



ANHUI WILLIAM(VICUT) CNC TECHNOLOGY CO.,LTD

CNC Contour Cutting Machine



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Features

1. With CCD camera and software, this machine can cut images on printing boards;
2. Rotary auto tool changing system, 8/10pcs tools station, changing tools within 2 seconds.
3. Heavy duty machine body, with sand inside of the square tube, makes the whole machine weight more than 2 .5tons, guarantee the high working accuracy.
4. All spare parts are the best brand in the world. Such as, Italy HSD Spindle and tool holder, Taiwan PMI square rails, Japan Yaskawa servo motor, Taiwan Syntec controller, etc.
5. Germany helical gear rack and reducer on Y axis to reduce the vibration, no noise during working.
6. Cutting tools including spindle motor and oscillating knife for cutting hard and soft material.
7. OEM service is available.

Applications

Material: acrylic, wood sheet, PVC, ABS Sheet, aluminum sheet, brass, KT-board, leather, fabric, etc.

Field: mainly used in making signs, also can make furniture (such as doors, windows, kitchen cabinet,)

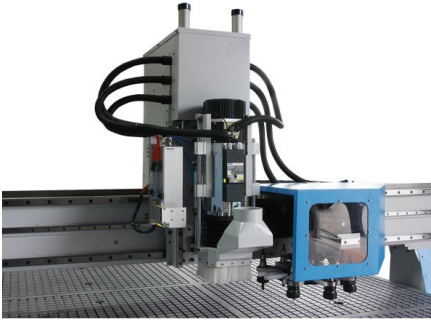
Technical Parameters

Model	VCT-CCD1325ATC8	VCT-CCD1530ATC8	VCT-CCD2030ATC8
Machine Dimension	2500 x 3200 mm 8.2'x10.5'	3000 x3800mm 9.84'x12.5'	3500 x3800mm 11.5'x12.5'
Working Size	1300 x 2500 x 200mm (4.3 x8.2 x0.66ft)	1500 x 3000 x 200mm (4.9 x9.8 x0.66ft)	2000 x 3000 x 200mm (6.6x9.8 x0.66ft)
Spindle Power	(12HP)9KW Italy ATC spindle		
Driving motor	Japan Panasonic / Yaskawa servo motor & driver		
CCD camera	CCD camera on Z axis for contour cutting		
Tool Stock	8/10 Tools(BT 30 /ISO 30)		
Structure	Thick steel tube welding (sand inside to increase the weight)		
Transmission	XY axis Germany Helical gear rack and reducer, Z axis high accuracy TBI ball screw		
XYZ Guiding Rails	Taiwan PMI square rails		
Machining Accuracy	<0.03/300mm		
Maxi Working Speed	24000mm/m		
Spindle Speed	6000-36000rpm		
Controller	Taiwan Syntec ATC controller (NC studio is optional)		
Format instructions	G code or HPGL		
Voltage	AC 380V/60Hz		
Net Weight	2500kg	3200kg	3800kg
Packing size	3860x 2230x1900mm 17CBM	4200x2230x1900mm 18CBM	4200x2230x1900mm 18CBM



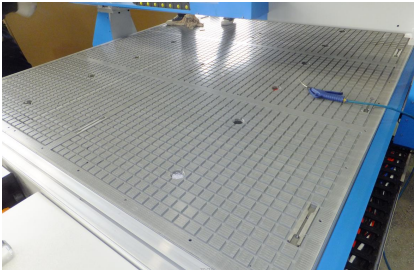
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Details

Seq.	Picture	Detail Instruction
1		CCD camera can sense the mark point printed on the to realize the contour cutting of images printed automatically.
2		Base Frame: The base frame is made of heavy-duty tubular steel that is welded, precisely machined by gantry milling machine and stress relieved by vibration device so that the foundation remains true and steady over the operational life of the machine. With sand inside to increase the machine weight.
3		ATC Spindle with dust-skirt head: Italy ATC spindle is a leader in the machining of wood, aluminum and plastics. The 9KW/12HP spindle is characterized by its' extremely high reliability and fully programmable speeds from 6000 to 36000 RPM, it comes complete with pneumatically retractable vacuum hood, standard ER collets and ISO 30/BT 30 tool holders. Each mechanical, pneumatic and electronic component undergoes a double testing phase that guarantees optimum quality standards.
4		Tool station: 8/10pcs circular or linear tools station on the X gantry or side of machine, makes changing tools faster and save cost, changing tools within only 2 seconds.

