



2016 CATALOG

CNC Router & Laser Machine & CNC Plasma Cutting Machine

Contents

Heavy Duty 4 Axis CNC Router	2
4 Axis CNC Router	3
5 Axis CNC Router	4
Linear Type ATC CNC Router	5
Carrousel Type ATC CNC Router	6
High Z Axis CNC Router	7
Economical CNC Router	8
CNC Router with 3D Scanner	9
CNC Stone Router	10
4 Axis Linkage CNC Router	11
Pneumatic Tool Change CNC Router	12
Synchronized Multi-Head CNC Router	13
Economical EPS CNC Router	14
Industrial EPS CNC Router	15
Sign Making CNC Router	16
Laser Machine	17
Textile Cutting Laser Machine	18
Laser Die Cutting Machine	19
Marble Engraving Laser Machine	20
Fiber Laser Cutting Machine	21
CNC Plasma Cutting Machine	22
Flame & Plasma Cutting Machine	23
Basic Accessories	24
Option	25
Machine Schematic	26
Certification	28

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	$\pm 213^{\circ}$
A travelling	$\pm 135^{\circ}$
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	$\pm 0.03/300\text{mm}$
X Y Z Travelling Repositioning Accuracy	$\pm 0.05\text{mm}$
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



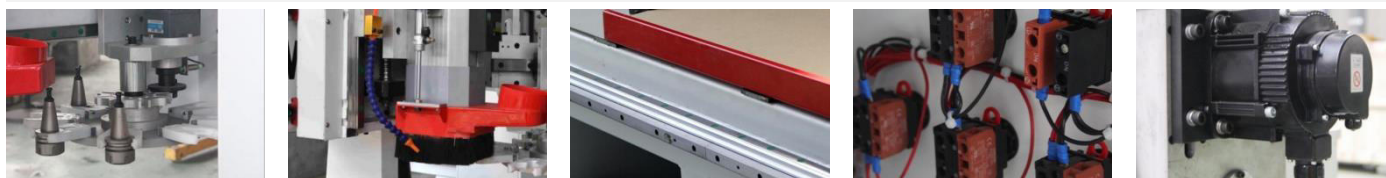
Size	Working Area(XY)	1300*2500mm; 1500*3000mm or more
	Working Area(Z)	300mm or others
Accuracy	Positioning Accuracy	0.02mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	AC Servo Motor
	Controller	Syntec PC platform
	Interface	USB & Ethernet
Spindle Motor	Output	9kw (12HP), 24000RPM
	Collet	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 carrousel 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.



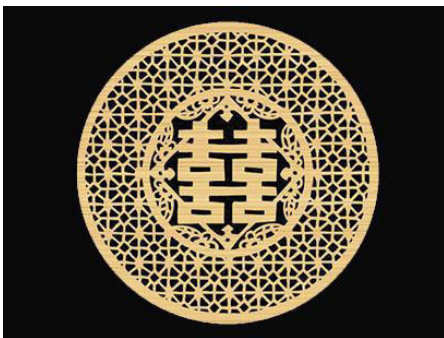
Size	Working Area(XY)	1300*2500mm; 1500*3000mm or more
	Working Area(Z)	300mm or others
Accuracy	Positioning Accuracy	0.02mm
	Repeatability	+/- 0.05mm
Control Part	3 Axis Control Motor	AC Servo Motor
	Controller	Syntec PC platform
	Interface	USB & Ethernet
Spindle Motor	Output	9kw (12HP), 24000RPM
	Collet	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



