

Latest ChinaCNCzone [CNC 6040](#) with sink cooling system main features as below:

1. 1500w / 2200w Water Cooled Spindle for selection
2. Has 3 axis and 4 axis for your selection, the [3 axis CNC](#) can be updated into [4 axis](#) easily and directly after you got the ChinaCNCzone 4th Axis.
3. The Z axis effective working area is 105mm, and accept material thick 145mm.
4. Has USB controller (Can be connected with computer by parallel port and notebook by USB interface)and Mach3 USB controller for your selection.
5. Ball screw high precision.
6. Independent power supply for mainboard, prolong using life.
7. Limited switch added.
8. Auto-Checking function.
9. The spindle speed can controlled by MACH3 software.
10. Software: compatible with Mach 3 or USB CNC software.
11. Can engrave material such acrylic, brass, wood, aluminum, PCB and so on.
12. Spindle diameter: 80mm
14. With water-cool system.
15. From professional china [mini CNC router](#) manufacturer.

Why add the Sink cooling system ?

It can cool the spindle and protect the machine.

Avoid the spindle burn out. when you

Can engrave the high hardness or metal

It can improve the efficiency and accuracy of the machine.

Note: You may also intrested in below, Just click below link::

A. [The Outstanding Features for ChinaCNCzone MACH 3 USB CNC 6040 3 Axis 1500W 2200W](#)

B. [The comparisons of CNC 6040 made by ChinaCNCzone and Other suppliers.](#)

C. [What are the differences between ChinaCNCzone NEW CNC 6040 and Old Version](#)



02 Parameters China zone

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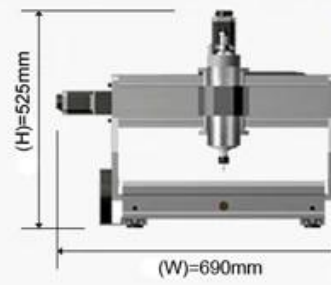
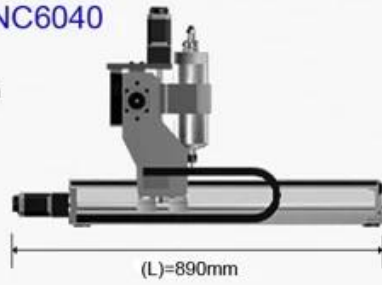
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|---|--------|---|
| Mach3 USB CNC 6040 3 Axis 4 Axis Mini CNC Router parameters | | |
| Effective working travel | | 580(X)mm*400(Y)mm*105(Z)mm |
| Shape dimension | | 880*670*640mm |
| Max.workpiece dimension | | 750mm*450mm<150mm |
| Work table dimension | | 750mm*480mm |
| Frame materials | | aluminum alloy 6063 and 6061 the unique and dedicated mold extrusion profiles. let counterfeiter's dwarfs |
| acceptable material thickness | | ≤145 |
| Driving units | X axis | 1605 ballscrew |
| | Y axis | 1605 ballscrew |
| | Z axis | 1605 ballscrew |
| Sliding units | X axis | Dia.16mm chrome plate shafts |
| | Y axis | Dia.20mm chrome plate shafts |
| | Z axis | Dia.13mm chrome plate shafts |
| Stepping motor type | | 57 two-phase 3A 150N.cm |

| | |
|---------------------------------|---|
| Spindle motor | brand new 1.5KW water cooling spindle, 24000RPM |
| Principal axis collet | ER11/3.175 mm/6mm |
| Repeat accuracy | 0.05mm |
| Spindle precision | radial beat acuities 0.03 mm |
| Carving Instructions | G code/TAB files/nc file/NCC files/DXF file/GERBER file |
| Communication interface | through parallel and USB connection with computer |
| Software environment | Windows xp/Win7/Win8/Win10 |
| Maximum speed | 0-4000mm/min |
| Carving speed | 0-2500mm/min (different materials differ) |
| Control unit | Toroidal transformer + PWM power supply module + TB6560 3axis drive board |
| Computer connection | parallel port/USB port |
| Command code | G code |
| Acceptable software | Mach3,USBCNC |
| Protection | Emergency stop button |
| Operating Voltage | AC110V/AC220V |
| Machine weight (Package weight) | 3 axis 82KG, 4 axis 85kg |
| package dimension | top□122*86*83 |

