

01 Product Highlight

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New 6090 [CNC Router 4 Axis](#) with DSP Controller box.

Easy operating because:

- With DSP controller box, no need to connect with any computer or notebook.
- Work independently.
- SD card slot interface
With SD card slot interface.
- 2.2KG water-cooled spindle, powerful!
- Fast working speed.
- Live video support on Youtube.

What are the advantages for the New DSP Control System ?

- Independent DSP system, work without a computer.
- Insert TF memory card, automatic reading and processing files.
- By operating the control box, you can program and carving directly.
- G-code files can be directly edited, delete, insert, and so on

What are the main features for this new 6090 CNC router 4 axis?

- USB interface
- English manual available.
- Original mach 3 software and common mach3 software for selection.
- Can engrave material such acrylic, brass, wood, aluminum, PCB and so on.
- Balls crew made it a higher precision.
- 4th axis can be Plug-and play, no need to replace controller box.
- Auto-Checking function, easy to set origin of Z axis
- With built-in frequency converter in control box
- It has a broaded base and a thicker screw for larger material working.
- Limited switches added.
- From reliable & trustable profesional [China CNC Router](#) manufacturer.

02 Parameters

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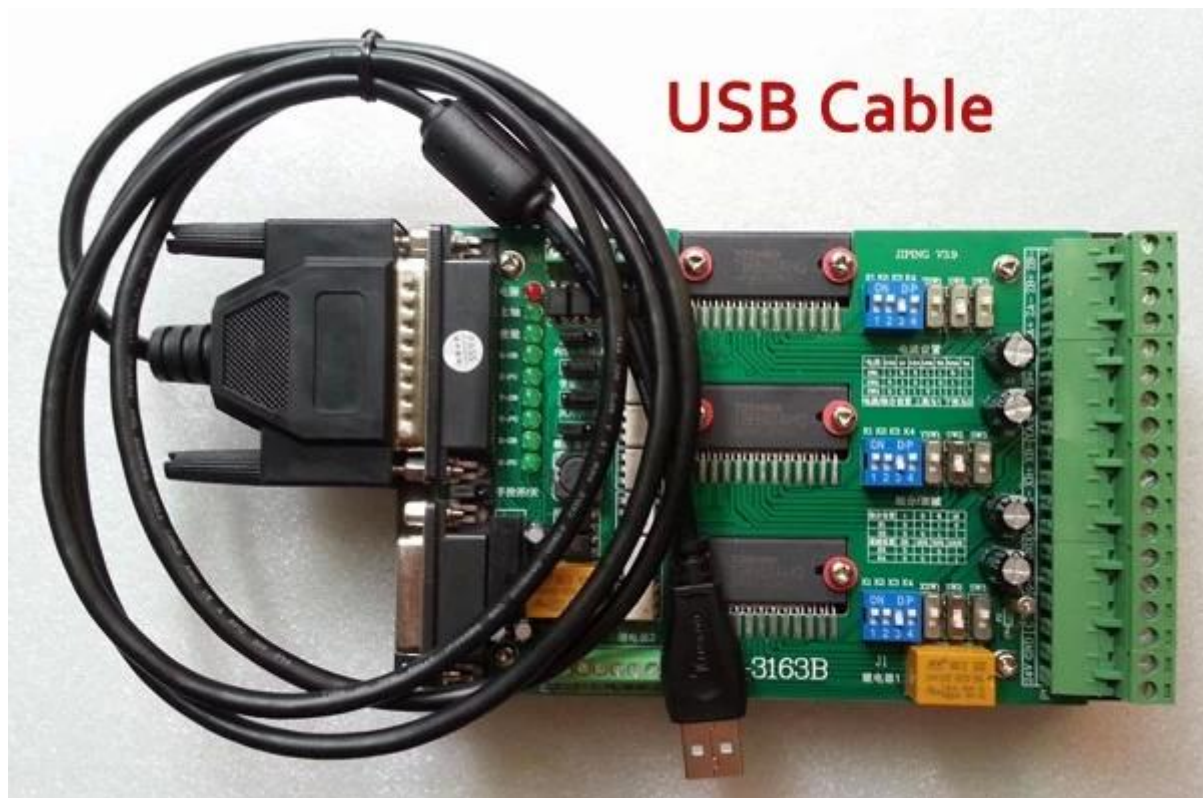
6090 CNC Router 4 Axis parameters

Shape dimension	X890mm*Y1250mm*Z670mm
Max.workpiece dimension	X600mm*Y900mm*Z150mm

Frame materials	aluminum alloy 6063 and 6061 the unique and dedicated mold extrusion profiles. let counterfeiters dwarfs
Acceptable material thickness	≤100mm
Driving units	X: 1605 ball screw
	Y: 2005 ball screw
	Z: 1605 ball screw
Sliding units	X: Dia.30mm chrome plate shafts
	Y: Dia.30mm chrome plate shafts
	Z: Dia.16mm chrome plate shafts
Stepping motor type	57-76 two-phase 3A 150N.cm
Spindle motor	brand new 2.2kw water cooling spindle, 24000RPM
Spindle collet	ER16-A, 3-10 mm shank diameter tool
Repeat accuracy	≤0.05mm
Spindle precision	Radial beat acuities 0.03 mm
Carving Instructions	G code/ TAB files/ nc file/ NCC files
Maximum speed	4000mm/min
Carving speed	0-2500mm/min (different materials differ)
Command code	G code
Protection	Emergency stop button
Operating Voltage	AC110V/AC220V
The 4th axis parameters for 6090 CNC router	
Size	136*116*92 mm
Centre-height	34mm
Clamping diameter	50mm fingertight fitting
Reduction ratio	1:03
Error Range	0.1









6090 CNC Router 4 axis packing



04 Applications

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This new 6090 CNC router 4 axis can be widely used to engrave wood, acrylic, brass, alumimun,PVC, PCB and so on.



05 Factory Tour

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ChinaCNCzone team always welcome customers from all over the world to visit our factory, and let us provide the best different models [mini CNC routers](#) for users together.



QA Inspection Area



Mechanical Assembly Area



Machine Commissioning Area



Finish Products Area

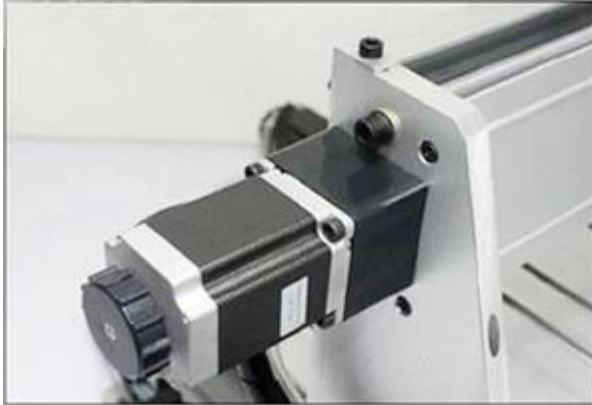


Packaging Area



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!

客户合影及企业文化