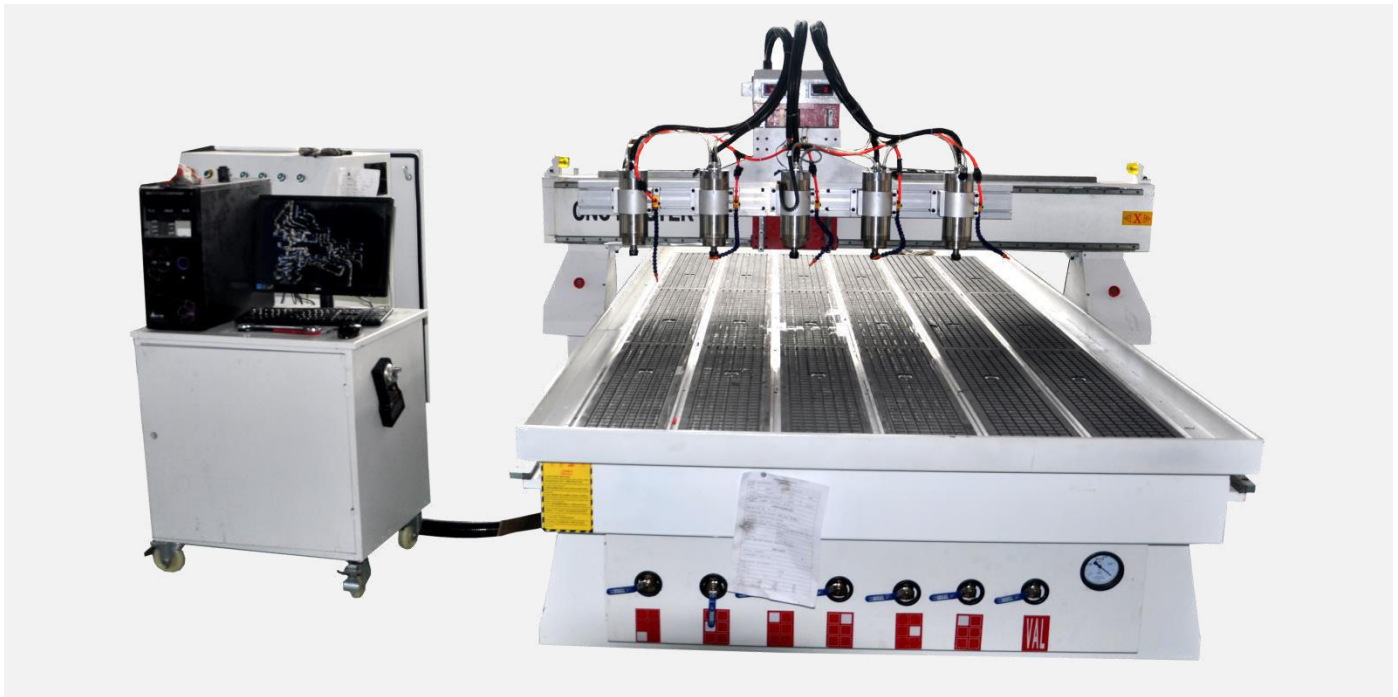
ITEM	DESCRIPTION
X Y-Axis Travel	1200*3000mm
Z-Axis Travel	300mm
Spindle Power	7.5KW air-cooling spindle, 24000rpm
Reposition Accuracy	±0.05mm
Working Speed	20m/min
Max Rapid Travel Speed	40m/min
Drive System X,Y and Z axis	Ballscrew on Z, Rack& Pinion on X,Y, Linear guide on three axis
Motor	Servo Motor
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

