



2016 CATALOG

CNC Router & Laser Machine & CNC Plasma Cutting Machine

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Heavy Duty 4 Axis CNC Router



Size	Working Area(XY)	1600*1800mm, 1500*3000mm or others
	Working Area(Z)	1000mm or others
Accuracy	Positioning Accuracy	0.03mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	Stepper Motor
	Controller	DSP remote controller (NC studio/ Mach 3)
	Interface	USB
Spindle Motor	Output	3kw water cooling, 2400rpm/4.5kw/6kw or others
	Collet	ER20/ER25
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	30m/min
Max Power Consumption		4.2KW(without spindle)
Power Source		380V/3phase, 220V/3phase
Software		UG, AlphaCAM, Type3, Ucamcam
Command Language		G code & PLT

4 Axis CNC Router



ITEM	DESCRIPTION
X Y Z axis working area	1300*2500*500mm, more
C Axis	+/-135°
Table size	1420*3040mm
X Y Z repositioning positioning accuracy	±0.05mm
Table surface	Vacuum combined with T-slot
Frame	Steel tube structure
Drive system X-Y axis	Rack and pinion
Drive system Z axis	Ball screw
Max power consumption	4.2KW (without spindle)
Max working speed	20000mm/min
Spindle speed	0-24000rpm
Working Mode	Servo
Working voltage	AC380V (220V) 3 phase
Command language	G code, M code
Interface	USB, Ethernet
Operating system	Syntec/ Siemens
Software	UG, Alpha Cam, Type3, Ucamcam

5 Axis CNC Router



ITEM	DESCRIPTION
X Y Z axis working area	1220*2440*950mm
Table Size	1320*2540mm
Spindle	10kw HSD Spindle, 1000-24000rpm, liquid cool
Tool Holder	HSK63F
Motor	Yaskawa Servo motor and driver
Moving mode	Table moving
C travelling	±213°
A travelling	±135°
Beam spacing(MM)	4260
Beam Height(MM)	2150
Product fixed form	T Slot Table
Tool magazine	Carrousel tool magazine(8 positions)
X Y Z Travelling Positioning Accuracy	±0.03/300mm
X Y Z Travelling Repositioning Accuracy	±0.05mm
Controller	OSAI/Siemens
Max Rapid Travel Rate	25,000mm/min
Max working speed	15,000mm/min
Z axis	15,000mm/min
Machine size	4260*2150*3300
Total Power(kw)	24KW
Maximum lifting weights	7.5T
Working voltage	AC380V/50Hz
Command language	G code, M code, F/S
Option	MasterCAM, Powermill, AlphaCAM etc. 5 axis software package

Linear Type ATC CNC Router



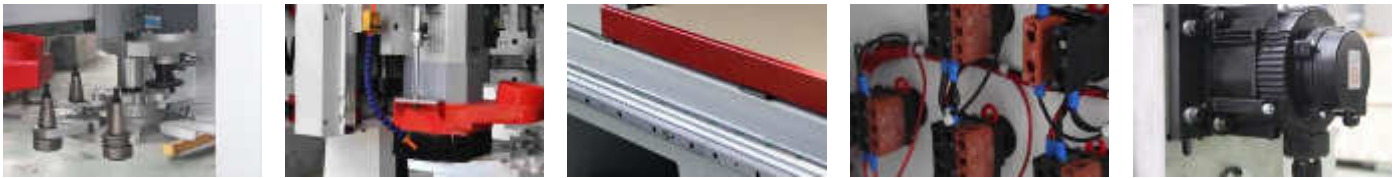
Size	Working Area(XY)	1300*2500mm; 1500*3000mm or more
	Working Area(Z)	300mm or others
Accuracy	Positioning Accuracy	0.02mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	AC Servo Motor
	Controller	Syntec PC platform
	Interface	USB & Ethernet
Spindle Motor	Output	9kw (12HP), 24000RPM
	Collet	ER32 Max 20mm
Tool Change	Automatic tool changer	BT30 ISO30, 8/12/24 positions
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	45m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
Command Language		G and M code

Carrousel Type ATC CNC Router

ATC Woodworking entry-level CNC Routers standard features include a 12 HP HSD high frequency automatic tool changer spindle with an 8 Position tool holder rack (in linear type or rotary carousel type, multi-zone vacuum t-slot table combination, and material placement stops and are manufactured using global state-of-the-art techniques with all steel construction.

