

LOOKING FORWARD TO OUR COOPERATION!

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YOUHAO

PRODUCT BROCHURE

The leader of CNC manufactures in wood-working machinery industry.

SHANDONG YOUHAO ENERGY TECHNOLOGY CO., LTD

Excellent design, professional service, after-sales protection, safe and reliable.

○*Factory Photos.*



Company Introduction

YOUHAO CNC

Shandong Youhao Energy Technology Co., Ltd located in Rizhao E&D zone, is one leader of CNC manufactures in wood-working machinery industry, which dedicates to the R&D, production and sales of CNC wood Router machine, CNC panel furniture nesting machine, CNC aluminum cutting machine and CNC fiber laser cutting machine for over than 10 years.

Quality is never outsourced, all our products from the economic models to the most complicated ones, we always choose the most famous brand and best quality spare parts, like Italy HSD spindle, Japan YASKAWA servo motor and Taiwan HIWIN rails etc. We are committed to making your business success by providing qualified cutting solutions and equipment, but with lower costs thus measurable savings.

In Youhao, we are not just a manufacturing company, we are business partners and friends. Our technical experience, quality products, strength in customer service, dedication to R&D, all of these are presented to our customers in the hope of helping them succeed.

Today and always, together as a team---This is the fundament of Youhao CNC. We will uphold this principle and do even better. Looking forward to our cooperation.



Verified Factory

Our factory ensures strict quality control and refined production.





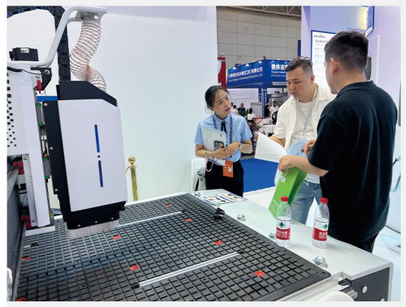
Exhibitions & Projects.

Our machines have been shown at many trade fairs,Received customer recognition and good feedback.



















Our machines have various patents and certificates.













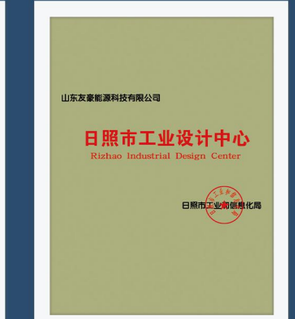










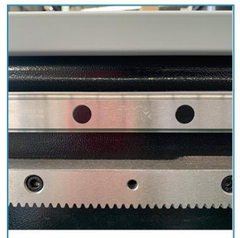




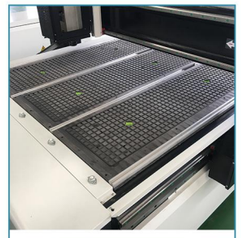
Spindle



Inverter



Rails



Table



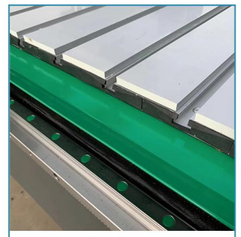
Screw



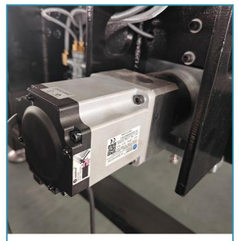
Rack And Pinion



Oiling Lubrication System



Dust-proof



Reducer



Button



DSP Control



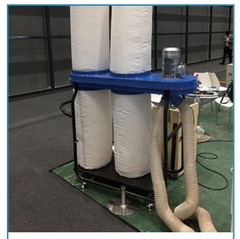
Control System



Motor and driver



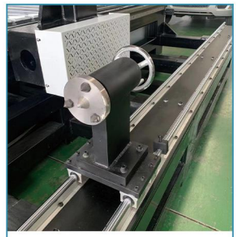
Drag Chain



Dust Collector



Tool Sensor



Rotary device



Vacuum pump



Aggregated head



Water Chiller

YOUHAO

T0

- T0 mini CNC router: compact, desktop-sized, ideal for small engraving.
- Features high-precision 3-axis ball screws, high-quality servo motors, and a powerful spindle for fast cutting.
- Compatible with MACH3 control system for easy laptop connectivity.



Technical parameter

Model	T0-3040 / 0406 / 6090 / 0912
Table Structure	Aluminum profile table /Vacuum table
Working Area	400*600mm
Controller	MACH3 control system
Spindle	0.8KW air cooling system
Motor or Drive	Leadshine 400W servo motor option;Leadshine step motor
Guide Rail	Taiwan linear guide 20/20/15 on XYZ axis
Ball screw	Taiwan 2010/1610/1610 TBI ball screw on XYZ aixs
Working Voltage	220V/1Ph/50Hz/60Hz
Traveling Speed	±10m/min
Working Speed	±5m/min

Application





Application





Technical parameter

Model	T1S / T1 / T1ATC
Table Structure	Aluminum plate table /Vacum table
Working Area	400*500*180
Controller	DDCS EXPERT controller
Spindle	HQD 2.2kw water-cooling spindle
Motor and Driver	Leadshine 750W servo motor and driver
Guide Rail	Taiwan PMI linear guide 20/20/20 on XYZ axis
Working Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)
Traveling Speed	30m/min
Working Speed	20m/min