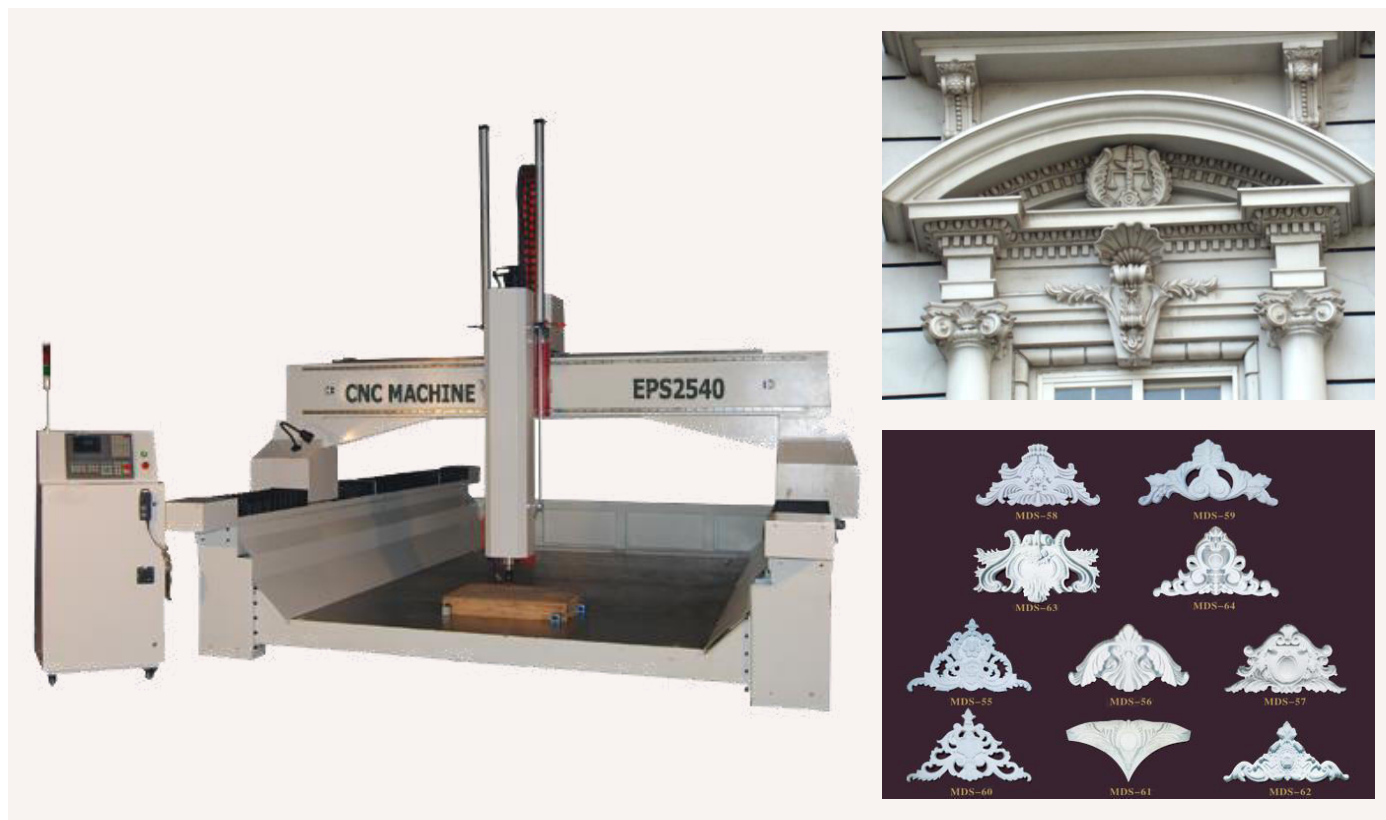
Synchronized Multi-Head CNC Router



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

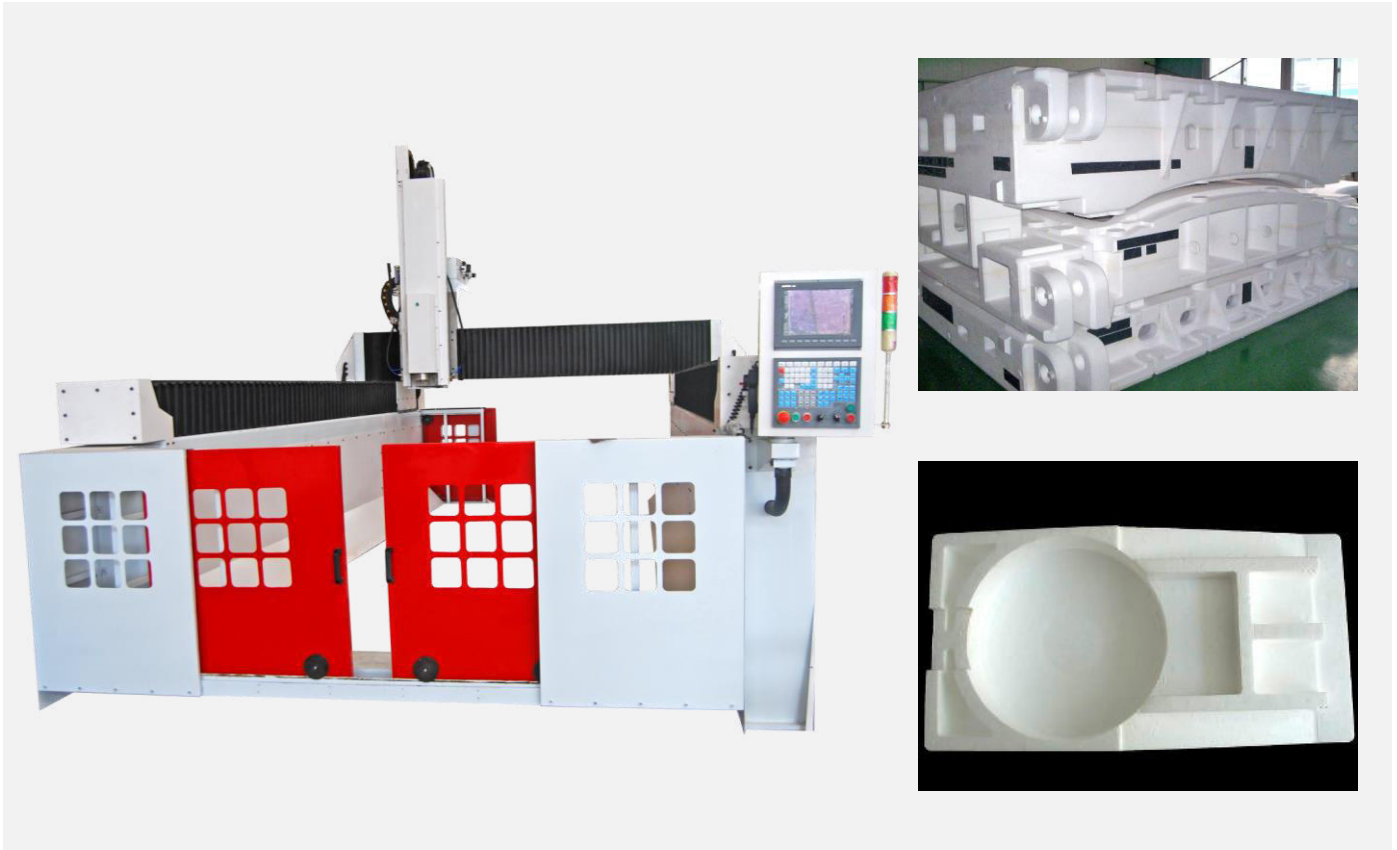
1. Four-row imported ball bearing, widened linear lead rail, self-lubricating block, all these elements caused equal force at all directions while engraving, which ensures the accuracy and strength.
2. Styrofoam cnc router Z axis can be heightened to 700mm-900mm, which is suitable for processing large-scale 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), 240000rpm
	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				

Laser Machine

- ✧ Configure high power and quality laser tube, can work over 3000-8000 hours.
- ✧ U flash Disk Supported: Read files directly from U-flash disk, you can work even without PC!
- ✧ Ted Dot Pointer: Provides a visible means of determining engraving location.
- ✧ Air Assist: Remove heat and combustible gases from the cutting surface.
- ✧ Intuitive Control Panel: Speed, power, and more controls directly from the laser.
- ✧ Raster/Vector Color Mapping: Change your engraving speeds and power by using color settings.
- ✧ With function of restoring from power off, continuation function from break point.
- ✧ Transmit files directly from Corel draw and Auto CAD, Photoshop, Tajima directly.
