

Desktop 6090 Mini CNC Router



SUNNA is a leading China Desktop 6090 Mini CNC Router manufacturer, supplier and exporter. SUNNA Desktop 6090 Mini CNC Router has a small table of 600x900mm. It occupies a small area, is easy to operate, and has the best price. It is especially suitable for hobby users or small shops. The Desktop 6090 Mini CNC Router is recommended for acrylic and wooden advertising, as well as furniture and light crafts. The compact and ergonomic size of the Desktop 6090 Mini CNC Router allows it to be used even in tight spaces, making it an ideal model for shops or small workshops.

SUNNA is a professional China Desktop 6090 Mini CNC Router manufacturer and supplier, if you are looking for the best Desktop 6090 Mini CNC Router that is compact enough to be transported at any time, but sufficient for engraving and cutting on a variety of materials, then the SUNNA desktop 6090 Mini CNC Router is the perfect fit for you.

The most important factors you need to consider before choosing a desktop 6090 Mini CNC Router are:

- 1/ Machine Footprint: This is important if space is a constraint for you.
- 2/ Material Versatility: It is important to consider the types of materials the machine can process.
- 3/ Speed: Consider the stroke and cutting speed of the machine to see if it is fast enough.
- 4/ Other factors such as hardware, drive, design, accuracy, software, customer support, warranty, after-sales support, etc.

Technical Parameters of Desktop 6090 Mini CNC Router

Descriptions	Parameters
Model	SN6090
Working area	600*900*150mm
Accuracy	±0.03mm
Table Surface	Aluminum T-slot Table
Frame	Iron Cast

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XYZ Structure	Taiwan TBI Ball Screw, Taiwan HIWIN Linear Rail
Max. Rapid Travel Rate	45000mm/min
Max. Working Speed	20000mm/min
Spindle Power	1.5kw spindle(2.2kw for option)
Spindle Speed	0-24000RPM
Drive Motors	Leading shine stepper motor and driver(Yako driver for option)
Working Voltage	AC220V/50/60Hz, 1PH (Option: 380V/415V/220V 3phase)
Command Language	G Code
Operating System	MACH 3 (DSP or Nc-studio for option)
Computer Interface	Ethernet/USB interface
Inverter	Inveter/BEST
Software	ARTCAM