Application Materials:

3D Carving, Acrylic Fabrication, Aluminum Fabrication, Architectural Millwork, Cabinetry, Exhibits and Fixtures, Sign making, Arts and Crafts, Furniture, Musical Instruments and more.



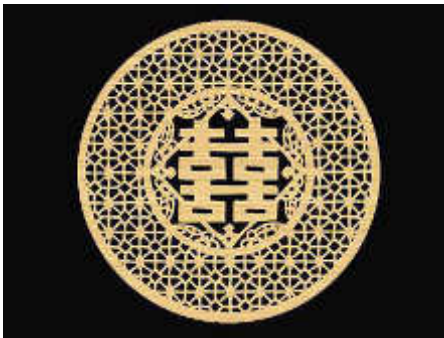
Size	Working Area(XY)	1300*2500mm; 1500*3000mm or more
	Working Area(Z)	300mm or others
Accuracy	Positioning Accuracy	0.02mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	AC Servo Motor
	Controller	Syntec PC platform
	Interface	USB & Ethernet
Spindle Motor	Output	9kw (12HP), 24000RPM
	Collet	ER32 Max 20mm
Tool Change	Automatic tool changer	BT30 ISO30, 8 positions
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	45m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
Command Language		G and M code

High Z Axis CNC Router



Size	Working Area(XY)	1300*2500mm,1500*3000mm or others
	Working Area(Z)	450mm or others
Accuracy	Positioning Accuracy	0.03mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	Stepper Motor
	Controller	DSP remote controller (NC studio/ Mach 3)
	Interface	USB
Spindle Motor	Output	3kw, 4.5kw, 6kw air-cooling or water-cooling
	Collet	ER20/ER25
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	30m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
	ATC	Linear Type or Carrousel Type ATC
	Dust Collecting System	Dust collector + Dust collector hood
Command Language		G code & PLT

Economical CNC Router



Size	Working Area(XY)	1300*2500mm,1500*3000mm or others
	Working Area(Z)	200mm or others
Accuracy	Positioning Accuracy	0.03mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	Stepper Motor
	Controller	DSP remote controller (NC studio/ Mach 3)
	Interface	USB
Spindle Motor	Output	3kw, 4.5kw, 6kw air-cooling or water-cooling
	Collet	ER20/ER25
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	30m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
	ATC	Linear Type or Carrousel Type ATC
	Dust Collecting System	Dust collector + Dust collector hood
Command Language		G code & PLT

CNC Router with 3D Scanner



Size	Working Area(XY)	1300*2500mm,1500*3000mm or others
	Working Area(Z)	200mm or others
Accuracy	Positioning Accuracy	0.03mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	Stepper Motor
	Controller	DSP remote controller (NC studio/ Mach 3)
	Interface	USB
Spindle Motor	Output	3kw HSD 18000rpm or others
	Collet	ER25
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	30m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
	ATC	Linear Type or Carrousel Type ATC
	Dust Collecting System	Dust collector + Dust collector hood
Command Language		G code & PLT

CNC Stone Router

Application Materials:

Artificial stone, Marble, Granite, Ceramic Tile, Tombstone, Milestone, Terrazzo, Limestone, Sandstone, Travertine, Quartzite, Slate, Grindstone, Jade, Crystal, Plexiglas, Aluminum composite panel, Aluminum block, Copper, Wood, MDF, Hardwood, Plywood and so on.

Application Industries:

Suitable for Curb & Paving Stone Forming industries, Stone processing factories, Tombstone processing industries, Advertisement industries for Stone art craft works, Home & Outdoor Product making industries, Architectural decoration industries.

Technical Features:

1. The machine adopted 4.5kw water cooling spindle for quickly stone processing or spindle for fast cutting aluminum sheet.
2. Japan servo motor and driver ensure that with strong power for cutting and engraving various stone.
3. Advanced 3D carve budget and stable broken line enables carving professional speed and precision. Advanced file pretreatment function can correct the error in the files and compatible with the process codes of multiple national and international software.