T1

- The T1 precision engraving machine adopts high-speed water-cooled mold spindle, high-quality servo motors, and high-precision transmission components, which have high processing efficiency and ideal smoothness. Suitable for processing various small carved products, small non-metallic molds, and some soft metals.
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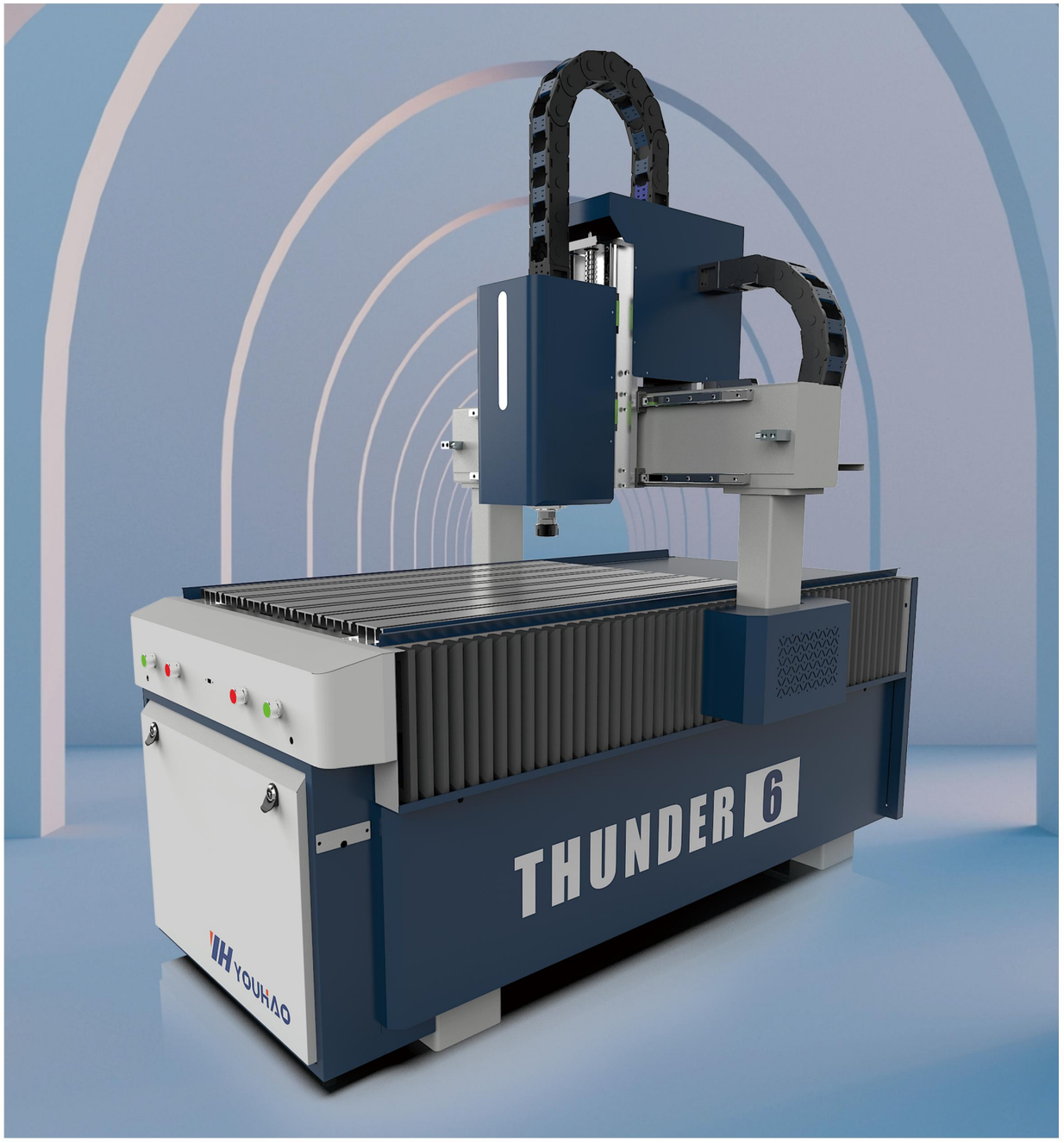
T6

- T6 Mini CNC machine has a relatively small size. Other sizes need to be customized. lt is very suitable for CNC hobby friends, small engraving shop and factories as well.
- Adopt iron welded structure ensures the high precision; HQD air-cooled spindle, high speed, easy maintainance and long life; DSP A11 controller with handle is very easy operated for every beginner.



Technical parameter

Model	T6-6090 / 6012 / 6015 / 8015 / 1015
Table Structure	Aluminum T-Slot Table
Working Area	600*900*200 600*1200*200 600*1500*200 800*1500*200 1000*1500*200mm
Controller	RichAuto DSP A11 Controller
Spindle	HQD 3.5kw Air-cooling Spindle
Inverter	Folinn Inveter
Motor and Driver	Leadshine Step Mortor and Driver
Guide Rail	HIWIN 25/25/25mm
Helical Rack	1.5M Helical Rack
Working Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)

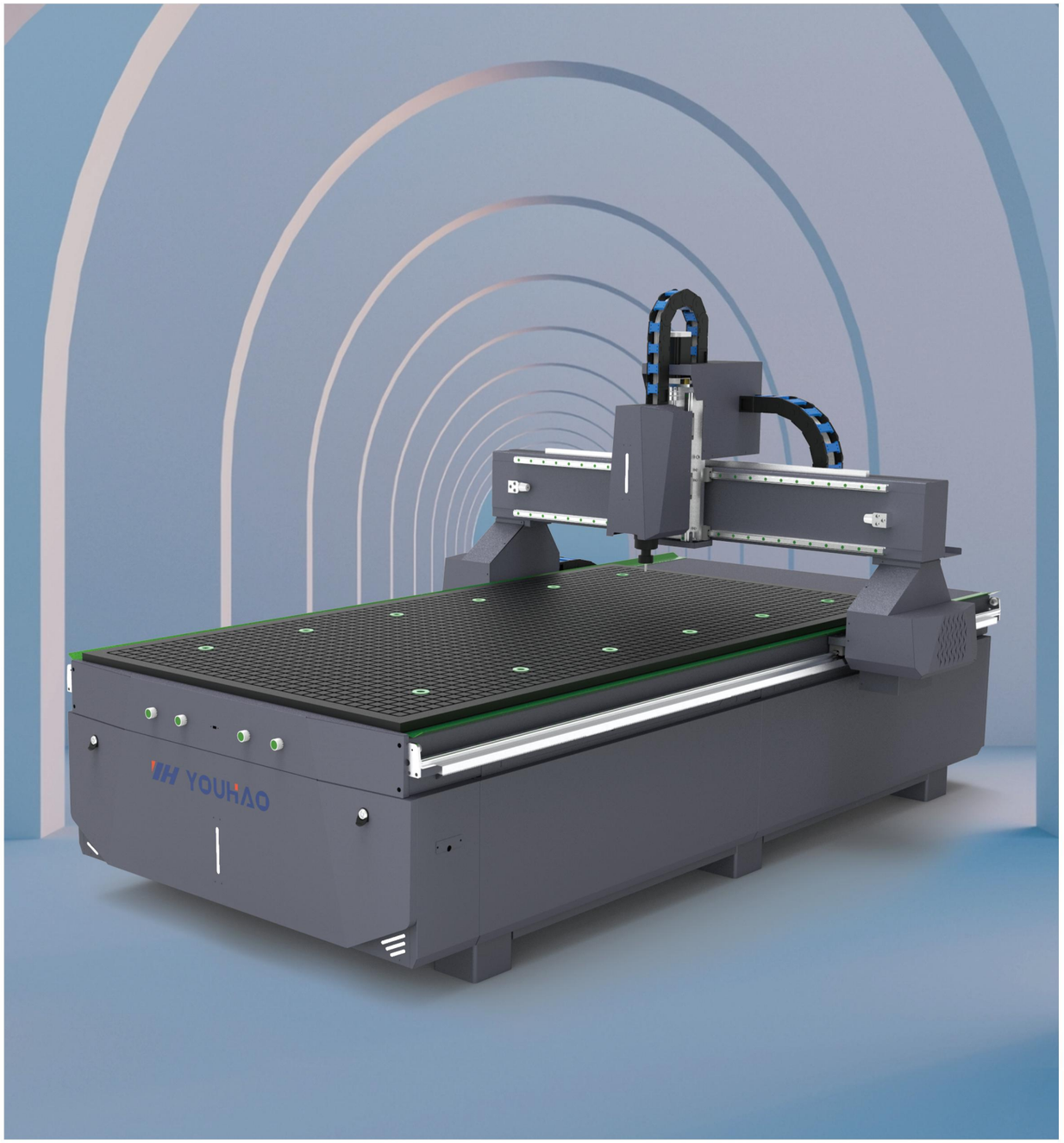
Application





T5

- Economic type with small space occupied, and less power consumption. Stable heavy duty structure, long lifetime using.
- Aluminum T-slot working table, fast and easy to fix materials, vacuum+T-slot table and vacuum table as option.
- DSP controller, easy operation, professional for cutting and engraving.



