

Powerful [CNC 6090](#) router Gantry [CNC Router 3 Axis](#) with USB CNC Controller and 2200W Spindle

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





A series of horizontal lines for writing, consisting of 18 evenly spaced, light gray lines on a white background.

Easy operating because:

- [Can connect with computer by Parallel Port and Notebook by USB interface.](#)
- Work independently.
- SD card slot interface
With SD card slot interface.
- [2.2KG water-cooled spindle, powerfu!](#)
- Fast working speed.
- Live video support on Youtube.

What are the main features for this CNC6090 Gantry CNC Router 3 Axis?

- USB interface
- English manual available.
- [Original mach 3 software available\(for selection\)](#)
- [Can engrave material such acrylic, brass, wood, aluminum, PCB and so on.](#)
- Balls crew made it a higher precision.
- [It is can be updated into 4 axis 6090 CNC Router](#)
- 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

X890mm*Y1250mm*Z670mm

| CNC6090 Gantry CNC Router 3 Axis parameters | |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Shape dimension | |
| Max.workpiece dimension | X600mm*Y900mm*Z150mm |
| Frame materials | aluminum alloy 6063 and 6061 the unique and dedicated mold extrusion profiles. let counterfeiter 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 |
| Software | Mach 3 or USB software |
| Protection | Emergency stop button |
| Operating Voltage | AC110V/AC220V |