Size	Working Area(XY)	1300*2500 or others
	Working Area(Z)	320mm or others
Accuracy	Positioning Accuracy	0.05mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	AC Servo Motor or Stepper Motor
	Controller	NC Studio/DSP Handle Controller/Syntec
	Interface	PCIMC/USB
Spindle Motor	Output	4.5kw water cooling, 2400rpm or others
	Collet	Er25
Table Structure	Material Hold Down	Clamp
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	32m/min
Power Source		380V/3phase, 220V/3phase
	Mist Cooling System	Cooling Nozzle and Pump
	Rotary Attachment	Any size Rotary Attachment
Command Language		G code & PLT

4 Axis Linkage CNC Router



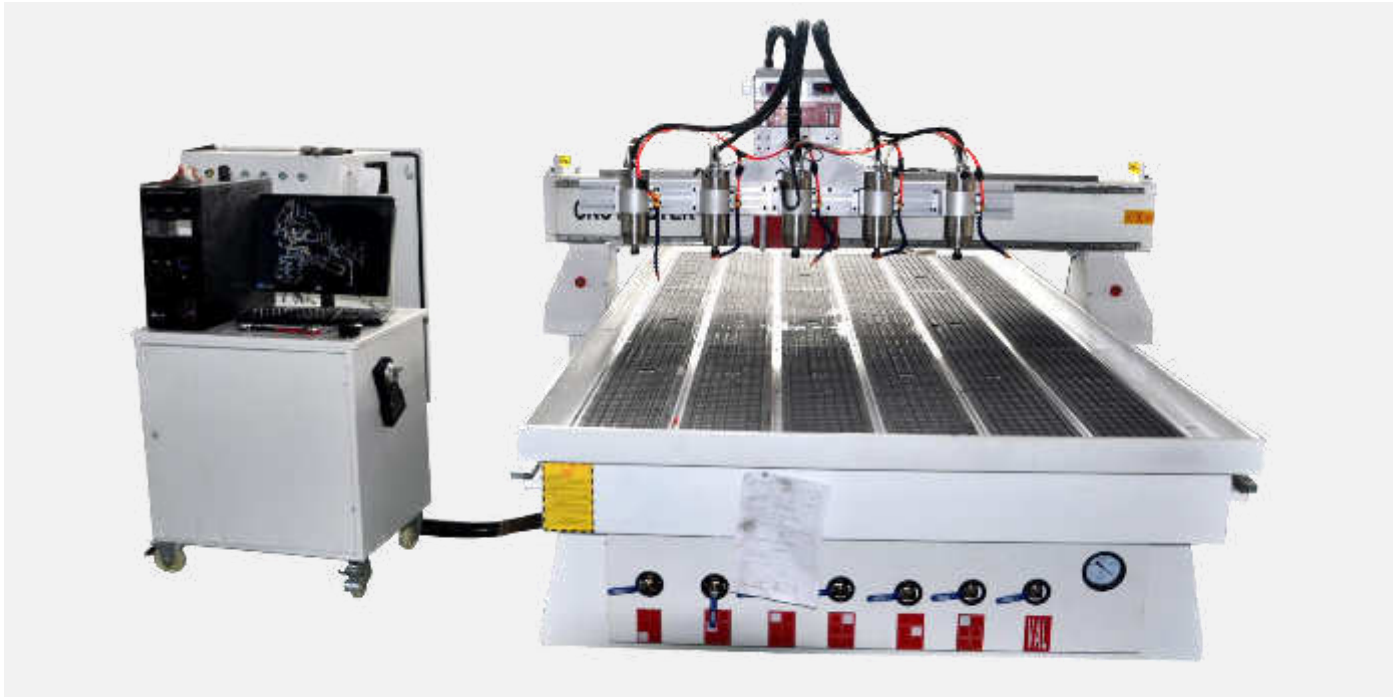
ITEM	DESCRIPTION
X Y-Axis Travel	1200*3000mm
Z-Axis Travel	300mm
Spindle Power	7.5KW air-cooling spindle, 24000rpm
Reposition Accuracy	±0.05mm
Working Speed	20m/min
Max Rapid Travel Speed	40m/min
Drive System X,Y and Z axis	Ballscrew on Z, Rack& Pinion on X,Y, Linear guide on three axis
Motor	Servo Motor
Standard Work Surface	T slot table
Working Voltage	220V, 50Hz/380V, 60Hz, 3 phase
Command Language	G Code, PLT
Collet	ER32
Rotary Device	400mm*30000mm
Controller	DSP; Syntec
Interface	USB