Technical parameter

Model	T5-1325 / 1530 / 2030 / 2040
Table Structure	Aluminum T-Slot Table
Working Area	1300*2500*200mm 1500*3000*200mm 2000*3000*200mm 2100*3000*200mm 2000*4000*200mm 2000*5000*200mm
Controller	RichAuto DSP A11 Controller
Spindle	HQD 3.5kw Air-cooling Spindle
Inverter	Folinn Inveter
Motor and Driver	Leadshine Step Mortor and Driver
Guide Rail	HIWIN 25/25/25mm
Helical Rack	1.5M Helical Rack
Working Voltage	220V/3Ph/50Hz or 380V/3Ph/50Hz

Application





T9

- High strength and stable machine bed design and structure can make the machine run smoothly, improve the machine working accuracy.
- Three types table to choose: aluminum profiletable, vacuum T slot table and vacuum table.
- It adopts DSP controller, easy to operate, offlinesupporting without connecting computer.



Technical parameter

Model	T9-1325 / 1530 / 2030 / 2130 / 2040 / 2050
Table Structure	Aluminum T-Slot Table
Working Area	1300*2500*200mm 1500*3000*200mm 2000*3000*200mm 2100*3000*200mm 2000*4000*200mm 2000*5000*200mm
Controller	RichAuto DSP A11 Controller
Spindle	HQD 3.5kw Air-cooling Spindle
Inverter	Folinn Inveter
Motor and Driver	Leadshine Step Mortor and Driver
Guide Rail	HIWIN 25/25/25mm
Helical Rack	1.5M Helical Rack
Working Voltage	220V/3Ph/50Hz or 380V/3Ph/50Hz

Application



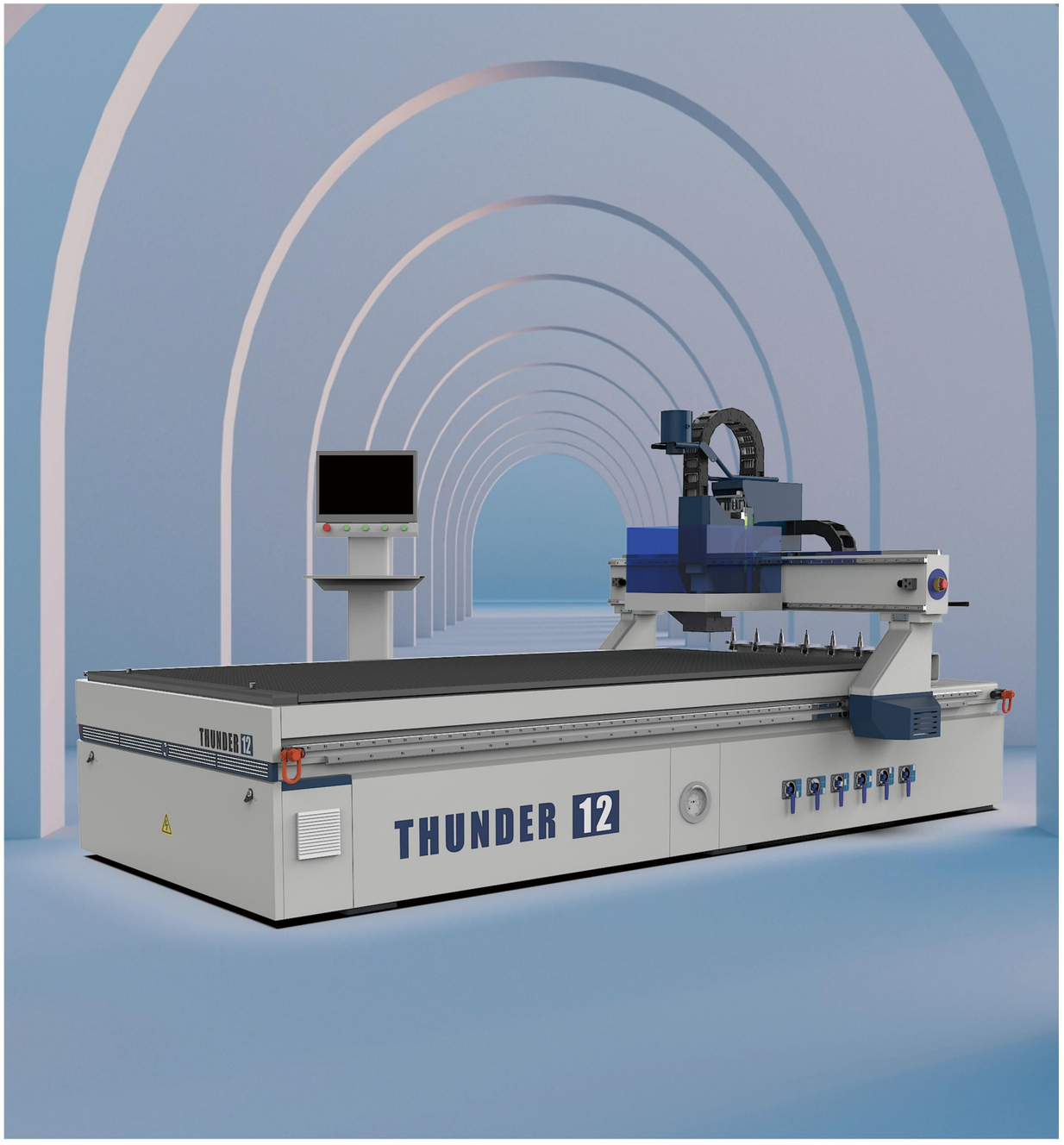






T12

- T12 for woodworking especially cut MDF, Arcylic, PVC even Aluminum and Copper etc.
- It is an auto tool changing machine that has linear tool magazine with 8 slots.
- It can accomplish complicated job which requires different patterns of tools, onetime with tools changing automatically.



Technical parameter

Model	T12ATC-1325 / 1530 / 2030 / 2040
Table Structure	Vacuum T slot table
Working Area	1300*2500 ;1500*3000;2000*3000;2000*4000mm
Controller	Taiwan LNC MW 2200 control system
Spindle	HQD 9KW ATC air cooling spindle, IS030, ER32, 24000rpm
Motor and Driver	Leadshine 750W servo motor and driver
Guide Rail	TAIWAN HIWIN 25/25/25mm square rails
Working Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)
Traveling Speed	50m/min
Working Speed	15m/min

Application







T12S

- Youhao T12S-4-axis machining center adopts the form of double columns. It can process foam, wood models andother three-dimensional models.
- Adopting powermill multi axis machining module and equipped with appropriate post processors to meet customer needs.



