

4 Axis Cnc Wood Carving Machine



Buy Hot 4 Axis Cnc Wood Carving Machine made in China. SUNNA is a 4 Axis Cnc Wood Carving Machine manufacturer and supplier in China.1/control system is simple, convenient and easy to learn, users can quickly get the fleclblity to master the use of equipment, strong independence. 2/The frame adopts the gantry column structure, the machine parts are produced and assembled with extremely high precision to ensure the high performance and stability of the machine, excellent quality and tolerance.

1. Product Introduction

4-axis woodworking cnc router, in which the A-axis has an oscillating head, and the other 3 axes are the same as ordinary 3-axis cnc router. The A-axis can swing to 180 degrees which makes the machine can process 3D and 4D objects

4 axis CNC Wood Carving Machine is quite good at processing 3D workpieces,which is equipped with a rotating spindle that can swing by 180°. It can engrave 3D patterns and drill holes on side surfaces of wood, MDF, acrylic, foam, rubber, and other materials. For example, 3D letters,signs, reliefs, and sculptures.



2. Product Parameter (Specification)

Model	SN-1325
Working Area	1300*2500*200mm(Table size 4x8 feet) Option: 1300*2500mm; 2100*3000mm; 2100*4000mm;etc
Table structure	T-slot aluminum table
Machine structure	Heavy duty body with quenching treatment
The 4th axis	Cycloidal pinwheel precision reducer,with high transmission accuracy and torsional stiffness can swing from -90 degree to +90 degree
Traveling Positioning Accuracy	±0.03/300mm
Repositioning Accuracy	±0.03mm
Transmission Device	X, Y axis: Precision helical tooth gear transmission; Z axis by ball screw Taiwan 20 linear guide
Travel speed	80m/min

Working speed	0-25m/min
Control system	Taiwan SYNTEC controller/NC-studio
Lubrication system	1.5L automatic lubrication system
Spindle power	6KW Air Cooling Spindle
Spindle speed	0-24000rpm
Inveter Type	7.5KW
Diameter of cutter	φ3.175-φ12.7mm
Command language	HPGL G-code & M Code
Cable	Germany Igus cables with CE, cUL certificate
Working voltage	220V 1PH/3PH 50HZ/60HZ 380V 3PH 50HZ/ 60HZ
Device interface	Standard PCI/USB interface optional
CNC Router Software	Type3/Ucancam/Artcam
Resolution	0.1mm

3. Product Feature and Application

Features and Advantages

This rotational axis allows cuts to be executed on multiple sides of the workpiece without resetting, while a 3-axis router can only perform cuts to one side of the same piece at a time. 4-axis CNC routers are the preferred method for advanced, intricate cutting and carvings like those often seen in woodworking furniture, musical instruments, cabinetry, and more.

More powerful functions. This kind 4 Axis CNC Wood Carving Machine can not only realize the processing of flat work pieces, but also the processing of three-dimensional and irregular projects.

A wider range of applications. This four-axis wood carving machine can be used for processing effects such as hollowing, engraving, cutting, embossing, sewing, and curved

surface on foam, wood, plaster, composite materials, aluminum copper, metal, acrylic, and etc.

Higher safety factor. This type of 4 Axis CNC Router kit has the functions of parameter backup and parameter recovery, which effectively prevents the loss of important parameters.

Intelligent operation. This type has the excellent processing memory function and supports for breakpoint continued carving. For example, if the machine encounters a power outage, it can continue to process and it does not affect working efficiency.

Stronger anti-interference. Every 4 Axis CNC wood carving machine has passed many CE tests, no matter what processing environment the machinery is in, it can complete the ideal processing effect in the best working conditions.

Good software compatibility. Adopting an open software interface, it can be compatible with the processing codes generated by various CAD / CAM design software, such as type3 / Artcam / Castmate / Wentai, to ensure the realization of various design functions.

Higher configuration. Taiwan's new generation control system; Italy imported air-cooled spindle. XYZ three-axis adopts Taiwan's original PMI square rail, The XY axis adopts a domestic well-known high-precision helical rack, Z-axis adopts Taiwan's original TBI ball screw. Automatic lubrication system, independent chassis

Application

4 Axis Wood CNC router machine can realize the processing of three-dimensional work pieces such as Dragon pillar, Buddha statue, Roman column, gourd, and so on. And it can be also widely used in three-dimensional wave board processing, cabinet doors, solid wood doors, craft doors, paint-free doors, screens, craft window processing, shoe polishers, game cabinets, and panels, mahjong tables, computer tables, and panel furniture products' auxiliary processing. Moreover, it can be widely used in casting molds, foam molds, automotive molds, train molds, aviation molds, ship molds, paraffin molds, and more applications



4. SUNNA INTL Service:

The guarantee period of quality shall be 12 months counting from the date on which the commodity arrives at the port of destination.

We are responsible for offering the fittings free of charge during the guarantee period, while it is preferred you send the damaged fittings to us by courier with your charge for our testing, after confirming damage, we will send back the alternative fittings to you. After the guarantee of quality period, the parts required repairing or change, if any, shall be paid.

When you meet some complicated problem and online-support can not solve it, we can offer Door-Visiting Service. If our engineer to assemble or/and maintain or/and adjust the machine is/are required, we shall assist to deal with the visa formality and prepaid traveling expenses and accommodation to us during the business trip and the service period before their dispatch. And you can arrange for the translating person for the

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service engineer during their service period. Or you can send your engineer to China. We will offer long-term technical training to him for free.

5. Training, Commissioning & Start up of SUNNA CNC

Router

We will supply with the machine Operation Manual and Training CD in English version for Installing and operation, including introduction for the composing of equipment, working principle equipment, common knowledge of computer, controlling principle of electronic devices, daily maintenance measures of equipment. Personal demonstration for installation, adjusting and operation of equipment, and the computer. Common malfunction eliminating measures, etc.

We will supply Instruction for simple troubleshooting of the machine when dispatching, which can help you dealing with the common problems happened unluckily. Also, one set of "Instruction Book", "Operation Manual" and "Training Video Disk" for machine/software will be sent to you along with the machine, which could be easily understood and friendly handled by you and your customers.

- 1) Professional sales team and engineer team provide professional technical support
- 2) Online service 24 hours a day, you can contact us by email, Whatsapp, WeChat, phone number, etc.
- 3) MOQ 1 set
- 4) OEM support
- 5) Certificate support: CE