

Powerful **CNC 6040 4 axis CNC Router mini CNC Machine with USB Controller**

Effective working travel **580(X)mm*400(Y)mm*105(Z)mm**

Shape dimension **880*670*640mm**

Max.workpiece dimension **750mm*450mm<150mm**

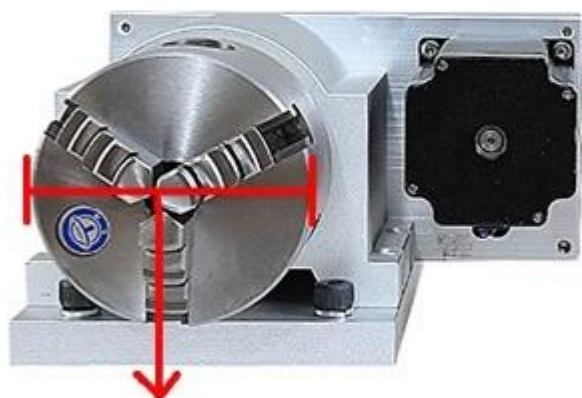
Work table dimension **750mm*480mm**

acceptable material thickness **≤150mm**

Outstanding features as below

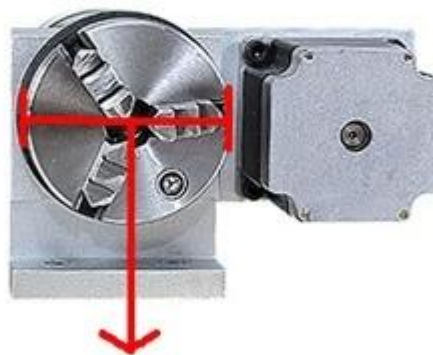
1. **1500w / 2200w Water Cooled Spindle for selection**
2. 4th axis can be Plug-and play, no need to replace controller box.
3. Technical support always available with live video support.
4. Ball screw high precision.
5. Independent power supply for mainboard, prolong using life.
6. **Software: compatible with Mach3 or USB CNC software.**
7. Limited switch added.
8. Auto-Checking function, easy to set origin of Z axis.
9. **The 4th axis is updated, the centre-height is 65mm and clamping diameter is 80mm.**