Technical parameter

Model	T12S-1325 / 1530 / 2030 / 2040
Table Structure	Aluminum profile table+T slots
Working Area	1300*2500*550mm,1500*3000*550mm, 2000*3000*550mm,2000*4000*550mm
Controller	TAIWAN LNC MW2600 controller
Spindle	HQD 9kw ATC air-cooling spindle
Inverter	Fuling 11 KW Inverter
Motor and Driver	Leadshine 1500W servo motor and dirve.B axis with leadshone 750W servo motor
Guide Rail	Taiwan HIWIN 25/25/25mm square rails
Helical Rack	1.5M helical rack
Working Voltage	380V/3Ph/50/60Hz 220V/1Ph/50/60Hz

Application





T12K

- T12K for woodworking especially cut MDF, Arcylic, PVC even Aluminum and Copper etc.
- It is an auto tool changing machine that has 12 slots tool maaazin.
- It can accomplish complicated job which requires different patterns of tools, onetime with tools changing automatically.

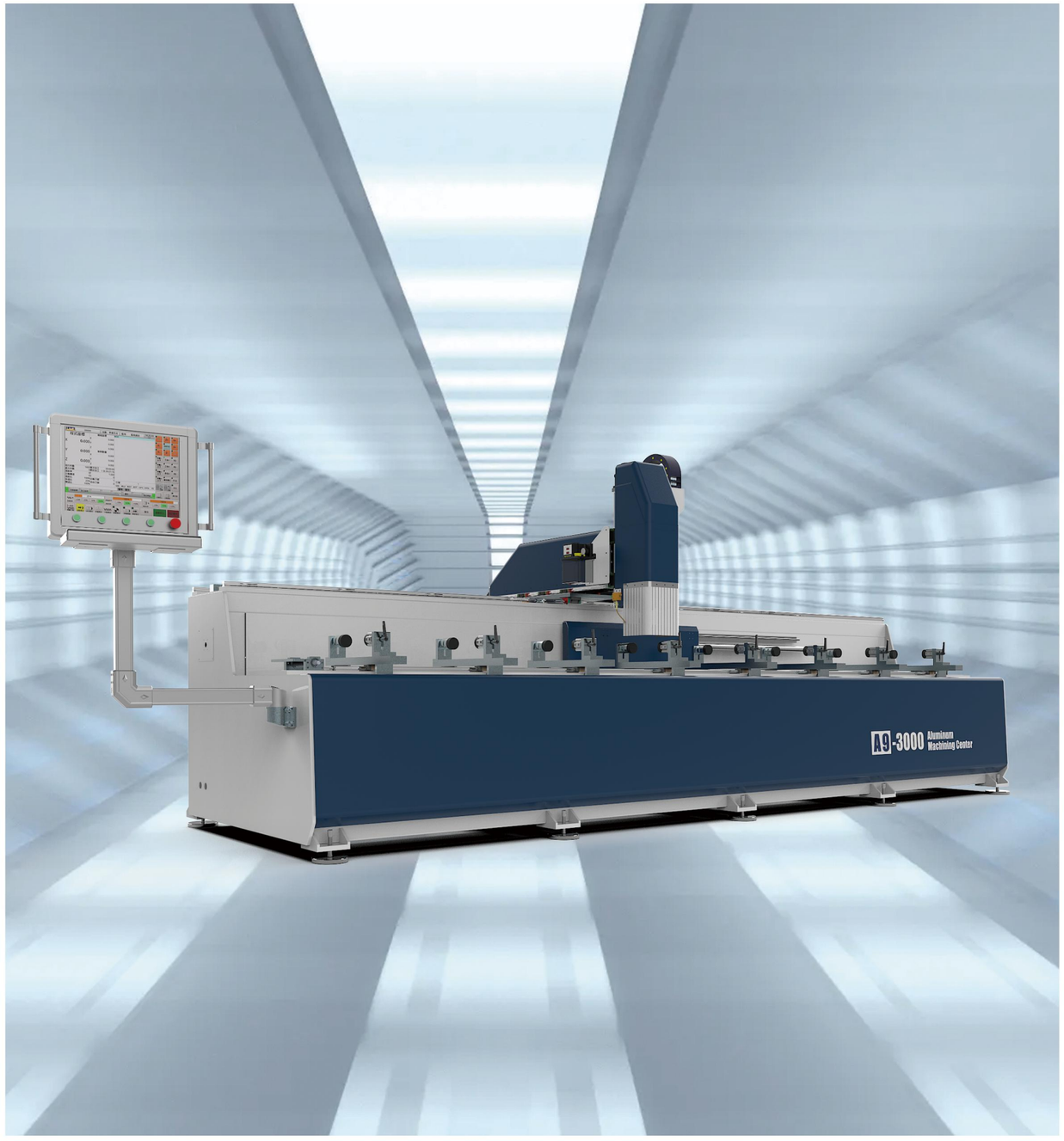


Technical parameter

Model	T12K-1325 / 1330 / 1530 / 2030 / 2040
Table Structure	Vacuum T slot table
Working Area	1300*2500 ;1500*3000;2000*3000;2000*4000mm
Controller	Taiwan LNC MW 2200 control system
Spindle	HQD 9KW ATC air cooling spindle, IS030, ER32, 24000rpm
Motor and Driver	Leadshine 750W servo motor and driver
Guide Rail	TAIWAN HIWIN 25/25/25mm square rails
Working Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)
Traveling Speed	50m/min
Working Speed	15m/min

Application





A8A9

- Applicable for drilling holes, milling grooves.processing circular holes and special-shaped holes,plane engraving of aluminum alloy profiles.
- It adopts Taiwan Syntec control system, intelligent CNC control system and straightforward human-computer interface make the operation much more convenient and efficient.