- ✧ The front doors and side pass through doors open to allow large pieces of work to be put into the machine.
- ✧ The Z axis can be lowered to accommodate objects as large as 24" high and can accommodate our optional rotary engraver.
- ✧ Rotary attachment for engraving bottles and round objects is available as an option.



Size	Working Area(XY)mm	1300*1800	1300*900	600*900	400*600
Speed	Engraving speed	1-1500mm/s			
	Cutting speed	1-800mm/s			
Precision	Resolution ratio	<0.01mm			
	Location precision	<0.01mm			
Water Cooling		Water-cooling chiller			
Control Part	3 Axis Control Motor	Stepper or AC Servo Motor			
	Controller	WINWIN Laser Controller			
	Interface	USB			
Laser Power	Output	80W, 100W, 130W			
Table Structure		Blade and honeycomb			
Up-down Range	Working Table Moving	500mm			
Min shaping text		English 1mm*1mm			
Power Source		220V, 50Hz / 110V, 60Hz			
Optional		Fume Extraction Device			
Graphic Format		*.plt, *.dst, *.dxf, *.bmp, *.dwg, *.ai, *.las			

Textile Cutting Laser Machine

This laser machine is designed for the industry of textile, costume, leather for cutting, decoration etc.

Moving table driven by big power motor to move cloth after cutting completed on working table. Fitting with the rolling shaft, you lift the cloth to the shaft, then fix start part of cloth to working table, then could start cutting easily.