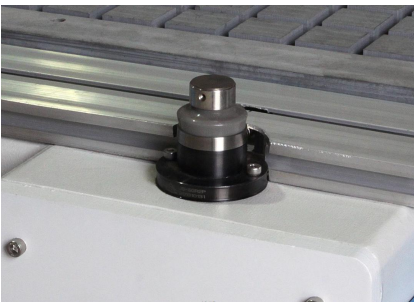


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5		Controller: Taiwan Syntec controller special for ATC CNC, with MPG for high accuracy positioning. It is capable of USB flash drives and is very easy for users to do wiring and can save a lot of time. It supports 4 servo axes + 1 spindle, simultaneously interpolated axes can be 4 axes, and it has power failure protection function.
6		Servo Motor: High-power AC Panasonic/Yaskawa Servo motor & direct drive planetary Gearbox, the structure maximizes the tensional moment when motor power is rated, it is for high load and smoother machining; it offers long-term maintenance-free solution.
7		Helical Gear Rack and Reducer: Original Germany helical gear rack makes cutting more smooth and more precisely. Reducer can reduce the vibration during cutting; ensure the cutting edge high smoothly.
8		Linear Square Guide: 25MM PMI linear square guide, it is an ultra-heavy type that achieves a deep grooved raceway with its diameter more approximate to the ball diameter and has high rigidity, vibration and shock resistance, and damping characteristics, which are required for machine tools.
9		Vacuum table and pump: Fully zoned vacuum table which allows the operator to easily switch from full sheet processing to smaller part processing. Zones can be turned off easily with the switches on the front of the machine. Gaskets can also be routed to accommodate various material sizes and styles. Air cooling vacuum pump offers enough power to hold the material on the vacuum table.



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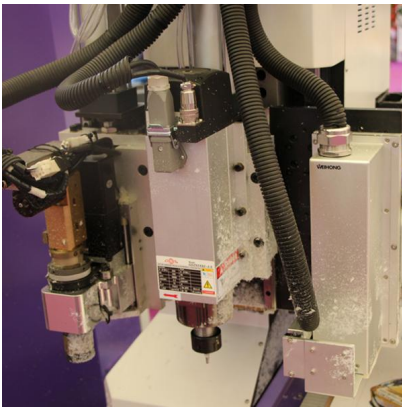
10		Central Oil Lubricator: Easier to lubricate the Guide units regularly, just pull it gently and oil will go when it is needed.
11		Mist sprayer cooling system: Use alcohol or other coolants to spray mist to the tools during cutting, which makes the cutting edge smoother and protect the cutting tools.
12		Tool Sensor: Automatic tool length calibration and registration, it allows for easy and accurate "Z" zero position for single and multiple tool changes through the program, saves time & error-free.
13		Electric Cabinet: All the electrical components are housed and wired in a mobile, double door electrical enclosure. This allows for easy access and service when needed. Every wire is tagged so that when service is required, the customer can easily navigate the cabinet.



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14		Design software: the professional design software (Type3, UcamV10, Artcam, etc.) is special for making 2D/3D drawing, saved it as G code which can be recognized by CNC router.
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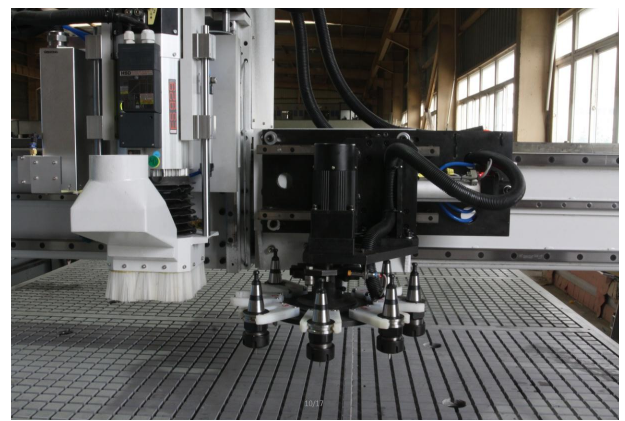
Options

Seq.	Picture	Detail Instruction
1.		Control cabinet with Air conditioner: the air conditional installed on the control cabinet, ensure the machine can be used in tropical area countries to reduce the temperature inside of the cabinet, avoid damage of the electric components
2		Oscillating tool for cutting soft material.

[More picture](#)



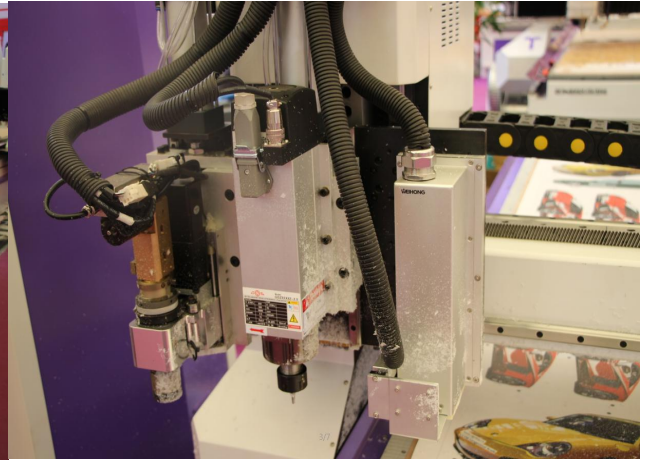
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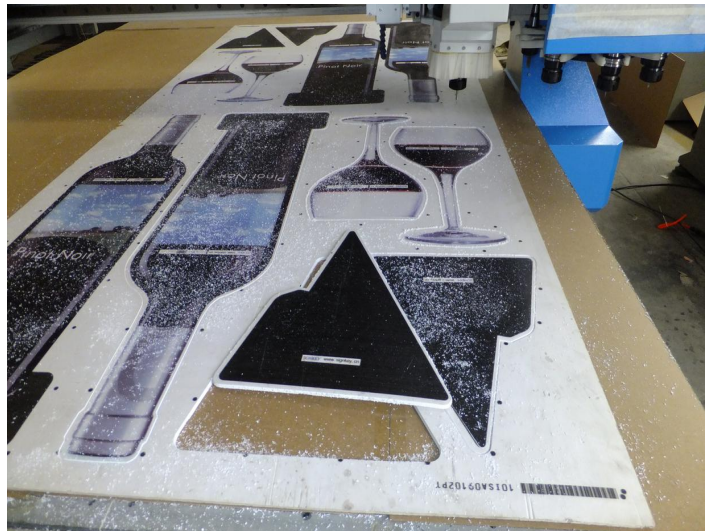


