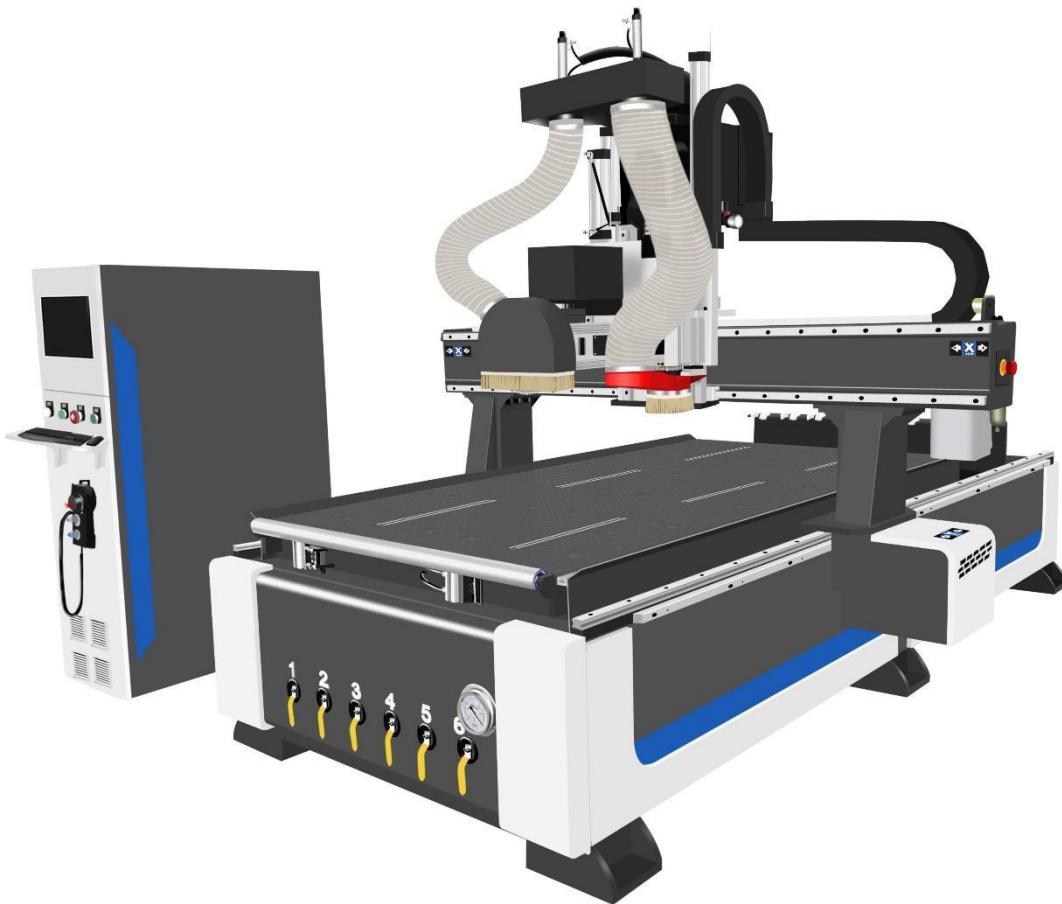




Rapid 12R CNC Router & Saw



Castaly's Woodworking CNC Machine are perfect for:

- Three-dimensional wood processing
- Cupboard doors
- Wooden doors
- Window processing
- Video game cabinets
- Furniture processing
- Plastic processing
- Wood and plastic engraving



CASTALY INDUSTRIES CORP.

637 VINELAND AVE, LA PUENTE, CA 91746

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E-mail: maxcnc@castalymachine.com Website: www.castaly-cncmachine.com



General Information

Model # RAPID-X-SU-12R	ISO 30 Spindle 408: \$51,990 / 510: \$53,990 / 612: \$57,990 USD
FOB L.A. California, USA	HSK 63 Spindle 408: \$56,490 / 510: \$58,490 / 612: \$62,490 USD
Payment Terms	Tooling, rigging, freight & sales taxes are not included
Warranty	50% deposit, 50% balance before ship
Delivery time	One year
General specs	To confirm with sales
	1. Machine Gantry X Axis square rails Parallel vertical accuracy 0.001" (0.03mm)
	2. Y Axis square rails Parallel vertical accuracy 0.001" (0.03mm)
	3. Z Axis ball screw Parallel vertical accuracy 0.001" (0.03mm)
	4. Machine Re-position accuracy 0.001" (0.02mm)
	5. Machine working accuracy 0.004" (0.10mm)
	6. Grating ruler travel accuracy 0.002" (0.05mm)