Model: CNC6040

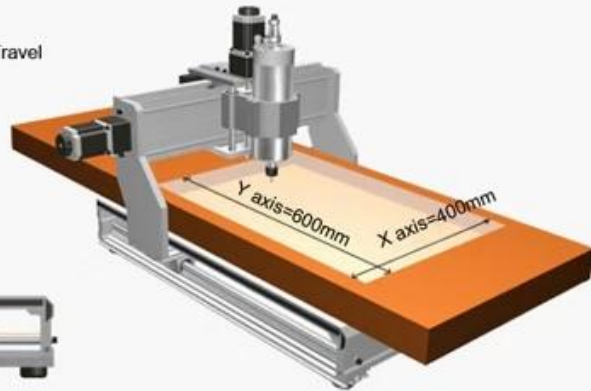
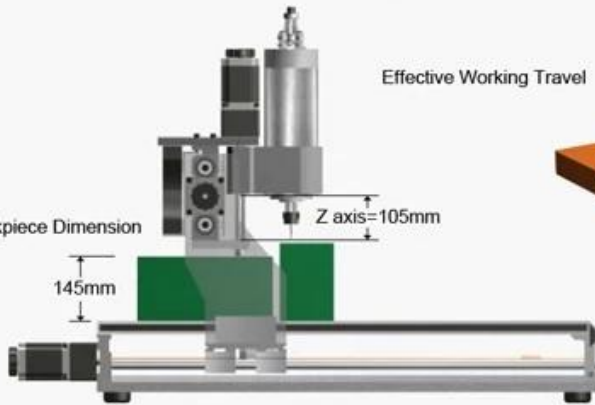
ChinaCzone