YOUHAO

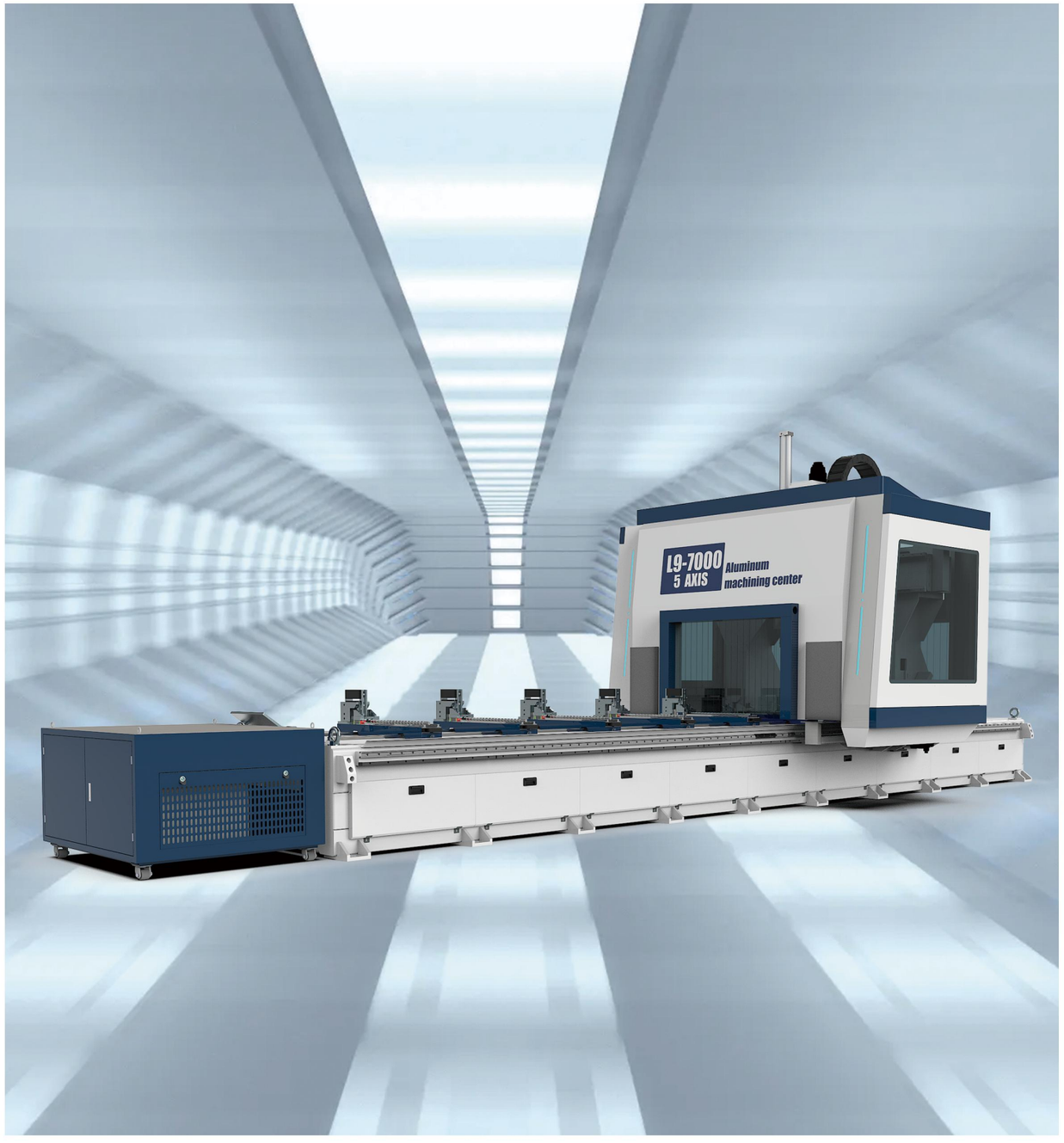
Application





Technical parameter

Model	A8-1200 / 3000 / 4500 / 6000	A9-1200 / 3000 / 4500 / 6000
Table Structure	Pneumatic clamps	
Working Area	1200*200*200 3000*200*200 4500*200*200 6000*200*200	
	1200*200*200 3000*200*200 4500*200*200 6000*200*200mm	
Controller	Taiwan Syntec 60CA control system	
Spindle	HQD 3.5KW air-cooling spindle	HQD 9KW air-cooling spindle
Inverter	Fuling inverter	
Motor and Driver	Leadshine 1500W servo motor and driver	
Guide Rail	Taiwan HIWIN linear guide 30/25/25	
Working Voltage	220v 1ph 50hz(380v 3ph 50hz)	



Application



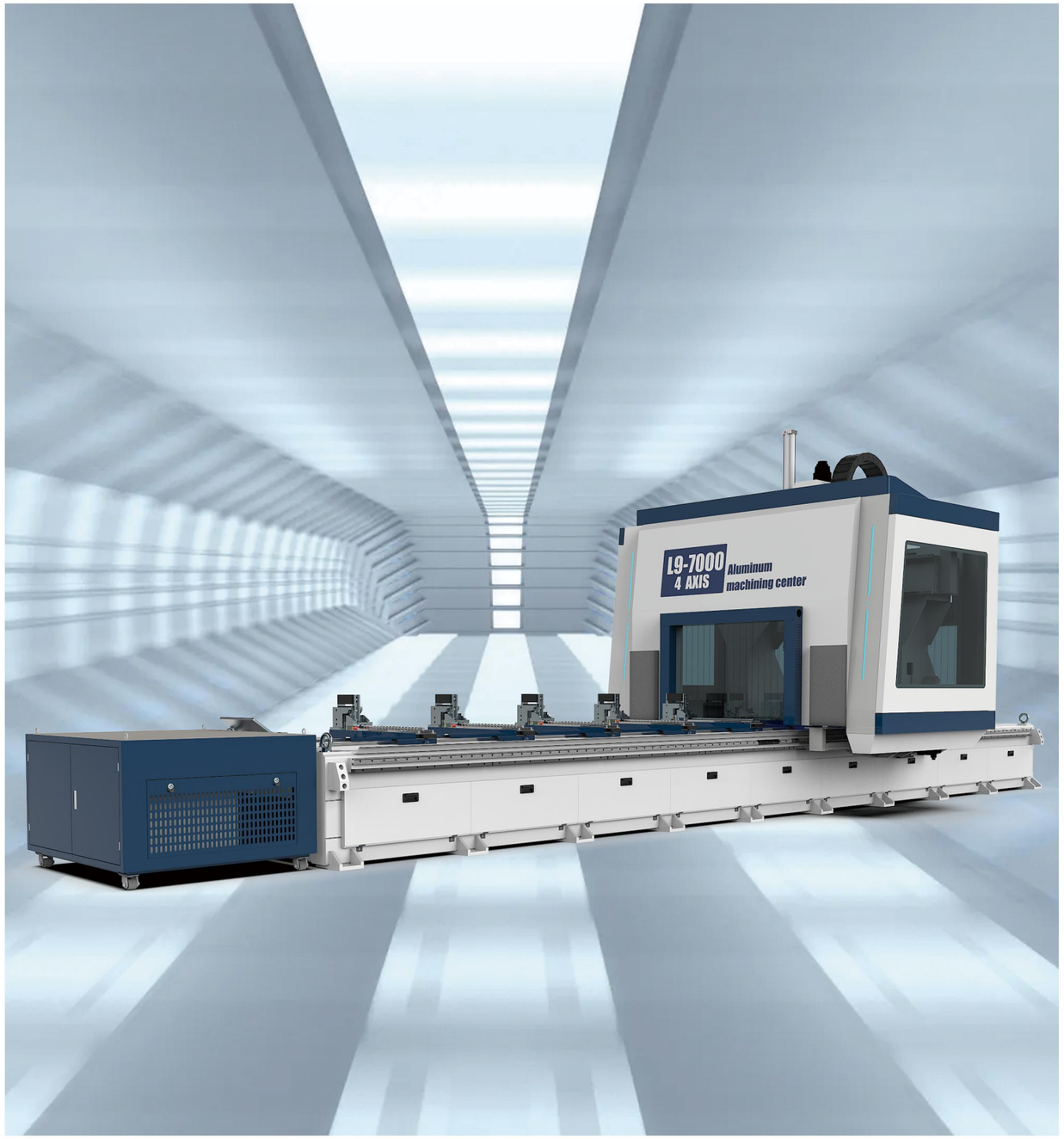


Technical parameter

Model	L9-5A-4500 / 7000		
Pneumatic Clamps	4 sets	6 sets	8 sets
Controller	Italy OSAI smart 5axis control system with RTCP function		
Spindle	Italy HITECO 5 axis 12-14kw spindle		
Inverter	Taiwan Delta 15KW Inverter		
Motor and Drive	Japan Yaskawa 1.8KW servo motor and driver		
Guide Rail	TAIWAN PMI 30/30/30 guide rail on XYZ axis		
Helical Rack	Germany WMH-2M-1000 helical rack		
Ball screw	Taiwan TBI ball screw 3205		
Water Chiller	TEYU CW5200 water chiller		
Working Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)		

L9

- The L9-5A aluminum machining center features a CNC double-swing head with five-axis, five-linkage capability, enabling 5-sided milling, boring, drilling, and sawing.
- It is ideal for rail transit vehicles and five-axis machining of industrial aluminum materials, handling tasks like holes, grooves, and contour shapes on aluminum profiles.