Size	Working Area(XY)	1600*1000mm,1300*2500mm or others
Speed	Engraving speed	1-60000mm/min
	Cutting speed	1-10000mm/min
Precision	Resolution ratio	<0.01mm
	Location precision	<0.01mm
Water cooling		Water-cooling chiller with air compressor
Control Part	3 Axis Control Motor	Stepper or AC Servo Motor
	Controller	WINWIN Laser Controller
	Interface	USD
Laser Power	Output	100W, 150W, 200W
Table Structure		Textile cutting suited table
Min shaping text		English 1mm*1mm
Power Source		220V, 50Hz/ 110V, 60Hz
Graphic Format		*.plt, *.dst, *.dxf, *.bmp, *.dwg, *.ai, *.las

Laser Die Cutting Machine

- ✧ Adopt advanced DSP digital control system, international standard laser power supply, integrated framework style, high stability; high-speed usb2.0 interface output can support offline working.
- ✧ Transmit files directly from Corel draw, AutoCAD, Photo Shop.
- ✧ Optimization of mechanical and electrical design, processing speed can be up to 1000m/s, low noise.
- ✧ Big power and high stability laser tube, could work over 8000-10000 hours, imported lens and mirror, long life-span, one step cutting can reach 30mm thickness on acrylic.
- ✧ Red Dot Pointer: Provides a visible means of determining engraving location.
- ✧ Air Assist: Remove heat and combustible gases from the cutting surface.
- ✧ Intuitive Control Panel: Speed, power, and more controls directly from the laser.
- ✧ Raster/Vector Color Mapping: Change your engraving speeds and power by using color settings.
- ✧ Waste Collecting Drawer Design, saving your time of cleaning laser machine.



Size	Working Area(XY)mm	1300*2500mm, 1600*2600mm or more
Speed	Engraving speed	1-60000mm/min
	Cutting speed	1-10000mm/min
Precision	Resolution ratio	<0.01mm
	Location precision	<0.01mm
Cutting Thickness	Max	30mm Acrylic
Water cooling		Water-cooling chiller with air compressor
Control Part	3 Axis Control Motor	AC Stepper or Servo Motor
	Controller	WINWIN Laser Controller
	Interface	USB
Laser Power	Output	100W, 150W, 200W
Table Structure		T Blade and honeycomb
Min shaping text		English 1mm*1mm
Power Source		220V, 50Hz / 110V, 60Hz
Optional		Fume Extraction Device
Graphic Format		*.plt, *.dst, *.dxf, *.bmp, *.dwg, *.ai, *.las

Marble Engraving Laser Machine

This laser machine is designed for the stone engraving, could used for marble logo, imagine carving, tomb etc.

The table is with roll shaft, this design could assist you to lift the marble easily to working table and not damage the table



Size	Working Area(XY)	1300*2600mm,1600*2600mm or others
Speed	Engraving speed	1-60000mm/min
	Cutting speed	1-10000mm/min
Precision	Resolution ratio	<0.01mm
	Location precision	<0.01mm
Water cooling		Water-cooling chiller with air compressor
Control Part	3 Axis Control Motor	Stepper or AC Servo Motor
	Controller	WINWIN Laser Controller
	Interface	USB
Laser Power	Output	100W, 80W
Table Structure		Roll shaft
Min shaping text		English 1mm*1mm
Power Source		220V, 50Hz/ 110V, 60Hz
Graphic Format		*.plt, *.dst, *.dxf, *.bmp, *.dwg, *.ai, *.las

Fiber Laser Cutting Machine

Applicable Field

Widely used for metal sheet processing, advertising trademark, advertising character, high/low voltage electrical cabinet, mechanism parts, kitchenware, cars, mechanical, metal craftwork, saw blade, electronic parts, eyeglasses, spring, circuit board, kettle, medical microelectronics, hard ware, knives tool, measurement, instrument, etc.

Applicable Material

Stainless steel, carbon steel, alloy steel, spring steel, aluminum, aluminum alloy, galvanized sheet, cincalumzalutite, pickling plate, copper, silver, gold, titanium and other metal sheet, pipes and tubes.