Pneumatic Tool Change CNC Router



Size	Working Area(XY)	1300*2500mm,1500*3000mm or others
	Working Area(Z)	200mm or others
Accuracy	Positioning Accuracy	0.03mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	Stepper Motor
	Controller	DSP remote controller (NC studio/ Mach 3)
	Interface	USB
Spindle Motor	Output	3kw water cooling, 2400rpm/4.5kw/6kw or others
	Collet	ER20/ER25
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	30m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
	ATC	Linear Type or Carrousel Type ATC
	Dust Collecting System	Dust collector + Dust collector hood
Command Language		G code & PLT

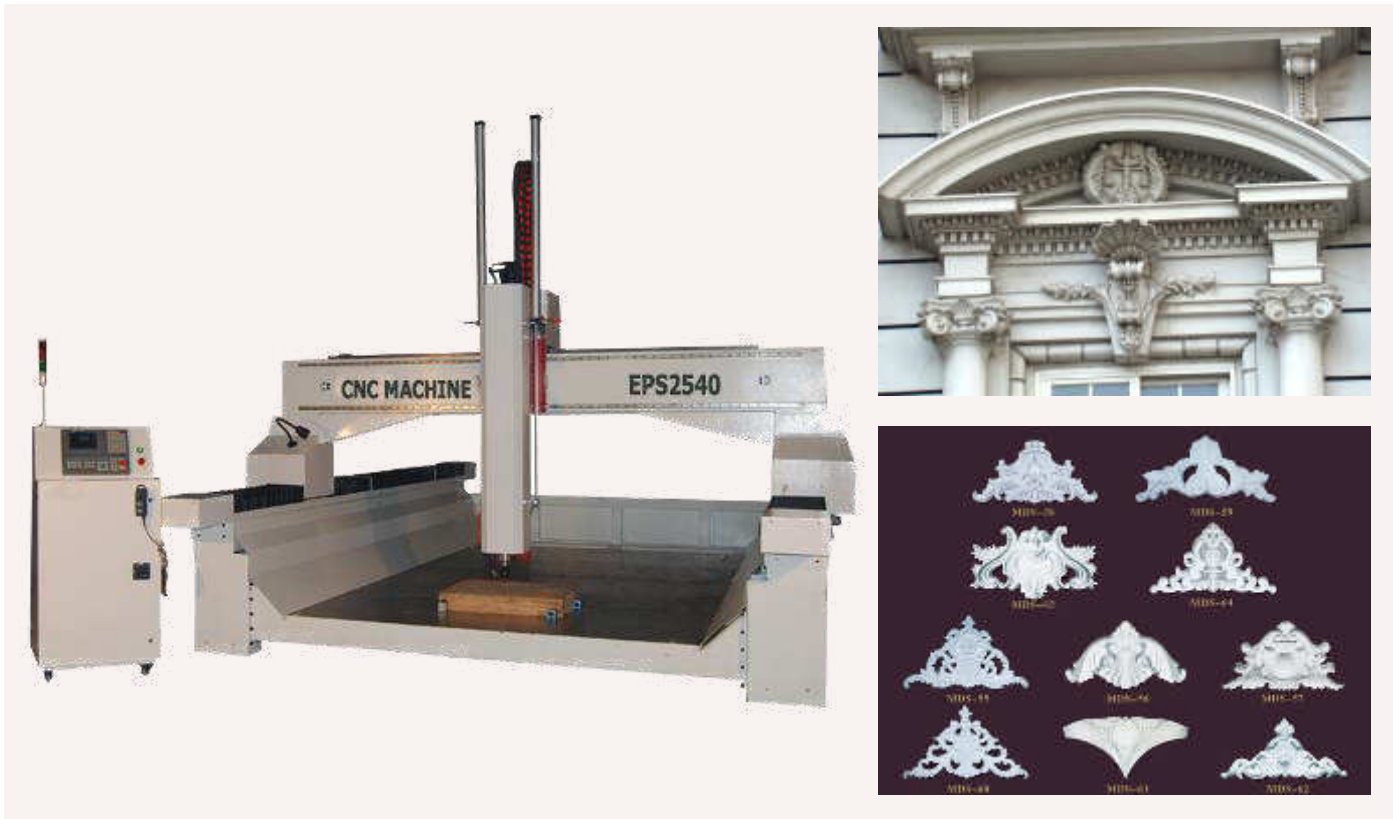
Synchronized Multi-Head CNC Router



Size	Working Area(XY)	1300*2500mm; 1500*3000mm or more
	Working Area(Z)	200mm or others
Accuracy	Positioning Accuracy	0.03mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	Stepper Motor
	Controller	DSP remote controller(Ncstudio/ Mach3)
	Interface	USB
Spindle Motor	Output	3kw, water-cooling, 24000rpm/4.5kw/6kw or others
	Collet	ER20/ER25
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	30m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