Application





Technical parameter

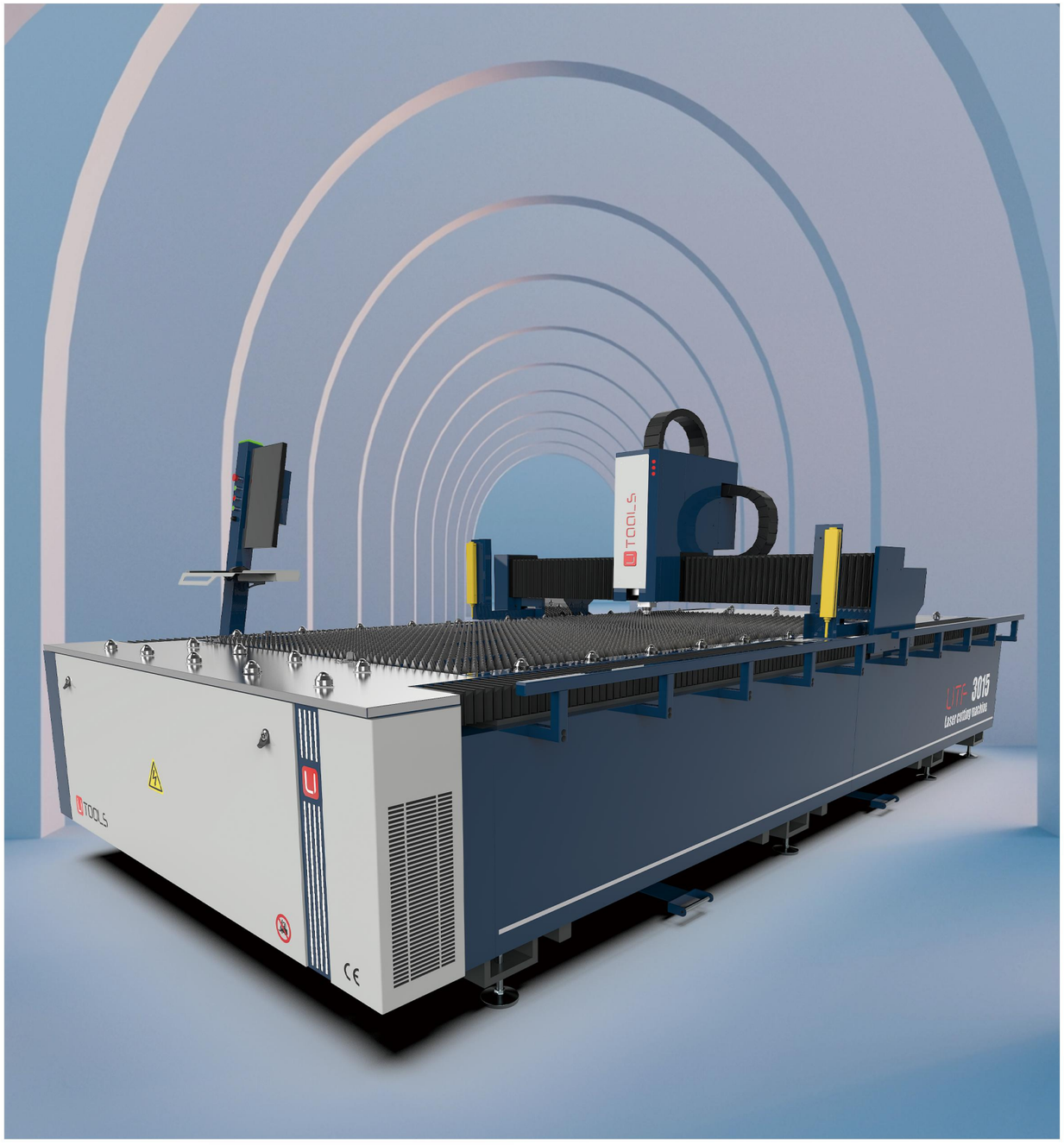
Model	L9-4A-4500 / 7000		
Pneumatic Clamps	4 sets	6 sets	8 sets
Controller	TAIWAN Syntec 60WB control system		
Spindle	HQD 9kw ATC air cooling spindle, 24000rpm		
Inverter	Fuling 11kw		
Motor and Drive	Leadshine 2000w servo motor, Z axis with brake		
Guide Rail	Japan pantoscopic 35/30/30 guid rail		
Helical Rack	XINYUE 2M Helical rack		
Ball screw	Taiwan TBI ball screw 3205		
Cooling Device	Oil spray mist cooling device		
Working Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)		

L94A

- The L9-4A aluminum machining center is with a swing head whc=ich can rotate ±90°, can make 3 sided milling, boring and drilling.
- It is ideal for processing industrial aluminum materials, handling tasks like holes, grooves, and contour shapes on aluminum profles.

Utools fiber laser cutting machine

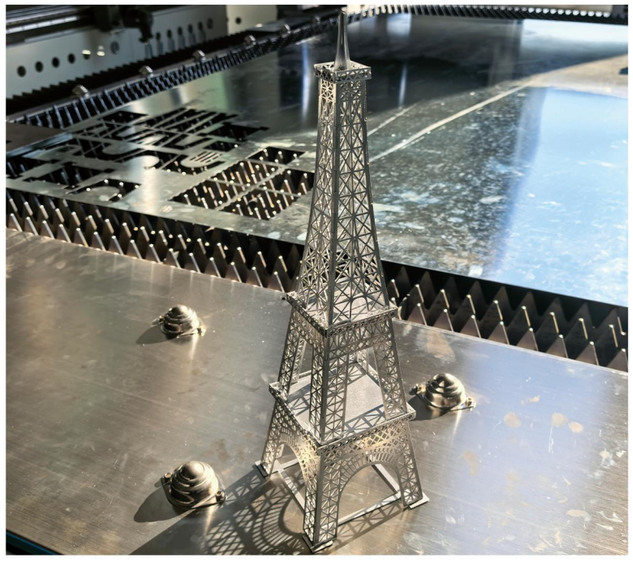
- The Fiber Laser Cutting Machine offers high-speed, precise, and energy-efficient cutting for various metals, including stainless steel, aluminum, and carbon steel.
- With high cutting precision and speed. Versatile for different metals and low operating costs and energy-efficient. Boost your production efficiency with reliable, high-performance cutting.