Shape Dimension



Effective Working Travel

Max. Workpiece Dimension

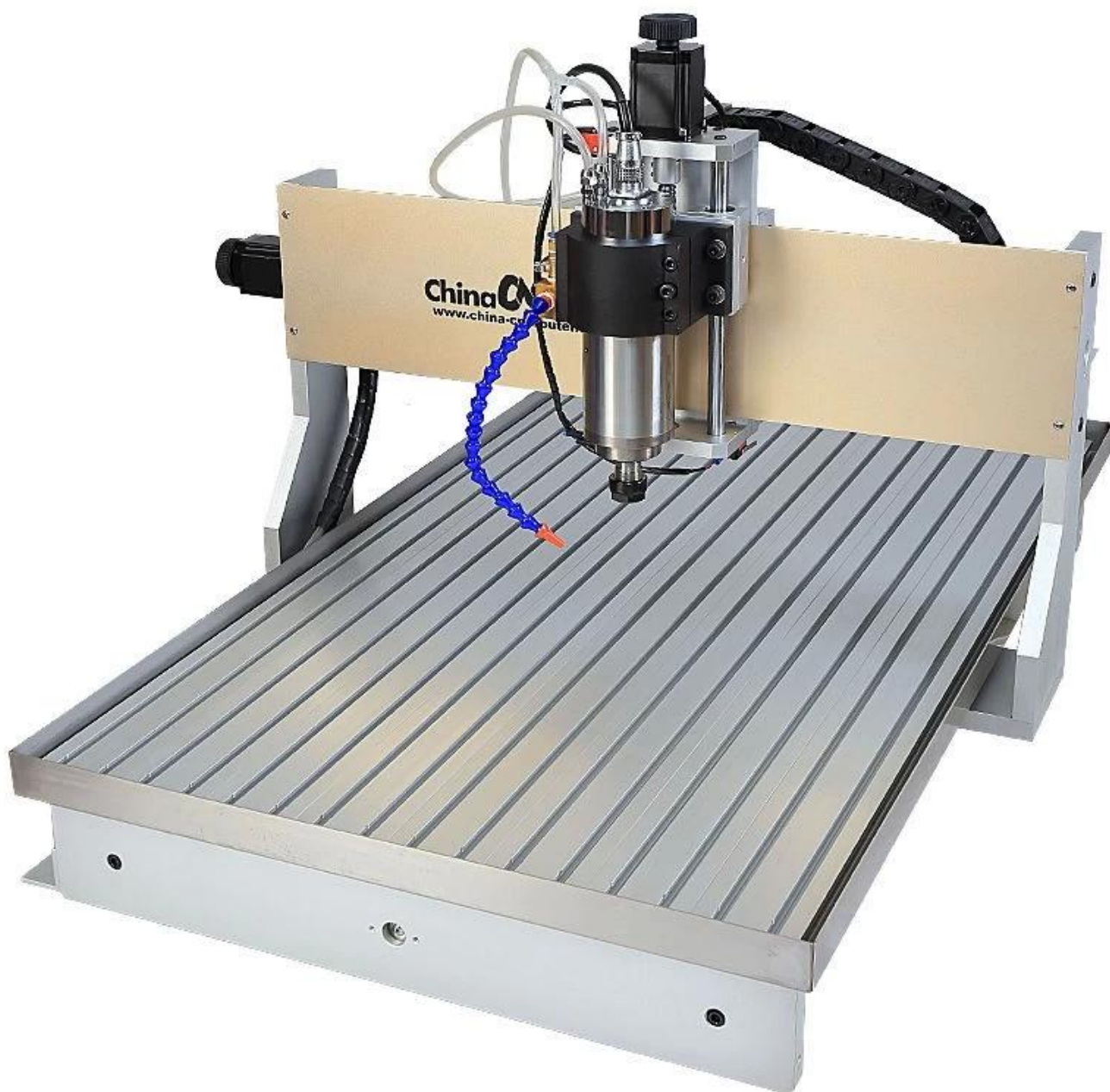




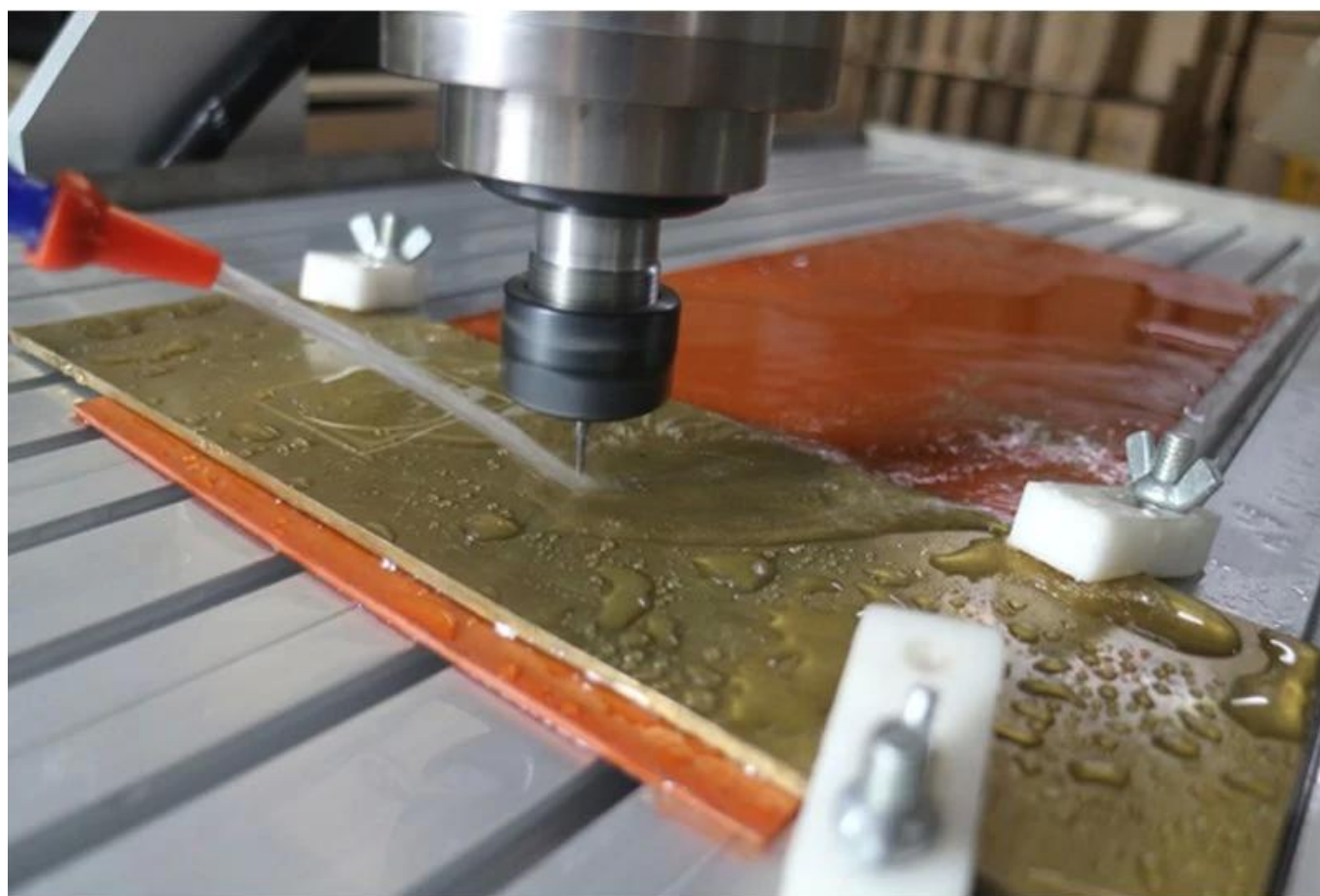