	ATC	Linear Type or Carrousel Type ATC
	Dust Collecting System	Dust collector + Dust collector hood
Command Language		G code & PLT

Economical EPS CNC Router

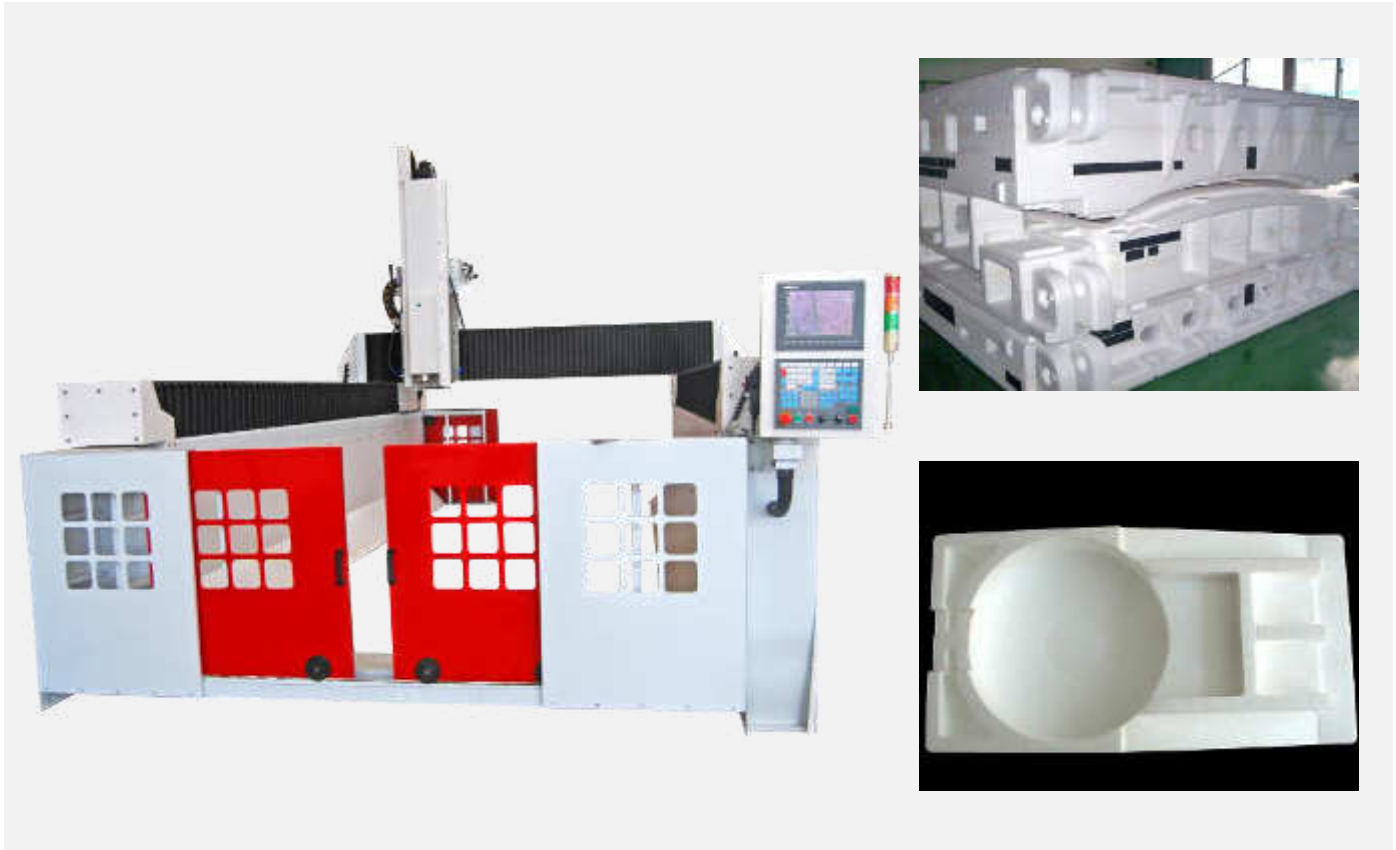
1. Four-row imported ball bearing, widened linear lead rail, self-lubricating block, all these elements caused equal force at all directions while engraving, which ensures the accuracy and strength.
2. Styrofoam cnc router Z axis can be heightened to 700mm-900mm, which is suitable for processing large-scale and super-thick material.
3. Intelligent processing cross-border protection.
4. Diversified control processing speed can be controlled separately, the speed of Idle running and roll setting, greatly improved the quality of processed products and processing efficacy.
5. Die and mold industries:
Sculpture various large non-metallic mold can be particularly suitable automotive foam mold, wooden ship model, wooden model aviation, trains and other wooden mold.
6. Syntec controller: PC Platform Control System; Auto File Saving Function While Power Off Support MPG; Ethernet, USB Support