ITEM	DESCRIPTION
Working Area	1300*2600mm
Laser Power	300W/500W/1000W(option IPG)
Laser Wave Length	1064nm
Working Table	Sawtooth
Maximum Idle Running Speed	80m/min
Position Accuracy	±0.05mm/m
Position Speed	20m/min
Minimum Line Width	±0.01mm
Cutting Thickness	≤6mm
Control System	Professional laser control system-BOCHU
Position Type	Red dot
Power Consumption	≤12KW
Working Voltage	AC 380V/50Hz
Auxiliary Gas	Oxygen, nitrogen, air
Dimension	3850*2450*1800mm

CNC Plasma Cutting Machine

CNC plasma cutting machine could cut even, the shape of wave or other uneven shapes and steep pipe such cylindrical metal.

Capacitance height control

The advanced height linear calibration technology makes the cutting nozzle and cutting board be within 3 ~ 30mm in the automatic height controlling in the capacitance mode;

Simple and convenient linearization calibration

The function of "One key for height calibration" guarantees that in any circumstances, the user only needs to press a key, he can calibrate the absolute height measurement and achieve a linear height measurement.



Size	Working Area(XY)	1300*2500mm,1500*3000mm or others
Accuracy	Positioning Accuracy	0.02mm
	Repeatability	+/-0.3mm
Control Part	3 Axis Control Motor	Stepper or AC Servo Motor
	Controller	Start Sharpton & Torch height controller
	Interface	USB
Plasma Power		60A, 100A, 120A, 200A etc
Table Structure		Plasma table
Traverse System	Traverse System	Linear Guide & Rack & Pinion on XY
	Max. Traverse Speed	30m/min
Power Source		380V/3phase. 220V/3phase
Command Language		G code

Flame & Plasma Cutting Machine

The gantry design for optimum performance in a wide range of processes includes flame as well as plasma cutting. WINWIN provides choice and options that allow you to configure a gantry system with capacity and options you need for your applications.

It combines powerful performance with multiple torch carriage flexibility to deliver high productivity of ultra-accurate shapes such as circles, rectangles, stars, hexagons or any shape your creativity can conquer.

The Gas Control System is designed for efficient and safe gas control.

The preheat control is provided as standard. Cutting flame vent-of valve is provided for safety.

Plasma cutting possible .The machine is plasma ready. Various plasma equipment options are available for individual needs. The machine can also be supplied with Arc Voltage Height Controller.



ITEM	DESCRIPTION
Working Size	1300*2500mm or more
Traverse Speed	8000mm/min
Control System	Starfire
Drive System	Rack and Pinion
Drives	Dual Drive Stepper or AC Servo
Material Thickness of Flame	5mm to 70mm
Material Thickness Plasma	0.5mm to 10mm (also 12mm, 15mm, 20mm)
Plasma Compatibility	Yes
Power Input	380V 50Hz or 220V 60Hz

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**



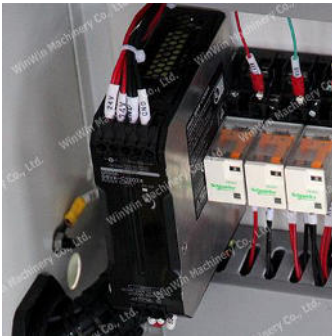
Hard Rubber Limited



High Quality Belt



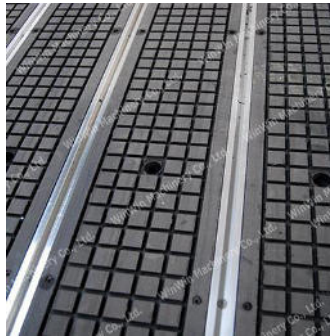
**Japanese Omron 24V
Power Supply**



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



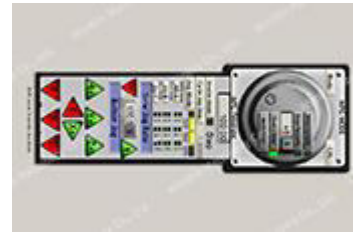
4. Control System

Rich Auto DSP Controller

Ncstudio DSP Controller

Ncstudio Software
Controller

Mach3 Software
Controller

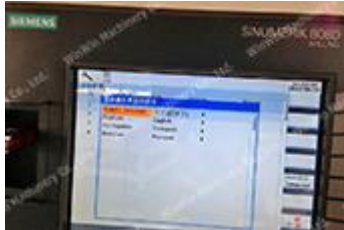


France Siemens
Controller

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