Technical parameter

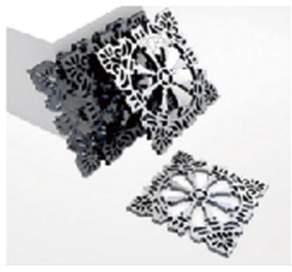
Model	UTF3015 / 4015 / 3020 / 4020 / 6020
Working table	Thickend Sawtooth-table
Laser Source	MAX 3000W Fiber laser generator
Control System	RAYTOOLS X3S control system with 24-inch touch screen
Fiber laser cutting head	RAYTOOLS BM110E laser cuttng head with Autofocus
Motor	HCFA Y1500W*2 / X1000W / Z400W servo motor
Water Chiller	TEYU S&A CWFL-1500W water chiller
Reducer	Japan Shimpo reducer
Guide rail	Taiwan Hiwin 25/30/25 guide rail
Rack	Taiwan YYC 2M gear transmission
Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)

Application











Laser welding machine

- Laser welding machine adopts advanced fiber laser welding technology, provides stable and efficient welding effect, and users can easily master it.
- 4 in 1 laser welding machine is used for welding, cutting, cleaning and cleaning after welding function.
- It is suitable for processing metal, such as SS, aluminum and carbon steel, etc.

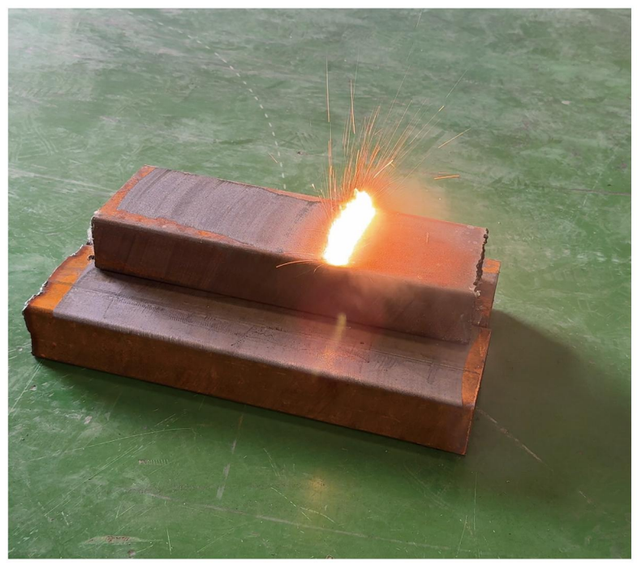


Technical parameter

Model	UTW-1500 / 2000 / 3000
Laser Source	Raycus laser source
System	Raytools fourin one control system
Welding head	Raytools welding head
Nozzles	Raytools nozzles
Fiber optic cable length	10M
Wire feeder	Raytools Single wire feeding and single pendulm
Water chiller	TEYU RMFL-1000W(1500W/2000W/3000w) water chiller
System language	English
Voltage	220V/1ph/50hz 380V/3P/50Hz(3000W)
Packaging	Export standard wooden box

Application





C8/9

- Mainly for flexible materials for intelligent cutting, materials including KT board, ABS, corrugated paper, card-board, carpet, UV cloth, plastic, etc..
- The machine can complete the material processing with high precision and high speed, and the cutting edge of the sample is smooth, without generating powder and foam, which is safe and environmentally friendly.



Technical parameter

Model	C8-1625 / 2030 C9-1625 / 2030
Working table	Vacuum partition suction with Felt
Control System	RUIDA Control system with LCD touch screen
Tool	Oscillating knife with red light position
Motor and Driver	TAIWAN DELTA 400W servo motor on XY axis, Z axis and tool holder 100W
Reducer	ZHUOLAN reducer
Rails	Taiwan HIWIN 20/20mm guide rails on X Y-axis
Rack	1.5M helical rack
Vacuum pump	Golden Bridge 7.5Kw vacuum pump
Safety device	Anti-collision infrared safety device
Electrical components	French Schneider electrical components

