

**New Mach 3 [CNC 6090](#) Router 4 Axis with DSP Controller and Powerful 2200W Spindle.**

Developed and designed together by our technicians and overseas engineers of King Saud University from Saudi Arabia.

The acceptable material thickness can high to 150mm, much bigger than general [mini CNC machine](#) with max 100mm.





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**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 factory.](#)

## 02 Parameters China zone

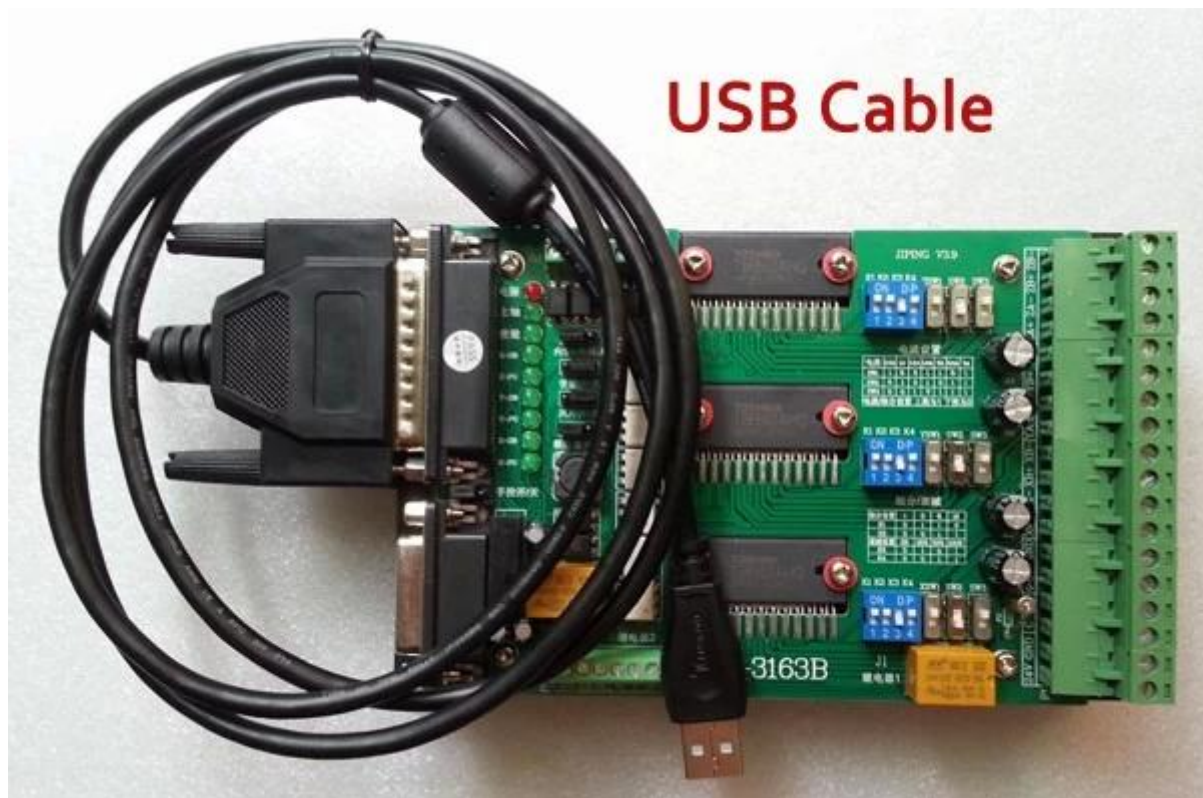
Mach 3 CNC 6090 Router 4 Axis	
Shape dimension	X890mm*Y1250mm*Z670mm
Max.workpiece dimension	X600mm*Y900mm*Z150mm
Frame materials	aluminum alloy 6063 and 6061 the unique and dedicated mold extrusion profiles. let counterfeiters dwarfs
Acceptable material thickness	≤150mm
Driving units	X: 1605 ball screw
	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













**Mach 3 CNC 6090 Router 4 Axis packing**





## 05 Factory Tour

ChinaCNCzone

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**



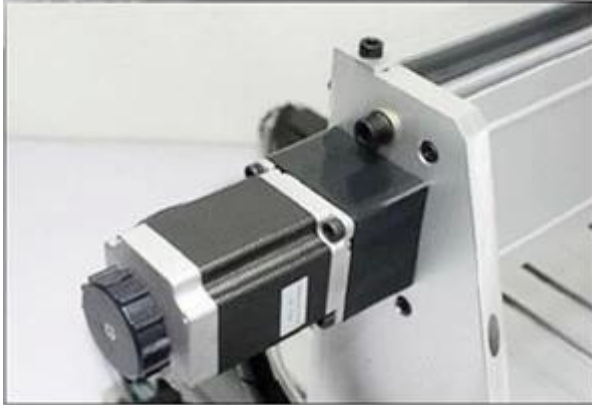
**Packaging Area**





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

