



**ANHUI WILLIAM (VICUT) CNC TECHNOLOGY CO.,LTD**

## **Linear ATC CNC Router (Auto Tool Changer)**



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### Features

1. Linear auto tool changing system, 8/10pcs tools station, changing tools within 2 seconds.
2. 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.
3. All spare parts with high quality. Such as, Chinese 5.5KW Spindle and tool holder, Taiwan PMI square rails, France Schneider servo motor, Taiwan Syntec controller, etc.
4. High precision helical gear rack makes cutting more smooth and more precisely.
5. OEM service is available.

### Applications

**Material:** wood, Plywood, MDF, PVC, acrylic, ABS , foam, aluminum , brass, etc.

**Field:** Making furniture (doors, windows, kitchen cabinet etc.) and also can be used to making mini acrylic letters, process aluminum products, etc.

### Technical Parameters

Model	VCT-1325ATC8	VCT-1530ATC8	VCT-2030ATC10
Dimension size	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	9KW ATC spindle		
Driving motor	XYZ Servo Motor (Yaskawa, Panasonic, Schneider, Leadshine, etc.)		
Reducer	APTEX reducer		
Tool Stock	ISO30 OR BT30 Tools 8pcs(Linear tool holder at the back of machine)		
Structure	Thick steel tube welding(concrete inside to increase the weight)		
Transmission	Y axis Helical gear rack , XZ axis high accuracy TBI ball screw		
XYZ Guiding Rails	Taiwan PMI 25mm square rails		
Cooling system	Mist sprayer cooling system		
Table	Vacuum table with air cooling vacuum pump		
Machining Accuracy	<0.03/300mm		
Auto tool sensor	Yes		
Dust collector	Auto up-down dust skirt, 2 bags dust collector		
Maxi Working Speed	24000mm/m		
Spindle Speed	6000-24000rpm		
Controller system	NC studio NK300 ATC Controller		
Support file format	G code or HPGL		
Voltage	AC 380V/60Hz		
Net Weight	2500KG	2800kg	3200kg
Packing size	3860x 2230x1900mm 17CBM	4200x2230x1900mm 18CBM	4200x2230x1900mm 18CBM



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### Details

Seq.	Picture	Detail Instruction
1		<b>Base Frame:</b> 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.
2		<b>ATC Spindle with dust-skirt head:</b> HSD air-cooled 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 24000 RPM, it comes complete with pneumatically retractable vacuum hood, standard ER collets and ISO 30 tool holders. Each mechanical, pneumatic and electronic component undergoes a double testing phase that guarantees optimum quality standards.
3		<b>Tool station:</b> Rotary ATC 8/10pcs tools station on the X gantry: Tools rotate and move together with spindle motor on the X gantry, makes changing tools faster and save cost, changing tools within only 2 seconds.
4		<b>Controller:</b> 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.







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5		<p><b>Servo Motor:</b> High-power AC Panasonic Servo motor &amp; 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.</p>
6		<p><b>Helical Gear Rack and Reducer:</b> 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.</p>
7		<p><b>Linear Square Guide:</b> 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.</p>
8		<p><b>Vacuum table and pump:</b> 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 panel 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.</p>




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9		<p><b>Central Oil Lubricator:</b> Easier to lubricate the Guide units regularly, just pull it gently and oil will go when it is needed.</p>
10		<p><b>Mist sprayer cooling system:</b> Use alcohol or other coolants to spray mist to the tools during cutting, which makes the cutting edge smoother and protect the cutting tools.</p>
11		<p><b>Tool Sensor:</b> 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 &amp; error-free.</p>
12		<p><b>Electric Cabinet:</b> 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.</p>








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13.		<b>Design software:</b> 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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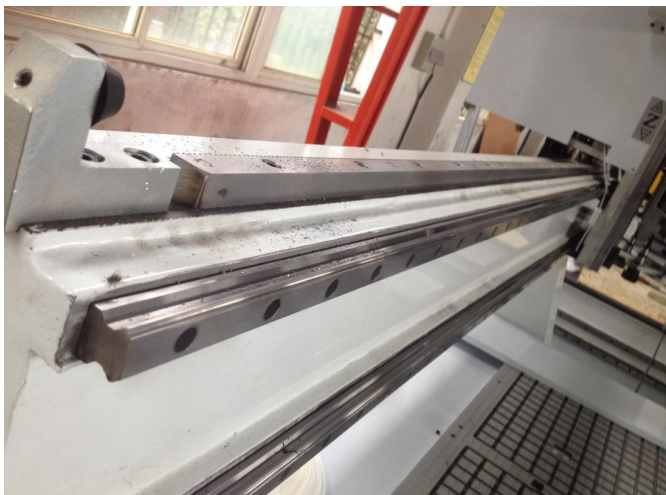
### Options