Features

- ❖ **Universal 7.5 HP Saw Blade rotates from 0 to 135 Degrees by Servo.**
- ❖ **Automatic 12 Tools linear type auto tool changer at rear table for increased productivity.**
- ❖ All "servo motor" driving system: All axes are driven by brush-less type, high torque AC servo motors.
- ❖ DSP CNC controller is set up to accept standard G-code programming formats along with on board conversational applications.
- ❖ An optional CAD/CAM system can create and edit programs then send to machine for easy cutting. DXF files can be imported, modified, and edited from here to create G-code.
- ❖ DNC is no longer required as the PC directly stores all part programs in a text editable file.
- ❖ Machine designed ready for 3-D cutting usage and superior performance.
- ❖ Moving gantry construction for space saving.
- ❖ The rigid steel frame construction has been stressed relieved prior to finish machining to provide repeatability and accuracy.
- ❖ Automatic frequency brake for the spindle allows rapid deceleration resulting in faster tool changes.
- ❖ Linear guides and sliding blocks are pre-loaded with recirculation bearings to ensure maximum rapid traverse and precision.
- ❖ The X & Y axis are equipped with a precision rack & pinion driving system. The Z axis utilizes a ball screw assembly complete with the pre-loaded and ground screw for long life and optimum accuracy.



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Technical data

1-	Control system	Syntec 60CB Control System
2-	Router Spindle	9.0kW (12hp) air cooled spindle 6,000 - 24,000 rpm
	Saw Blade	5.5kw, 300 mm Dia. Rotates 0 to 135 Degrees
3-	Bed frame	Heavy duty metal welding
4-	Table	Vacuum table 6 zones
5-	Driving system	Servomotor and driver
6-	Y axis driving system	Helical rack & pinion
7-	X & Z axis driving system	Hiwin ball screw (Taiwan)
8-	Axis square rail	Hiwin linear square rail (Taiwan)
9-	ATC	Rear Linear 12 tools, ISO30, ER32
10-	Inverter	11 kW
11-	Electric parts	Schneider (France)
12-	Limit switch	Omron (Japan)
13-	Electrical wiring	Siemens (Germany)
14-	Control Switch	Moeller (Germany)
15-	Lubrication	Hand control with aluminum oil pipe
16-	Machine working size	408 :51'' (X) x 98'' (Y) x 11-3/4'' (Z) 510 :63'' (X) x 126'' (Y) x 11-3/4'' (Z) 612 :75'' (X) x 174'' (Y) x 11-3/4'' (Z)
17-	Machine Size (L x W x H)	408 :87'' (X) x 122'' (Y) x 71'' (Z) 510 :99'' (X) x 149'' (Y) x 71'' (Z) 612 :111'' (X) x 197'' (Y) x 71'' (Z)
18-	Max Travel speed	2,350 IPM
19-	Max working speed	1,100 IPM
20-	Machine Power	3phase, 220V, 52A
21-	Machine net Weight	408: 3,960 lbs 510: 4,800 lbs 612: 6,300 lbs
22-	Tool length device	Automatic
23-	Vacuum pump	Option
24-	CAD/CAM software	Option

Feel Free to contact us if you have any technical question or OEM/ODM project, we have solutions for all your needs!



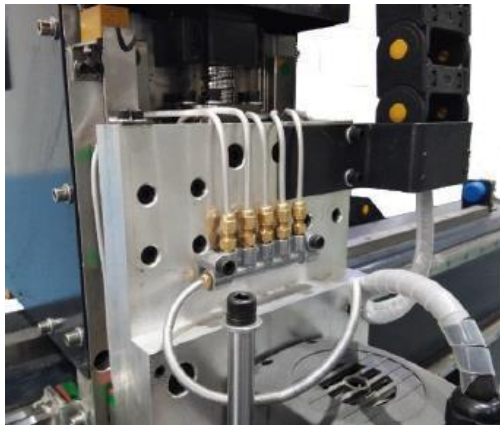
9.0 kW spindle



Saw Head



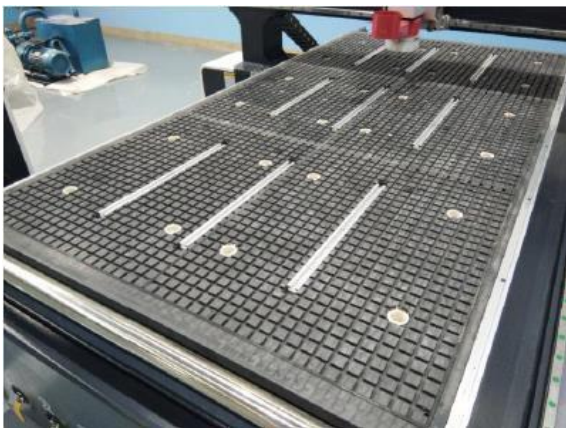
Electric cabinet



Lubrication system



Rigid frame



6 zones Vacuum table



12 tools rear ATC



Syntec Control