New Version

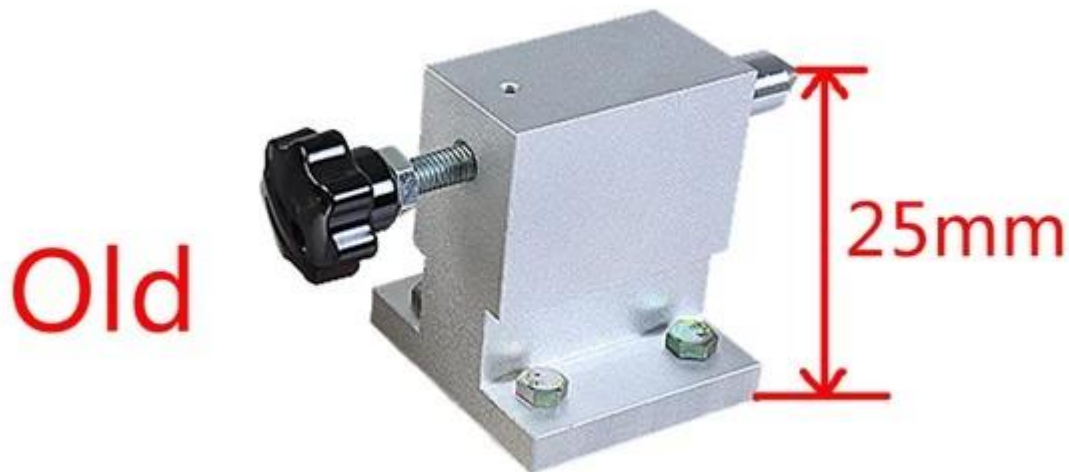


80mm

Old Version



50mm



10. Can be connected with computer and notebook by USB interface parallel port for computer.

11. Can engrave material such acrylic, brass, wood, aluminum, PCB and so on.

12. Spindle diameter: 80mm

13. Can ship from our overseas warehouse.

14. From professional [China CNC router factory](#).

P.S: **Original Mach3 soft available**

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

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

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



02 Parameters China zone

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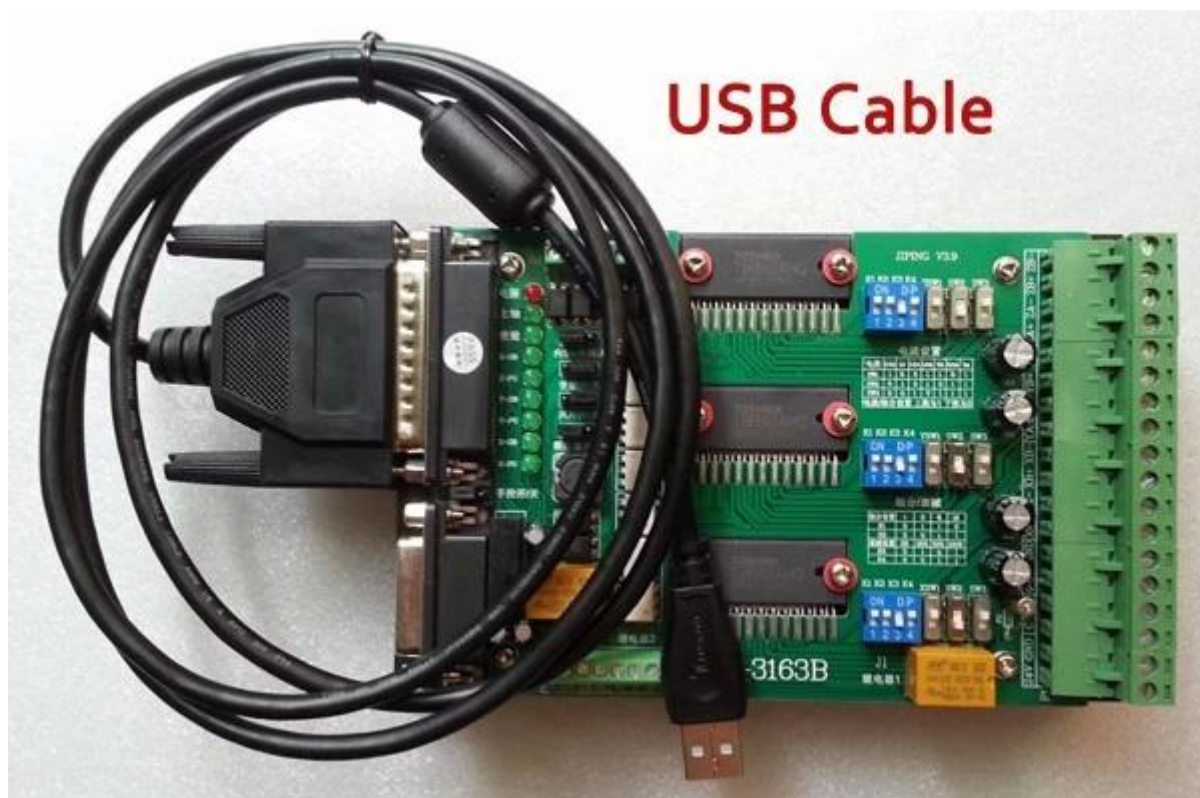
| CNC 6040 4 Axis Parameters | | |
|-------------------------------|--------|---|
| Effective working travel | | 580(X)mm*400(Y)mm*105(Z)mm |
| Shape dimension | | 880*670*640mm |
| Max.workpiece dimension | | 750mm*450mm<150mm |
| Work table dimension | | 750mm*480mm |
| Frame materials | | aluminum alloy 6063 and 6061 the unique and dedicated mold extrusion profiles. let counterfeiters dwarfs |
| acceptable material thickness | | ≤150mm |
| 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 57kg 4 axis 60KG |
| package dimension | top□62*49*52cm Bot:80*22*63cm |
| The 4th axis parameter | |
| size | 220(L)*116(W)*105(H)mm |
| centre-height | 65mm |
| clamping diameter | 80mm |
| reduction ratio | 1:3 |





USB Cable





04 Applications ChinaCNCzone

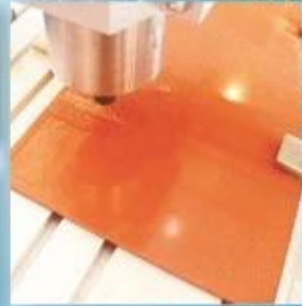
This 4 Axis [CNC 6040 Router](#) Small CNC Machine can be widely used as below:

- 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



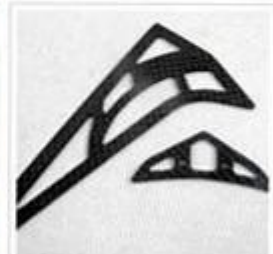
PVC



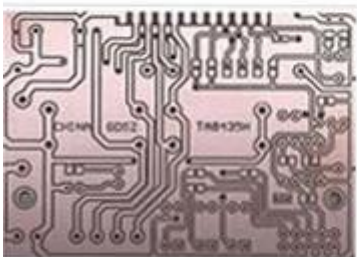
DOUBLE COLOR BOARDS



WOOD



CARBON FIBER REINFORCED
PLASTICS PLATE



PCB



WAX



DOUBLE COLOR BOARDS



EPOXY TOOLING BOARD







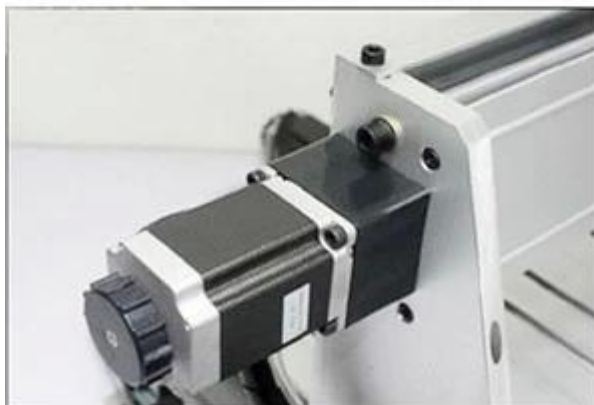
06

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!

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