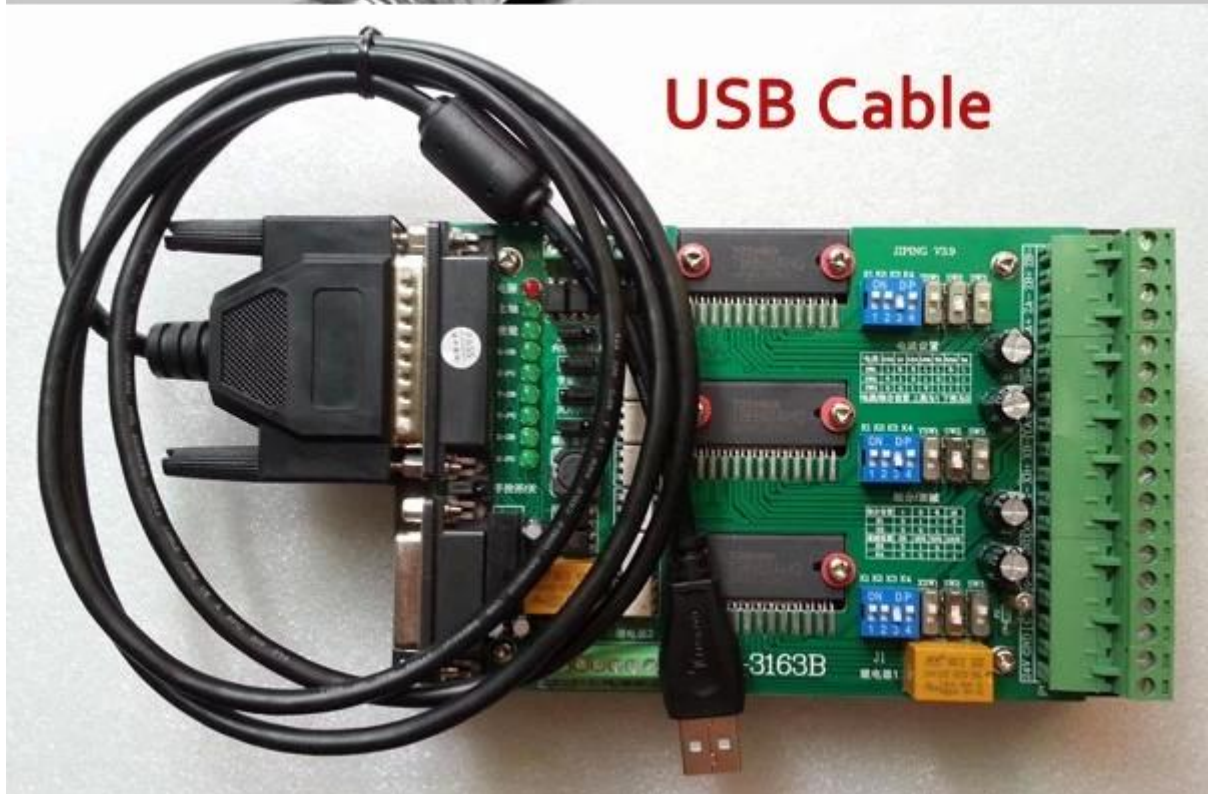
03 *Product Images* 







Ball screw high precision



USB Cable

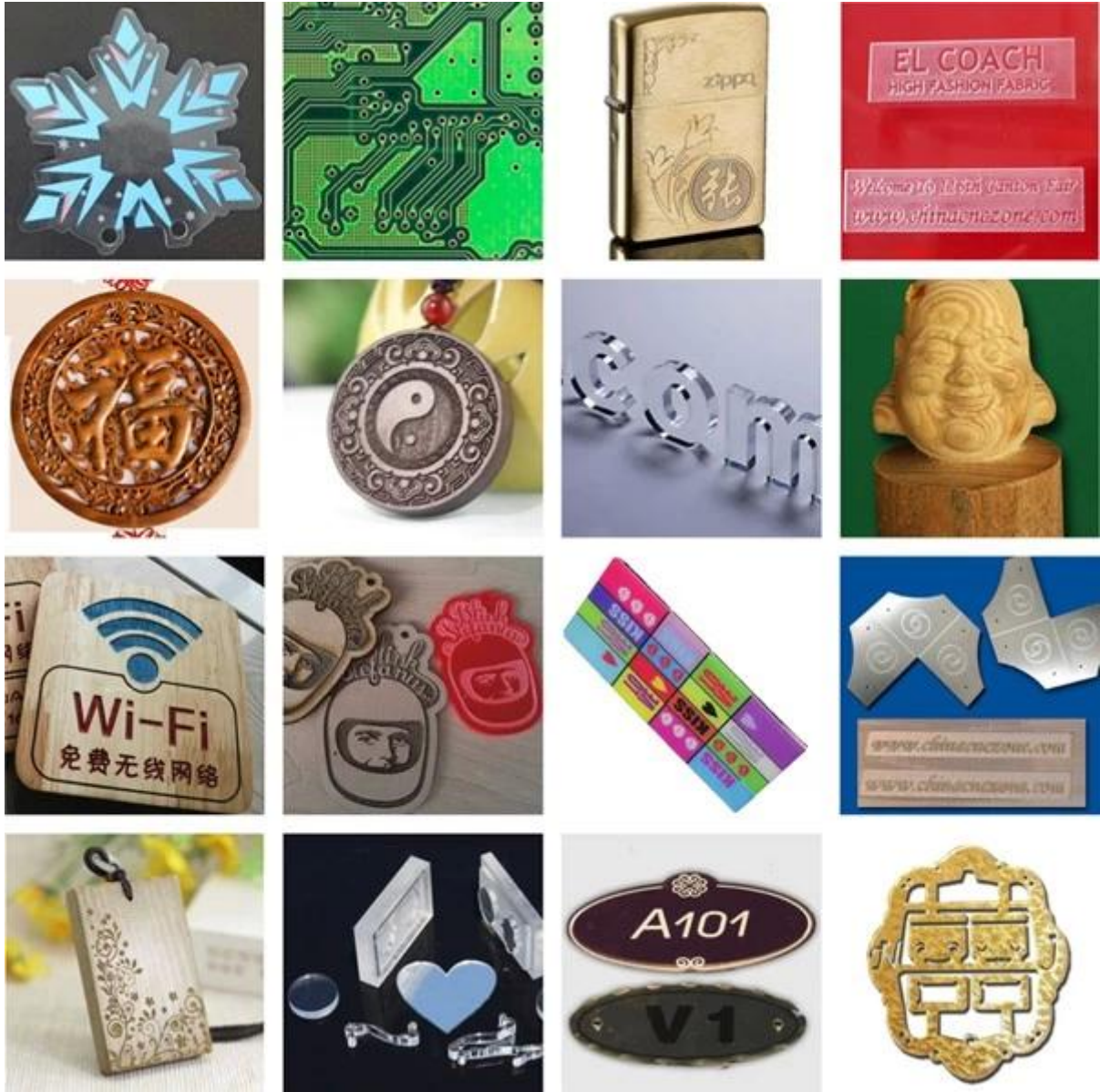
CNC 6090 Mini CNC Engraving Machine 3 Axis



04 Applications

China  zone

This new CNC6090 Gantry CNC Router 3 Axis can be widely used to engrave wood, acrylic, brass, alumimun,PVC, PCB and so on.



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

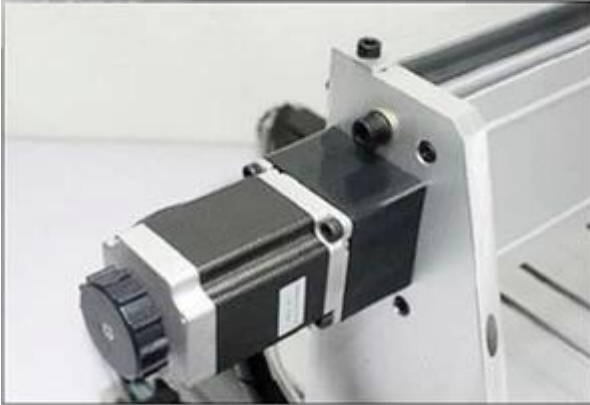


Packaging Area



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.





SHENZHEN SCOTLE TECHNOLOGY GROUP LIMITED

ChinaCNCzone, engrave your colorful life!

客户合影及公司文化 Customers and Company Culture