Size	Working Area(XY)	1500*3000mm,2500*4000mm or others
	Working Area(Z)	900mm or others
Accuracy	Positioning Accuracy	±0.09mm
	Repeatability	+/- 0.02mm
Control Part	3 Axis Control Motor	AC Servo Motor
	Controller	Syntec PC platform
	Interface	Ethernet, CF card, USB
Spindle Motor	Output	9kw (12HP), 24000rpm
	Collet	ER32, Max 20mm
Table Structure	Material Hold Down	Vacuum Combined T slot
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	30m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
Command Language		G and M code

Industrial EPS CNC Router

1. Four-row imported ball bearing, widened linear lead rail, self-lubricating block, all these elements caused equal force at all directions while engraving, which ensures the accuracy and strength.
2. Styrofoam cnc router Z axis can be heightened to 700mm-900mm, which is suitable for processing large-scale and super-thick material.
3. Intelligent processing cross-border protection.
4. Diversified control processing speed can be controlled separately, the speed of idle running and roll setting, greatly improved the quality of processed products and processing efficiency.
5. Die and mold industries:
Sculpture various large non-metallic mold can be particularly suitable automotive foam mold, wooden ship model, wooden model aviation, trains and other wooden mold.
6. Syntec controller: PC Platform Control System; Auto File Saving Function While Power Off Support MPG; Ethernet, USB Support.



Size	Working Area(XY)	2000*4000mm; 2500*5000mm or more
	Working Area(Z)	1000mm or others
Accuracy	Positioning Accuracy	±0.01mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	AC Servo Motor
	Controller	Syntec PC platform
	Interface	Ethernet, USB
Spindle Motor	Output	9kw (12HP), 24000rpm
	Collet	ER32, Max 20mm
Traverse System	Traverse System	Linear Guide on 3 axis, Rack and Pinion on Y, Ball screw on Z
	Max. Traverse Speed	30m/min
Power Source		380V/3phase, 220V/3phase
Optional	Vacuum pump	Watering or free-oil type
Command Language		G and M code

Sign Making CNC Router

Any size of cnc router is acceptable for building. WINWIN would suggest you suitable optional spare parts according to the material you process, such as rotary device for cylindrical material processing, coolant tray for metal and glass processing etc.

These models are with ball screw driving on 3 axis, which could cause higher precision processing result. Machines are building with heavy duty and be used in the industries of woodworking, custom millwork, fixtures, channel letters, sign making, educational, model making, prototyping, solid surface production, aerospace, foam packaging, plastic packaging equipment manufacturers, PCB fabricators, engraving, conveyor manufacturers, artistic carvings, name tags, puzzles etc..