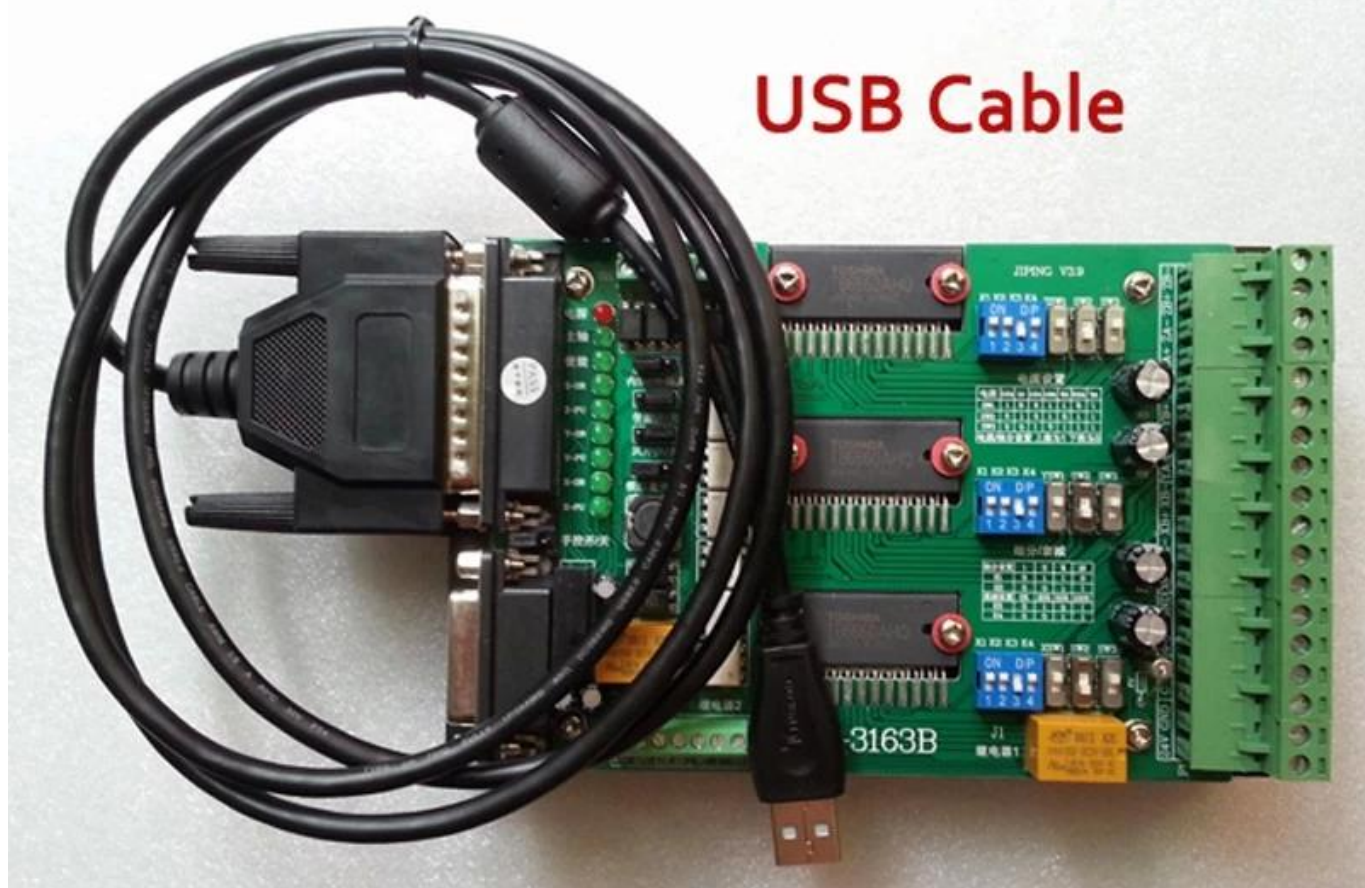




Ball screw high precision



USB Cable



Type 1 controller

Front



Back



parallel port +

USB CNC cable (option)



