

CE SGS



**RAPTORTECH<sup>®</sup>**

**CNC Router with PVC Table**

RTC-1325C/ RTC-1530C/ RTC-2040C



## Feature

- Welded structure by thick profiled steel, stabilized under high temperature, ensures minimum distortion, excellent rigidity and powerful strength.
- Y axis with double motor driving ensure stable and smooth movement of the machine.
- High precision rack gear transmission ensures fast speed and high accuracy.
- Optimized mechanical and electrical design with well-selected brand parts minimizes breakdown rate.
- Spindle with high power enables powerful cutting strength.
- Function of continuous working at stop point by power failure.
- Vacuum adsorption device is optional.

## Application

- Efficient manufacturing of wooden products, advertising billboard, acrylic cutting, letter mold forming and mass cutting. Also the machine can engraving iron, brass, aluminum, plastic and wood boards and the non-metal materials.

## Technical Parameters

Machine Model	RTC-1325C	RTC-1530C	RTC-2040C
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 )		



### Ball 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



## SOTUMA DECO

ADD: 111 Av. Mustapha Mohsen Borj Louzir 2083 Ariana\_TUNISIA

TEL: +216 70 69 48 88

FAX: +216 70 69 48 55

WEB: [www.sotuma.tn](http://www.sotuma.tn)

E-MAIL: [contact@sotuma.tn](mailto:contact@sotuma.tn)

Machine image for reference only, subject to real product.

