

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

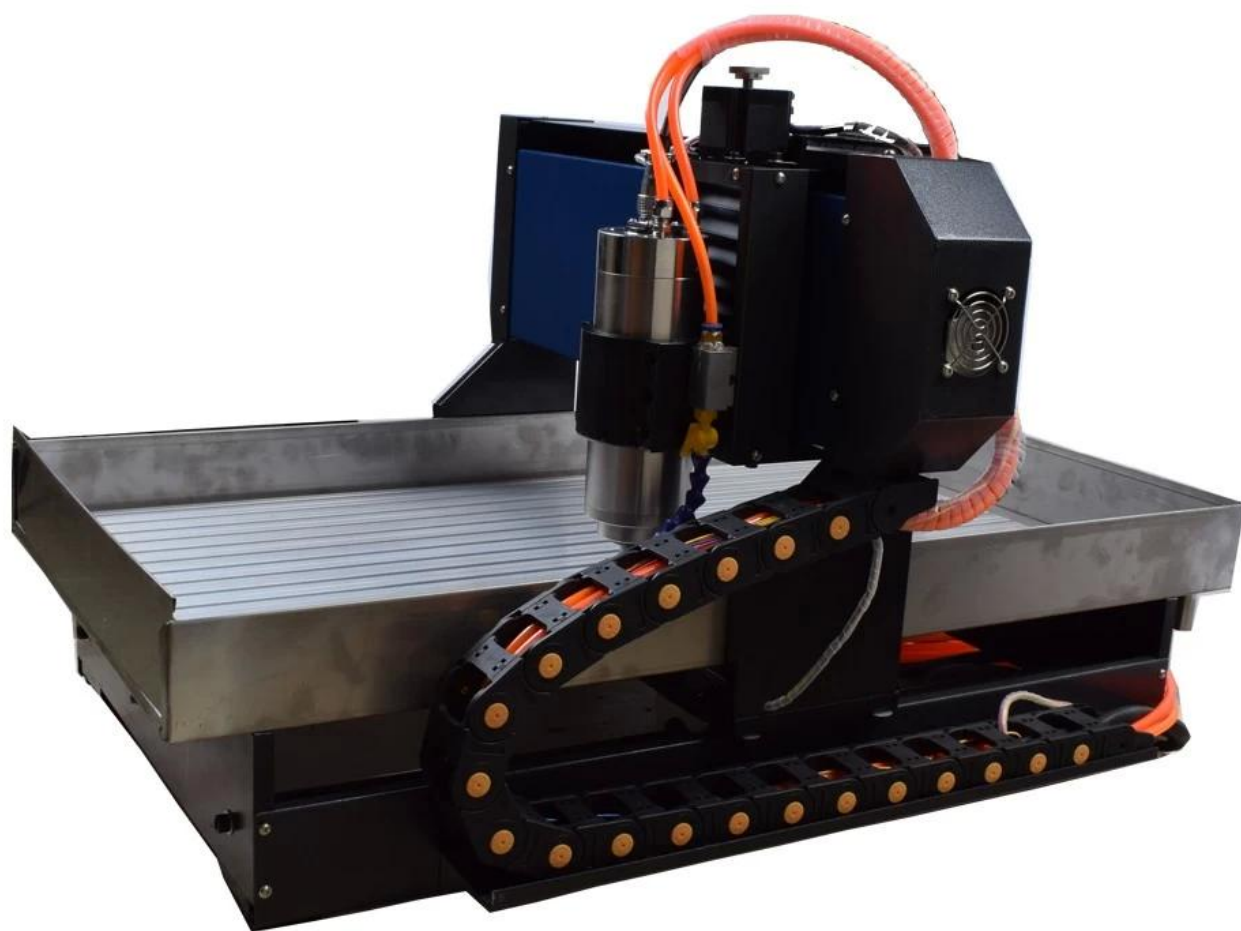
- ☑ For aluminum
- ☑ For copper
- ☑ For stainless steel

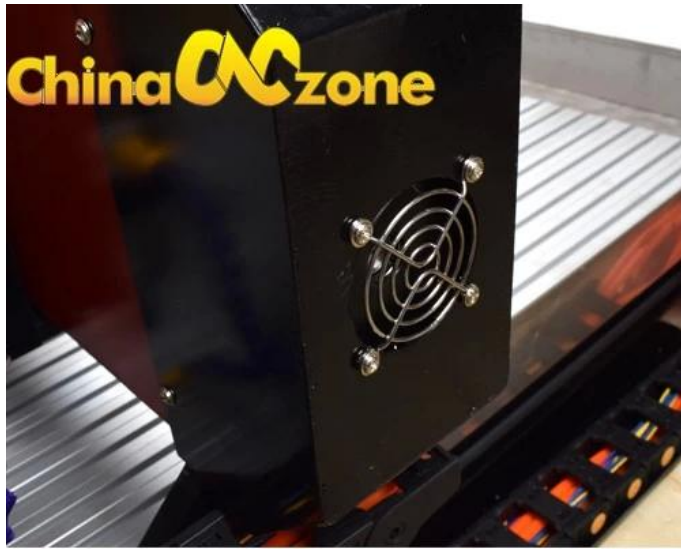


- ☑ For aluminum
- ☑ For copper
- ☑ For stainless steel













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