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Working Sample

KT-board



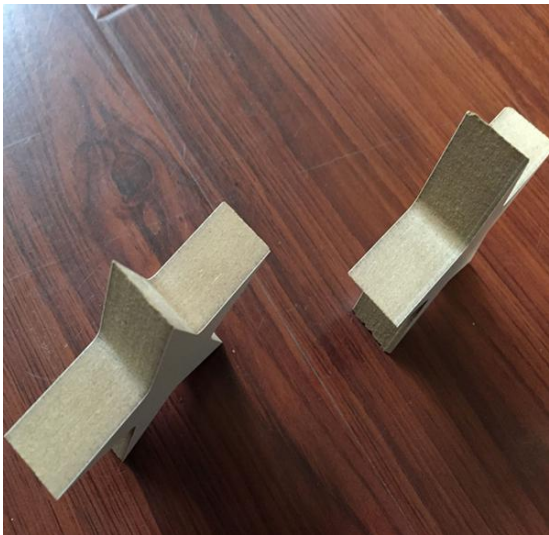
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MDF



Acrylic



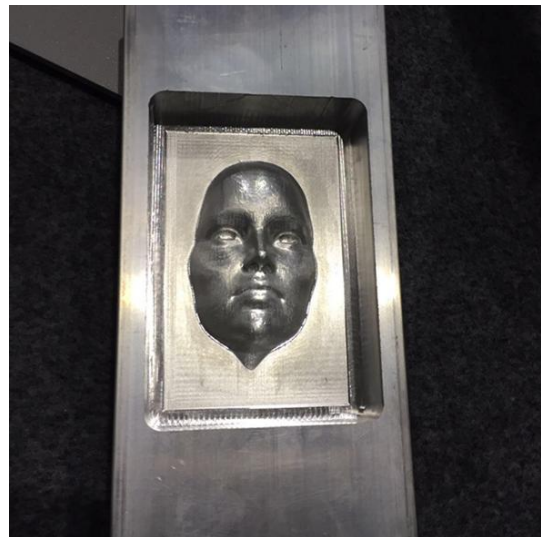
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Aluminum



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Wood

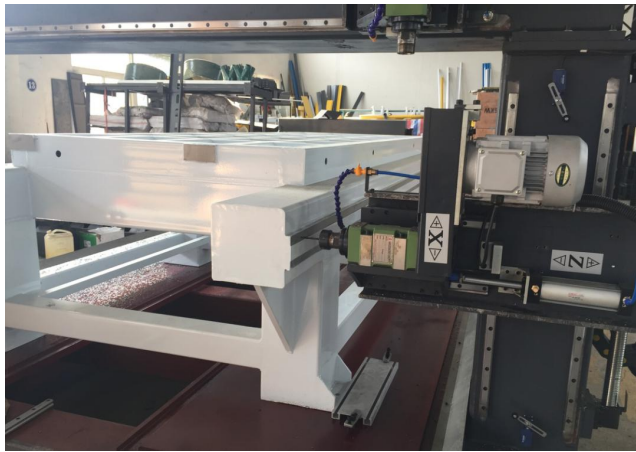
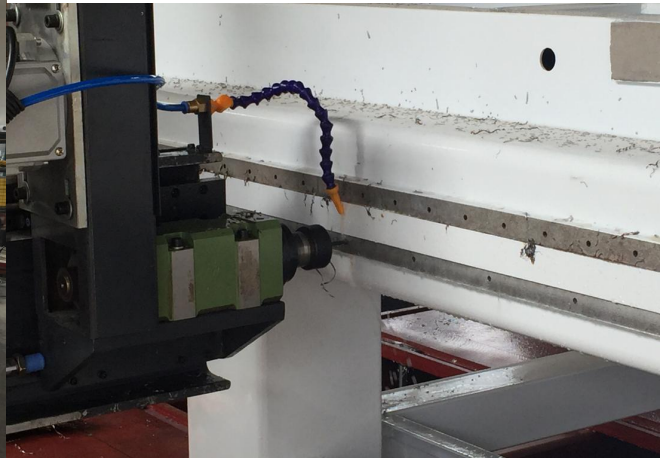


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Factory View



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Package