Details Images of Desktop 6090 Mini CNC Router

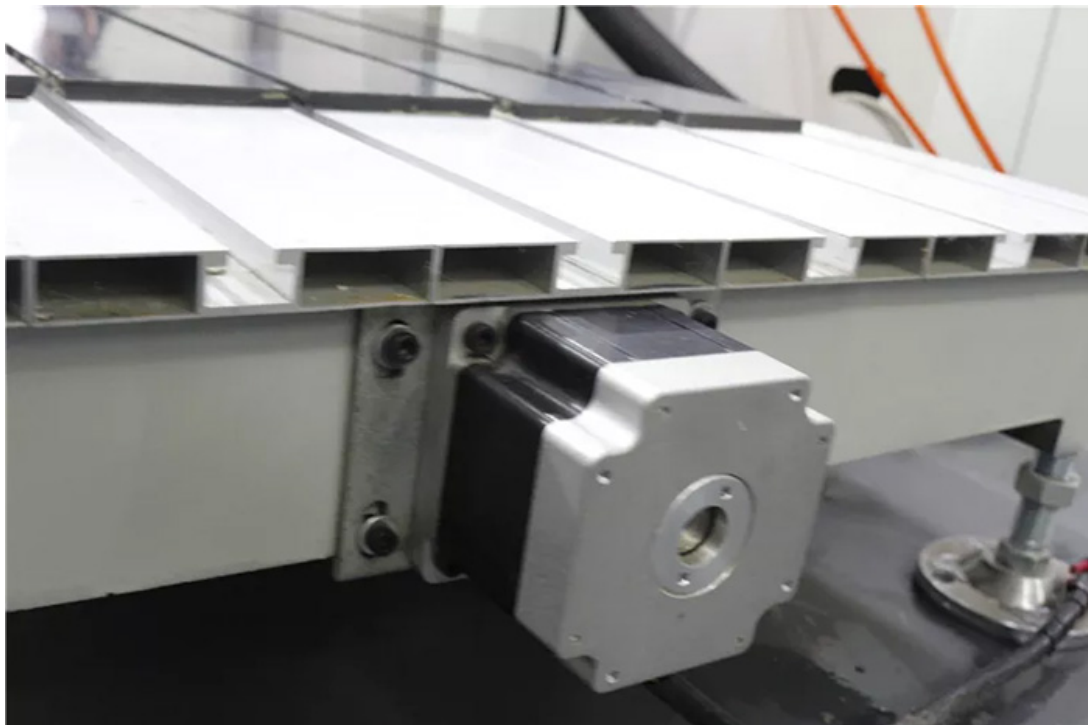
1/ High frequency spindle

The CNC milling machine is equipped with a 1.5kw high frequency spindle as standard. This precision spindle requires no maintenance and uses an industry standard ER chuck. Fully programmable speed from 6000 to 24000 RPM.



2/ Drive Motors

The CNC Router utilizes brushless micro-stepper motors. These motors require no regular maintenance, therefore reducing any maintenance downtime.



3/ TBI ball screw drive

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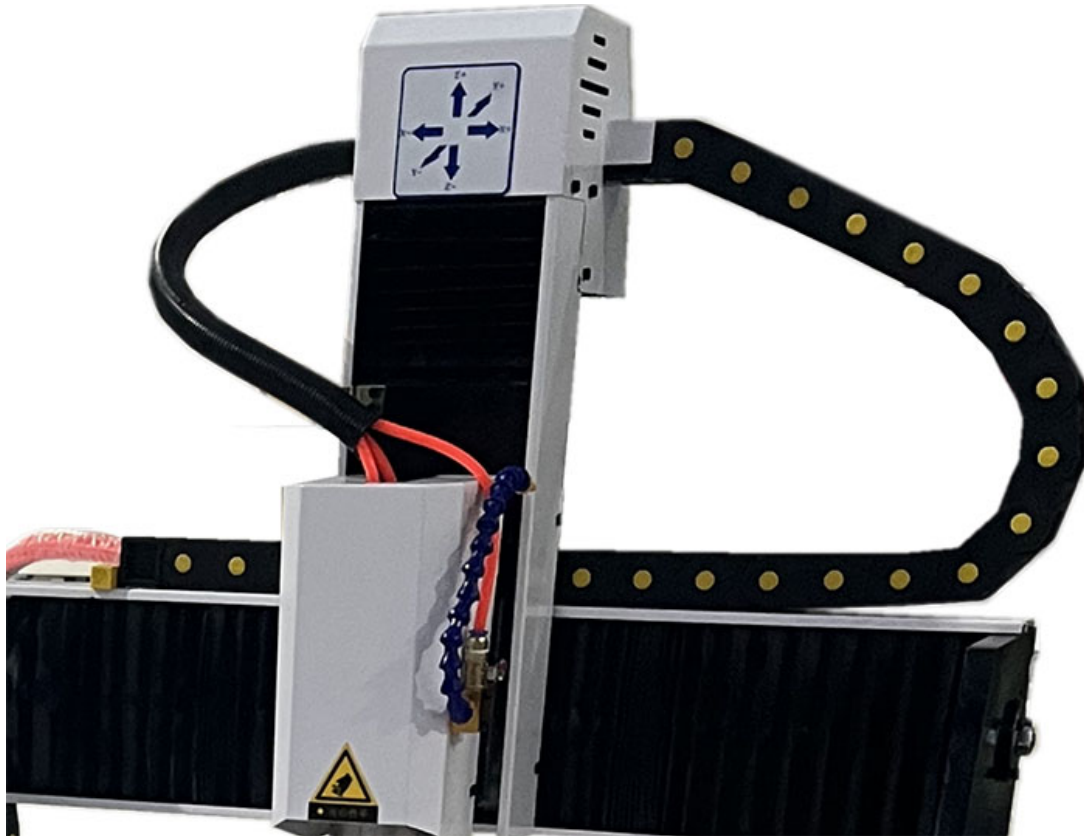
E-mail: sales@sunnaintl.com