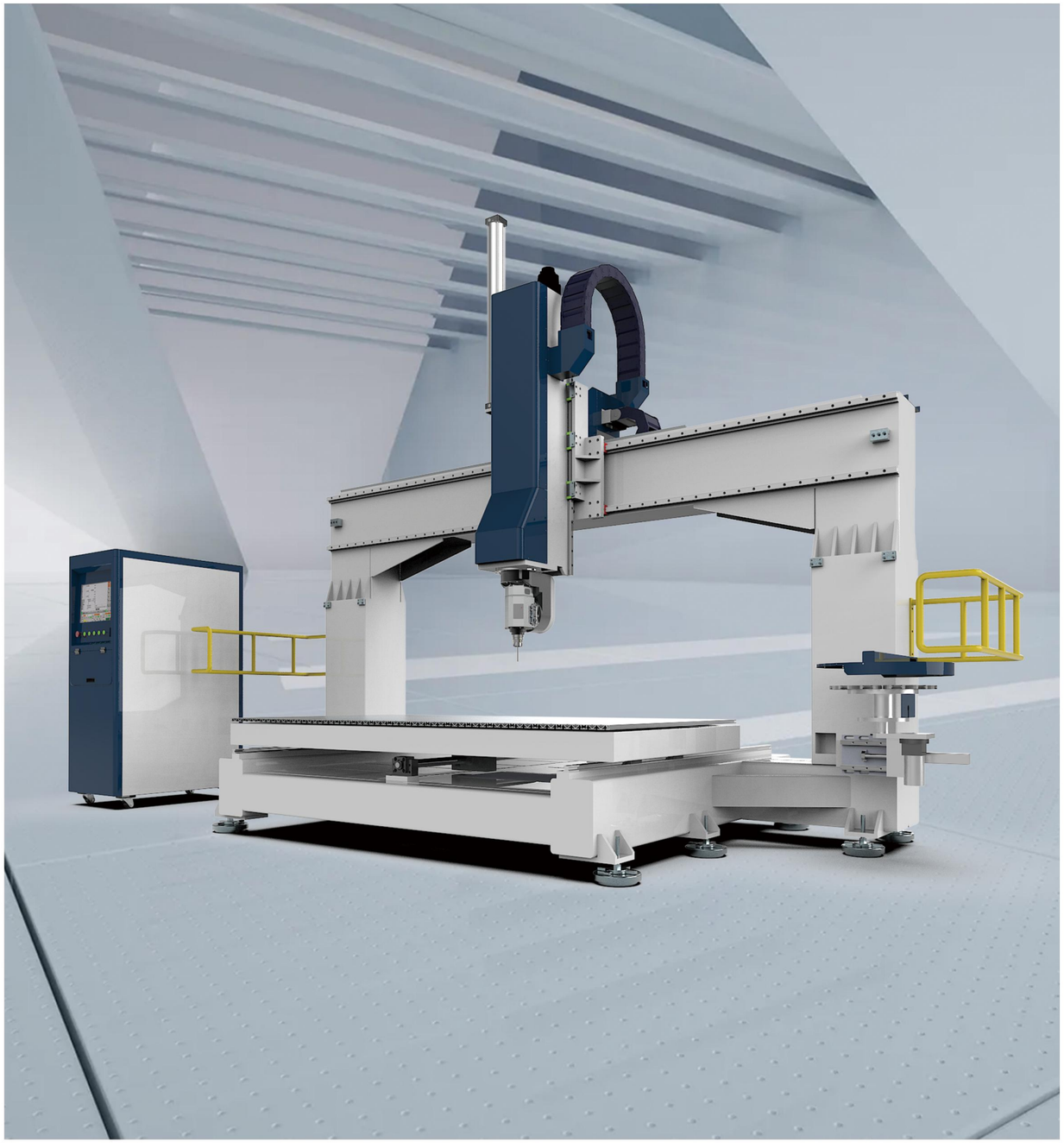
Application





Y9

- 5 axis CNC machining center is designed specifically for complex curved surfaces.
- Widely used in various large metalloid mould, especially suitable for automotive foam mold, wooden ship model, wooden model aviation, rail wooden mold,wooden mold train.



Techinical parameter

Model	Y9-1212 / 1313 / 2412 / 2513 / 3015 / 3020
Table Structure	Aluminum + T-Slot Working Table
Working Area	1200*1200*650; 1300*1300*650; 2400*1200*650; 2500*1300*650; 3000*1500*650; 3000*2000*650mm
Controller	Italy OSAI smart 5axis control system with RTCP function
Spindle	Italy HITECO 5 axis 8.5-10kw right angle spindle,with L-shaped
Inverter	Taiwan Delta 15KW Inverter.
Motor and Drive	Japan Yaskawa 1.3KW servo motor and driver
Guide Rail	TAIWAN PMI 30/30/30 guide rail on XYZ axis
Ball screw	Taiwan TBI ball screw 4010 on Y, 3205 on Z axis
Working Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)

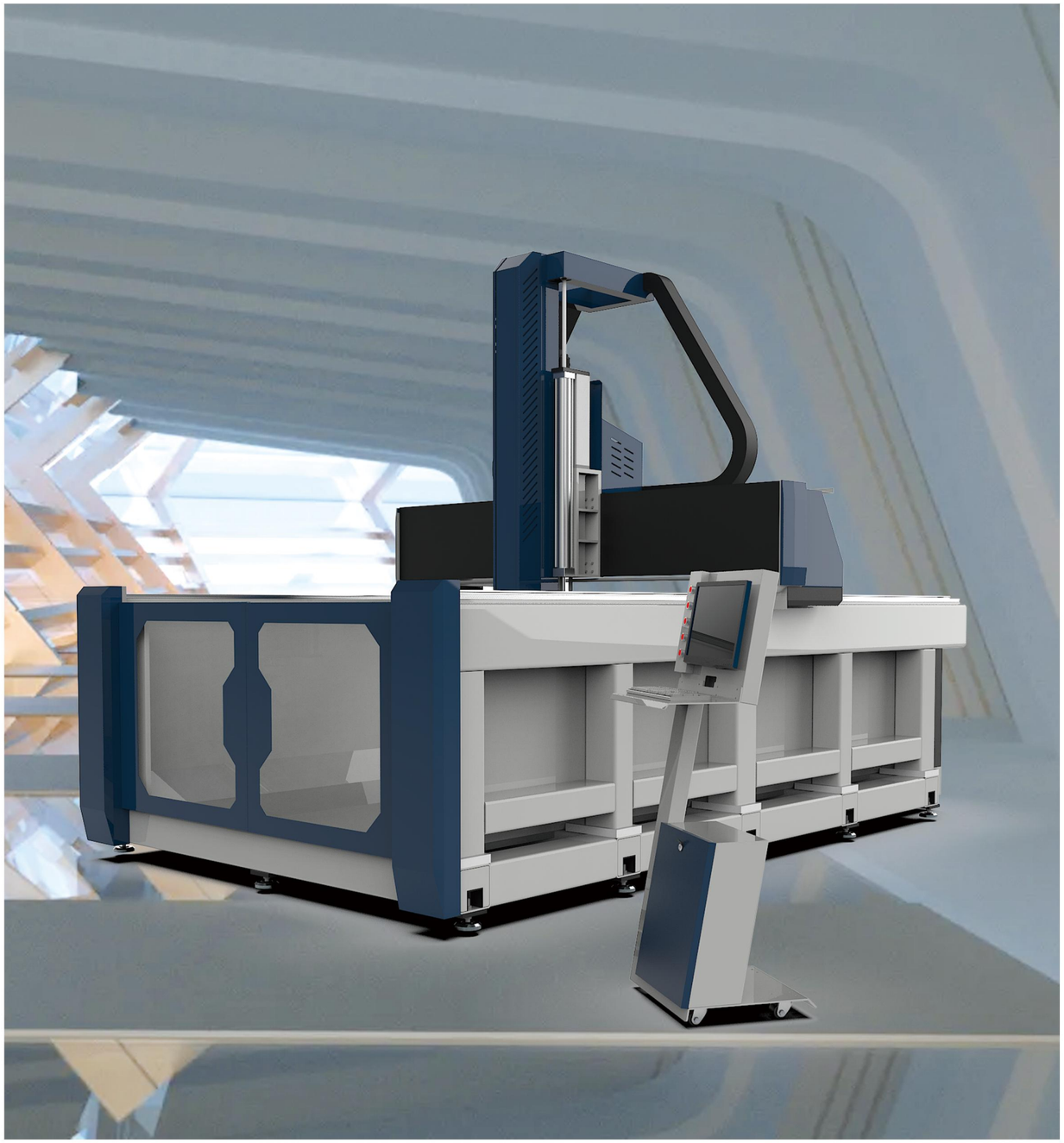
Application





P9

- P9-5A EPS CNC machining center, widely used in lost foam process.
- Hiteco 8.5-10KW 5 axis spindle is Italian famous brand, high precision and high quality assurance.
- Equipped with 12 carousel tool magazines, auto tool changer, improve efficiency.



Techinical parameter

Model	P9-5A-1530 / 2030 / 3040
Table Structure	Thickened aluminum profile T slot table
Working Area	1500*3000*650; 2000*3000*650; 3000*4000*650mm
Controller	Italy OSAI smart 5axis control system with RTCP function
Spindle	Italy HITECO 5 axis 8.5-10kw right angle spindle,with L-shaped
Motor and Drive	Japan Yaskawa 1.8KW servo motor and driver
Inverter	Taiwan Delta 15KW Inverter
Guide Rail	TAIWAN PMI 30/30/30 guide rail on XYZ axis
Ball screw	Taiwan TBI ball screw 4010 on Y, 3205 on Z axis
Working Voltage	220V/1Ph/50Hz(380V/3Ph/50Hz)

Application