MODEL		WW1224	WW1212	WW0615	WW4040	WW3030
Size	Working Area(XY)mm	1200*2400	1200*1200	600*1500	400*400	300*300
	Working Area(Z)mm	100				50
Accuracy	Positioning Accuracy	0.01				
Control Part	3 Axis Control Motor	Stepper				
	Controller	Ncstudio/DSP remote controller/Mach3				
	Interface	PCI/MC; USB				
Spindle Motor	Output	2.2kw/1.5kw				0.8kw
	Collect	ER11 or ER16				ER11
Table Structure	Material Hold Down	T slot				PVC Table
Travers System	Traverse System	Round Orbit and Ball Screw				
	Max. Traverse Speed	6m/min				
Power Source		220V(110V)/single phase				
Optional	Dust collector	Dust collector				N/A
Command Language		G code				
Software		Type3/Artcam				

Basic Accessories

**France Schneider
Contactor**



**France Schneider Main
Switch**



LanPu Transformer



**Good Quality High-rise
Flexible Wire**



**1.25mol High Precision
Helical Rack Gear**



**High-quality Automatic
Lubrication System**



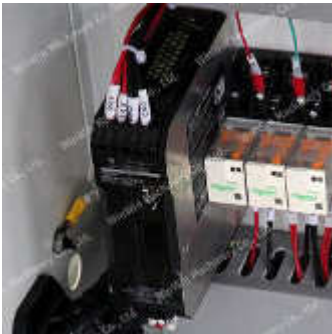
Hard Rubber Limited



High Quality Belt



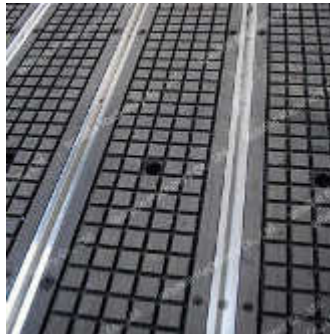
**Japanese Omron 24V
Power Supply**



Protect Fuses



**Vacuum &T-slot
Combined Table**



Tool Box



**Japanese Omron Limit
Sensor**



**Japanese Omron
Power Switch**



**Taiwan Hiwin Square
Rails**



Taiwan TBI Ball Screw



Option

Rotary-Removable Type



Rotary- In the Machine End



Rotary-On the Machine Side



Germany SCHMLAZ Vacuum Beam



Linear Tool Magazine



Carrousel Tool Magazine



Germany Becker



Stainless Steel Water Slot



Chinese Water Cooling Pump



TY Air Cooling Pump



Snail Air Cooling Vacuum Pump



Tool Sensor System



Italian HSD Boring Unit



Mist Cooling System



Water Chiller



Air Compressor



Dust Collector



Hand Wheel



Material Alignment System



Machine Schematic

1. Spindle

1.1 Manual Change Spindle

Italian HSD Air Cooling Spindle



Domestic Air Cooling Spindle



Domestic Water Cooling Spindle



Italian Colombo Air Cooling Spindle



1.2 ATC Spindle

Chinese CS ATC Air Cooling Spindle



Italian HSD ATC Air Cooling Spindle



Chinese ATC Water Cooling Spindle



Italian HSD 5axis ATC Water Cooling Spindle



Italian HSD ATC Water Cooling Spindle



Italian Hiteco ATC Air Cooling Spindle



2. Motor

Fuxing Stepper Motor



Taiwan Delta Servo Motor



Japanese Panasonic Servo Motor



Japanese Yaskawa Servo Motor



Japanese Fanuc Servo Motor



France Siemens Servo Motor



Taiwan Apex Reducer



Japanese Shimpo Reducer



3. Inverter

Fuling Inverter



Taiwan Delta Inverter



Japanese OMRON Inverter



4. Control System

Rich Auto DSP Controller

Ncstudio DSP Controller

Ncstudio Software
Controller

Mach3 Software
Controller



France Siemens
Controller

Taiwan Syntec Controller

Japanese Fanuc
Controller

Italian Osai Controller



Certification





WINWIN MACHINERY CO., LTD.

Email: info@2winmachinery.com

Tel.: (86) 531 8580 2660

Address: Rm. 402, No. 170, Jiluo Lu, Tianqiao District,
Jinan, Shandong Province, China