The machine adopts Taiwan Hiwin square rail, which is more than twice as durable. And the use of high-quality ball screws makes it highly accurate.



4/ Guide chain

Wear resistance, high temperature resistance and no deformation. Flexible disassembly and assembly, long service life.



5/ Inverter

High-quality inverter, three-year warranty. With overcurrent and overload protection function, the machine runs more stable.

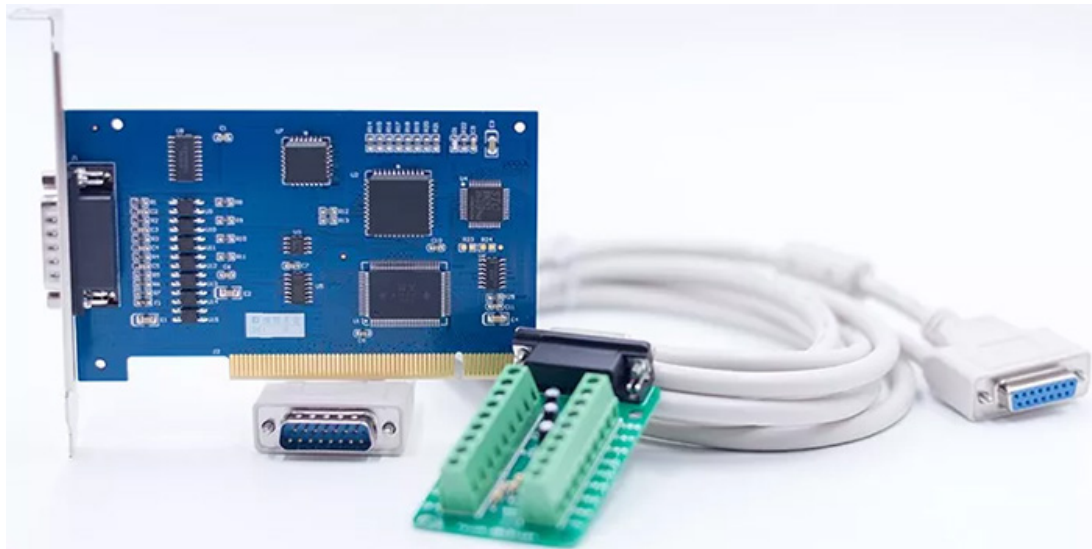


6/ X Y Z Axis Hiwin square rail

The machine adopts Taiwan Hiwin square rail, which is more than twice durable. And the use of high quality ballscrew, makes it high precision.



7/ Control system
NC Studio Control Card



Application industry and materials of desktop 6090 Mini CNC Router

This mini CNC router machine is our new design, are made for the advertising industry and hobby uses.

Signage and advertising (indoor and outdoor signage, carvings and bas-reliefs, 3D letters, funerals)

Relief and 3D carving and cylinder projects.

Plastics and composites (ACP, ACM, solid surface materials, etc.)

Nonferrous metals and oceans

Applied materials

Wood: Plywood, cork, hardwood, MDF, Particleboard

Plastics: acrylic, ABS, HDPE, PVC, UHMW, HDPE

Stone: granite, marble, SLATE, basalt, cobblestone, natural stone, ceramics, porcelain

Soft metals: Aluminum, brass, copper, mild steel

Composite material: aluminum composite material, copper composite material, titanium composite material, zinc composite material.

