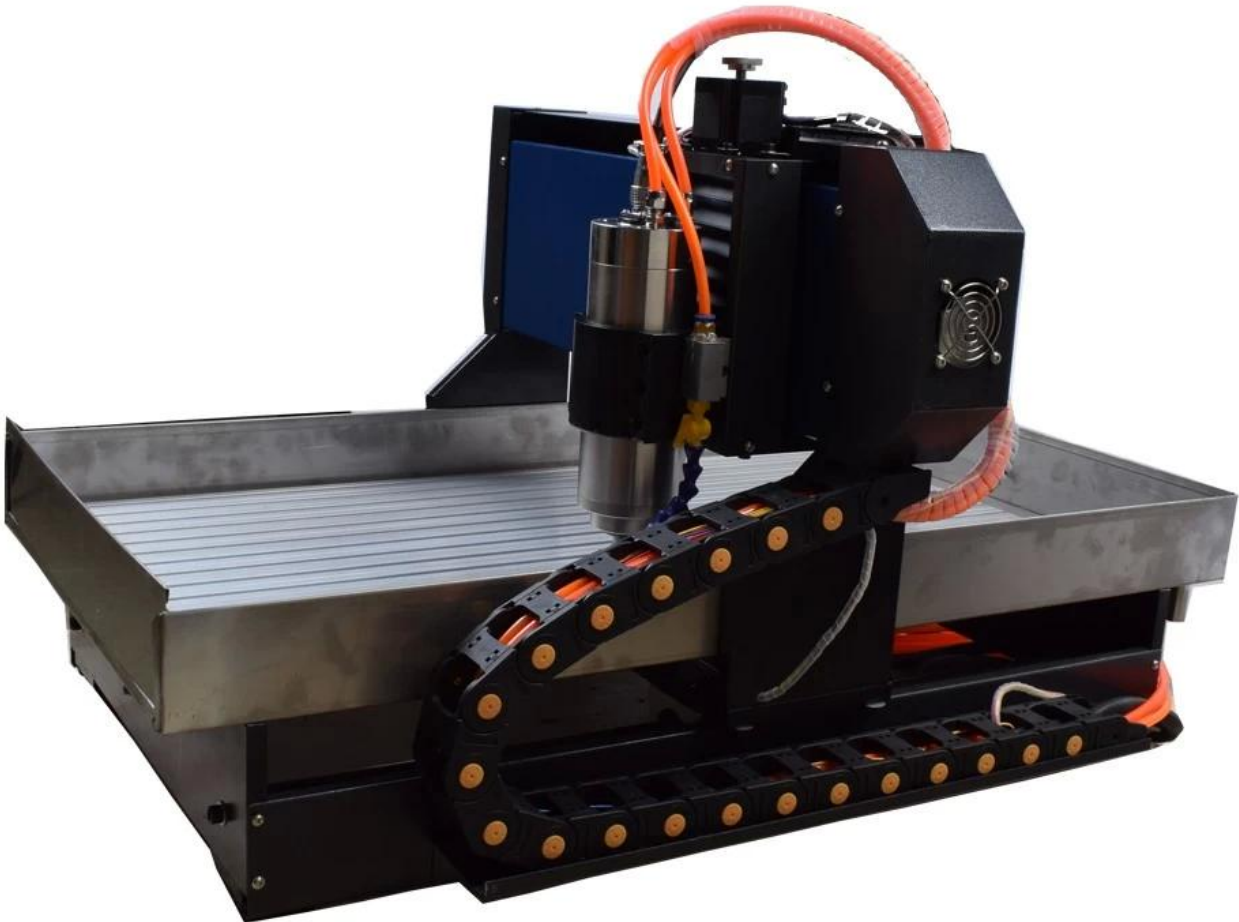


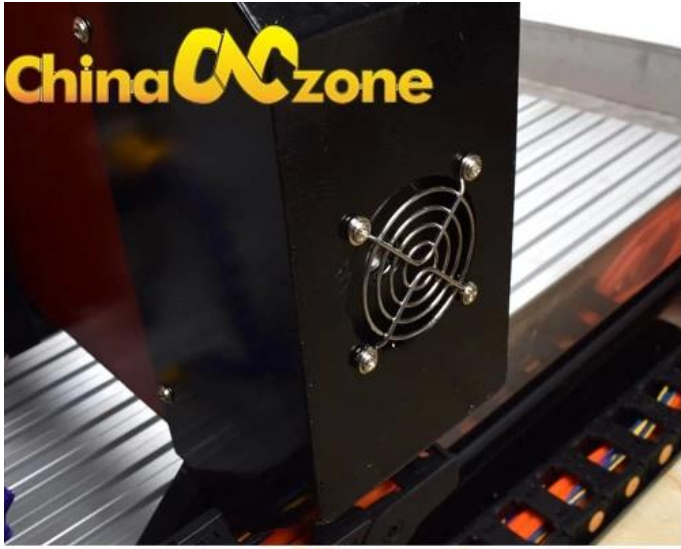
Steel Structure 6040

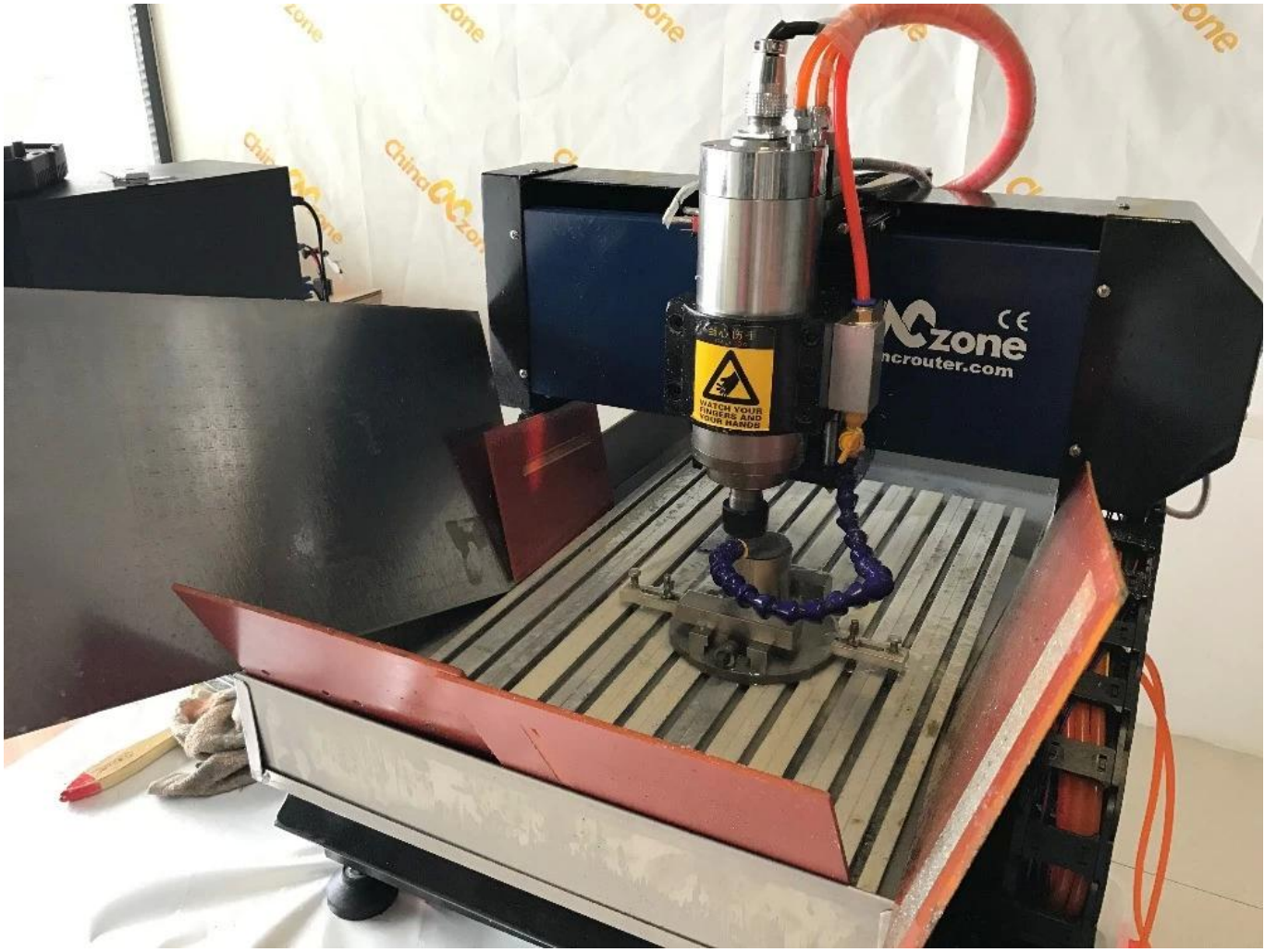
- ☑ For aluminum
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Packing list for this CNC 6040 Small CNC Machine

- 1 water pump***
- 2 water pump fixed feet * 8**
- 3 Water pump inlet * 2**
- 4 clamp tool * 6**
- 5 Power Cable * 1**
- 6 USB connect cable * 1**
- 7 Spanner * 2**
- 8 water sink outlet pipe * 1**
- 9 Engraving bits * 5**
 - 4F*6*6*19*63mm White steel bit * 1**
 - 4F*6*6*15*50mm Tungsten steel milling bit * 1**
 - 3.175*20°*0.1 * 1**
 - 3.175*20°*0.2 * 1**
 - 3.175*20°*0.3 * 1**



Exhibition moment



why?

CHOOSE US

Reliable manufacturer *Over 10-year CNC experience*
5 axis technical support *NX post processor provided*
First USB connection mini 5 axis machine in the Market
Real simultaneous 5 axis motion

ChinaCNCzone

Engineer Guo
Senior Engineer
10-year CNC operating experience

Skilled at Artcam, Powermill, UG/NX, MasterCAM

Skilled at Mitsubishi, Funac, Syntec, Siemens, Mach3, USBCNC control software

Unique idea to improve metal processing precision



ChinaCNCzone

Engineer Zhu
Senior Engineer
8-year CNC operating experience

Skilled at Artcam, Powermill, UG/NX etc.

Skilled at Mach3, USBCNC control software etc.

Unique perception of wood engraving