Seq.	Picture	Detail Instruction
1.		<b>CCD camera:</b> With CCD camera and software, this machine can CUT IMAGES on printing boards
2.		<b>Circular tool holder on X gantry:</b> Tools rotate and move together with spindle motor on the X gantry, makes changing tools more fast and save cost.
3.		<b>Control cabinet with Air conditioner:</b> 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



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[More picture](#)

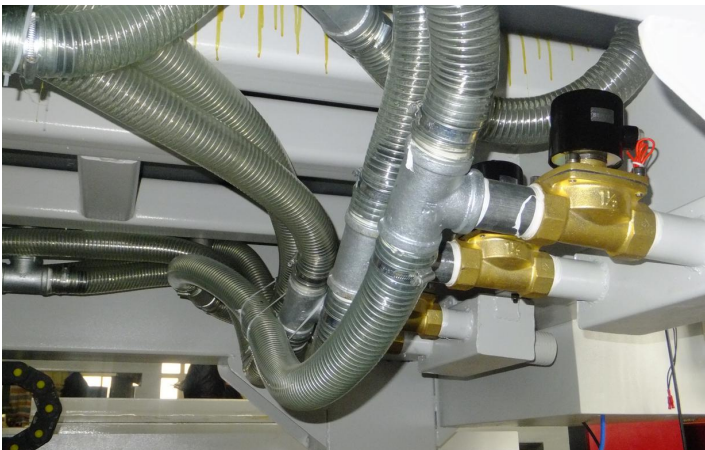
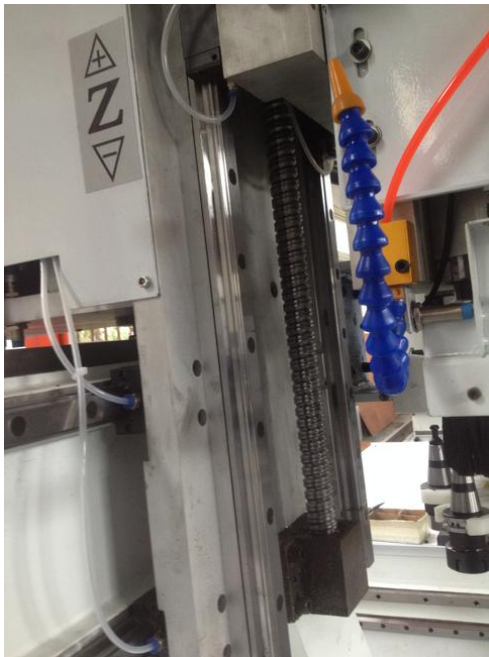