Type 3 controller

Front



Back

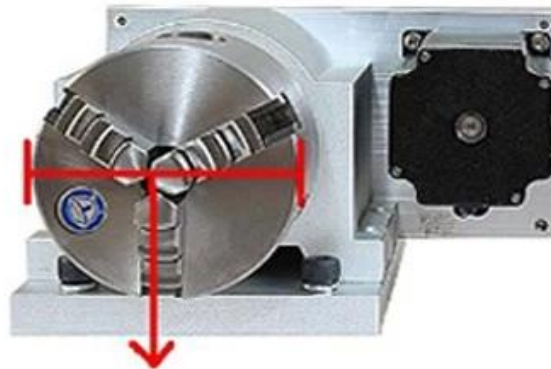


+



Ethernet USB
interface

New Model



80mm



Rotation Axis

04 Applications

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This Mach3 USB CNC 6040 3 Axis 4 Axis Mini CNC Router can be widely used as below:

A. Widely used not only for Aluminum but also acrylic, brass, wood, PVC, PCB and so on.

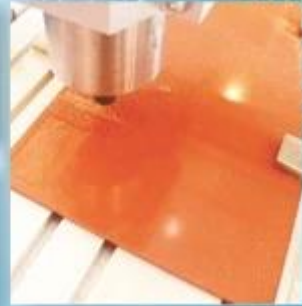
B. Ideal for milling, engraving, drilling & routing.

C. For Industry, Technology Research, Advertising Design, Arts Creation, Teaching, Student Project and Hobby Purposes, Building Model Making, Advertising Signs, Artwork, Crafts, Aircraft Models, RC Model parts



www.chinacnczone.com

Live Demo



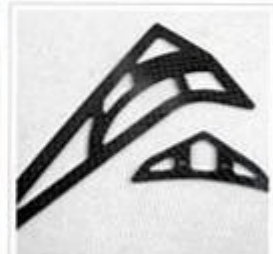
PVC



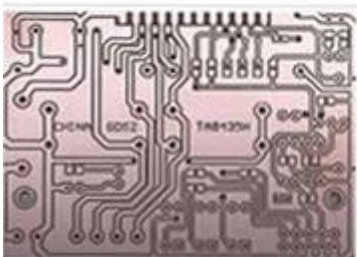
DOUBLE COLOR BOARDS



WOOD



CARBON FIBER REINFORCED
PLASTICS PLATE



PCB



WAX



DOUBLE COLOR BOARDS



EPOXY TOOLING BOARD







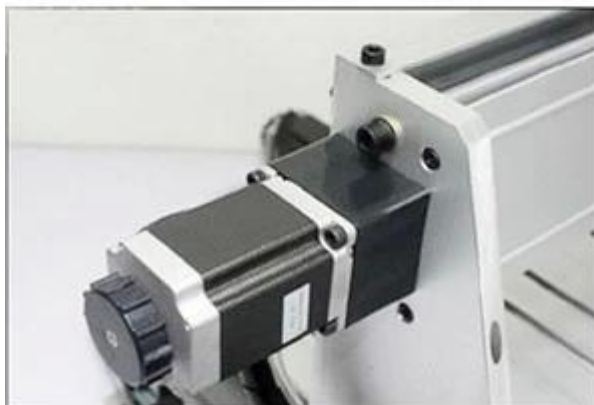
06

Certifications

China **CC** zone

Always be imitated, never be surmounted.

We all use well-designed professional aluminum to manufacture the machine. Almost all of the structural member are extruded by a dedicated mold. The production of large quantities so that we have a strong price competitiveness. Professional mold and materials so that our quality has been stable protection.





ChinaCNCzone, engrave your colorful life!

A collage of 30 photographs arranged in a heart shape on a yellow background. The photos depict various activities of the Student Union, including sports (basketball, badminton, table tennis, table soccer), social events (concerts, parties, group photos), and group photos of the Student Union members and staff. The photos are arranged in a grid-like pattern, with some photos being larger than others, and the entire collage is set against a yellow background with a subtle pattern.

