

CE SGS



RAPTORTECH[®]

CNC Router with Vacuum Table

RTC-1325CV/ RTC-1530CV/ RTC-2040CV



Feature

- Y axis with double motor driving ensures stable and smooth movement of the machine.
- High precision rack gear transmission ensures fast speed and high accuracy.
- Imported linear square guide rail ensures high accuracy and maximum work load.
- Adopt vacuum system, made by advanced international technology, configured with vacuum pump of strong absorption, can absorb different size materials.
- Humanized design of vacuum table with T-slot and clamps, can absorb or clamp the material, the operation is convenient.
- Intelligent protection of working table can avoid damage resulted from the wrong operation. Intelligent overrunning protection can avoid mechanical collision when set graphic exceeds processing size.
- Automatic lubrication system fulfills the periodic lubrication maintenance just by one single touch.

Application

- This kind of machine is widely used in 3D carved plates with wave patterns, cabinet door, solid wooden door, craft wooden door, non-painting wooden door, screen, craft windows, computer desk and the panel furniture auxiliary processing etc.

Technical Parameters

Machine Model	RTC-1325CV	RTC-1530CV	RTC-2040CV
Working size (mm)	1300x2500	1500x3000	2000x4000
Max engraving speed	12000mm/min		
Resolution	± 0.08mm		
Spindle power	3KW /4.5KW/6KW HQD air cooling spindle (HSD Italy optional)		
Inverter	5.5KW /7.5KW Delta inverter		
Motor and driver	Stepper motor		
Spindle speed	6000-180000rpm		
Tool diameter	φ3.175, φ6, φ12.7		
Transmission	XY high precision rack gear, Z ball screw Height 180mm		
X,Y, Z guide rail	Square linear rail		
Rail	Taiwan Hiwin brand 20		
Controller	DSP A11		
Tools	woodworking tools one set, advertising tools one set		
Dust collector	3KW (optional)		
Machine table	PVC working table / Vacuum working table		
Vacuum pump	7.5KW with double impeller (Optional, for vacuum working table)		
Typeset software	Artcam		
Working voltage	3 phase AC380V/ 50HZ, combine with single phase 220V		
Packaging	Standard wooden case (plastic package if necessary)		
Warranty	One year (spindle motor is half year; the blades, sensor, power cable are expendables, not included)		



Bal screw_High working efficiency

- Balls are rotating inside the Ballscrew nut to offer high working efficiency.
- It is easy to transmit linear motion into rotation motion.

Automatic lubrication

- The lubrication time period can be set in the software, to ensure the accuracy of transmission system, operator just need to set up the time break in the software and keep the oil container full.



Broche HSD Italy

- Power S1/S6: 3Kw/6Kw
- Connection type: Collet ER32
- Rated voltage: 380V
- Rated speed: 18.000 rpm
- Max speed: 18.000rpm
- Rotation: Right

Rack & Pinion System _ YYC

- Ensure the transmission high precision, high speed and high stability.



DSP control system

- DSP A11

Linear Guideway

- The PMI linear guideway is a design of rolling motion with a low friction coefficient, and the difference between dynamic and static friction is very small.
- Therefore, the stick-slip will not occur when submicron feeding is making.



Options



Dust reducing device



Vacuum pump

Machine working samples



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Machine image for reference only, subject to real product.