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**Sample**

**MDF**

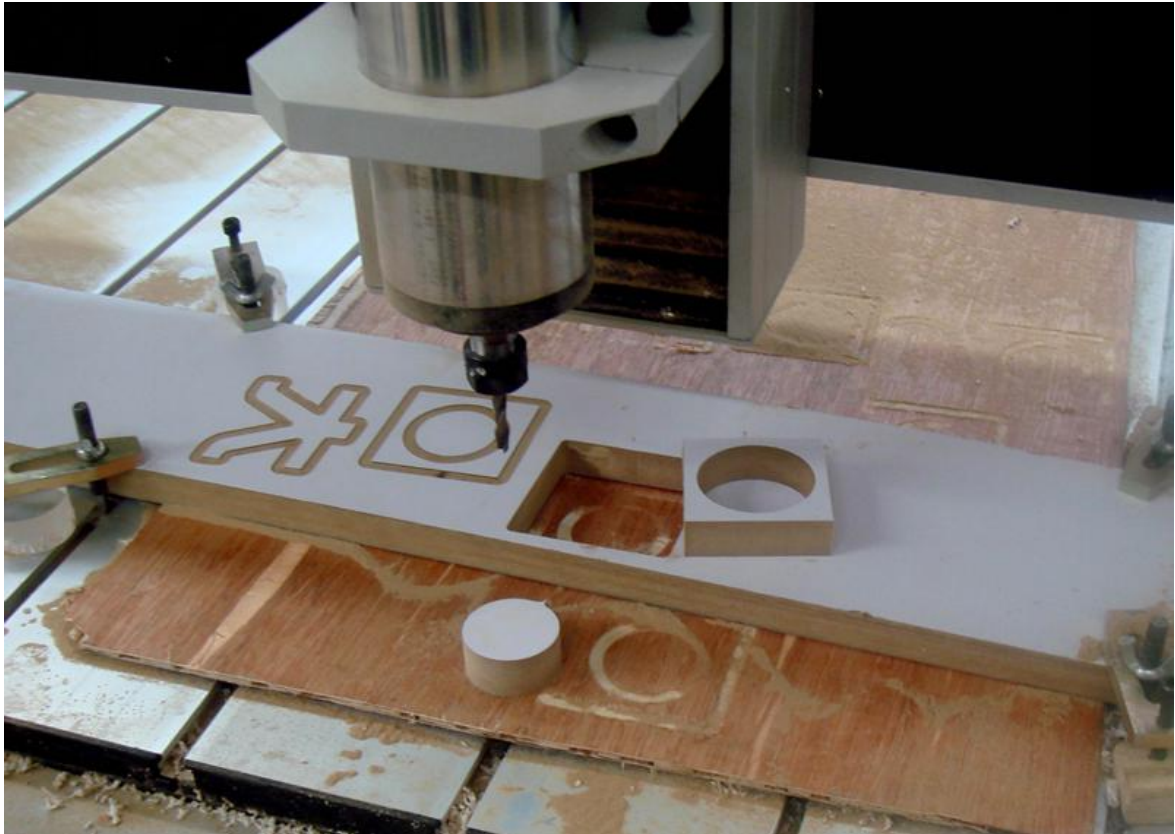


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**Acrylic**



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**Aluminum**



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## Wood



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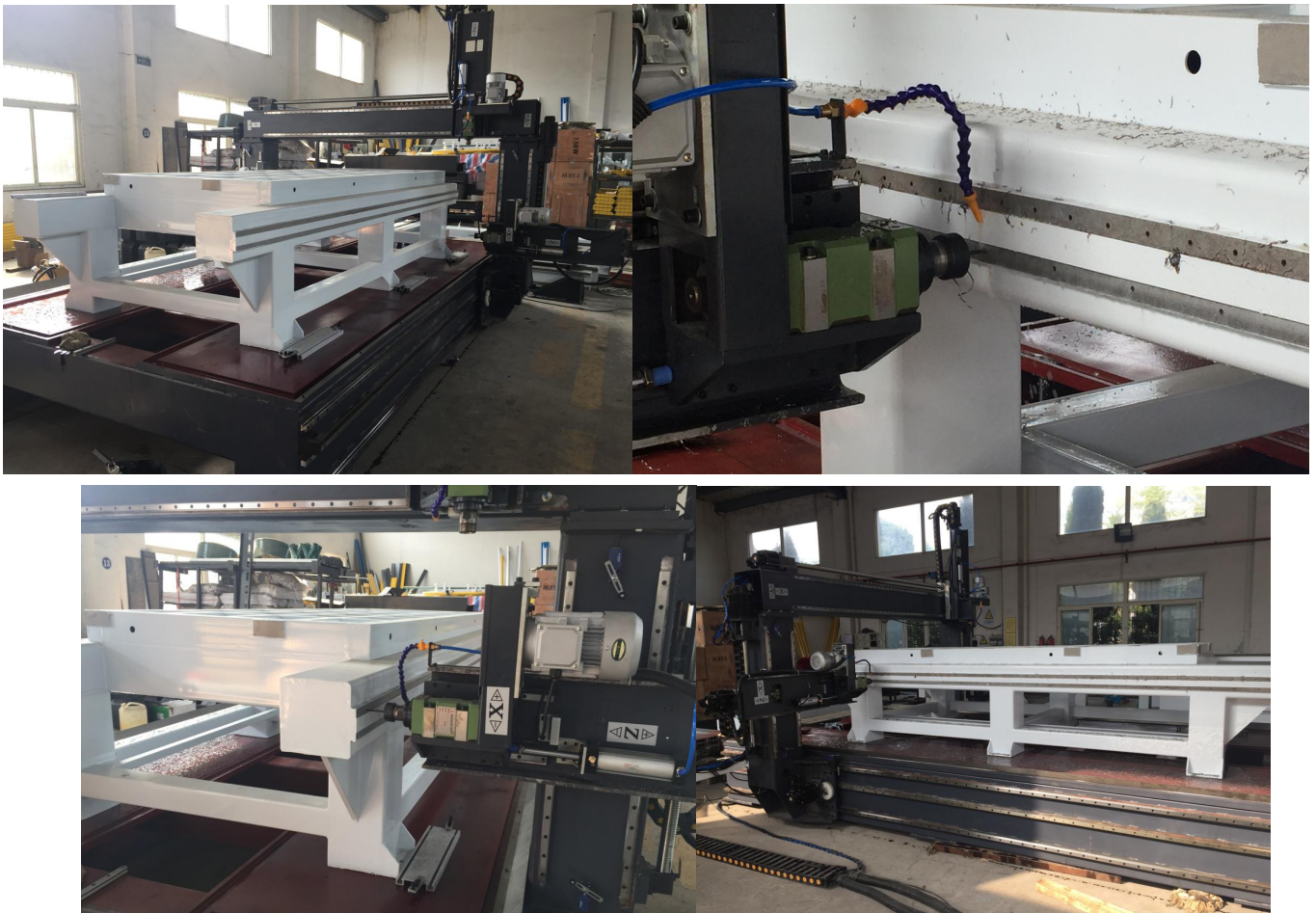




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### Package



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