



Twin CNC 408/510



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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General Information

FOB L.A. California, USA 408: \$83,690 USD/ 510: \$89,900 USD	
Payment Terms Warranty Delivery time	Tooling, rigging, freight & sales taxes are not included
	50% deposit, 50% balance before ship
	One year
	To confirm with sales
General specs	
	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

- ❖ High efficiency: double work tables alternate processing, automatic switching, automatic feeding.
- ❖ Safety: equipped with infrared protection system, artificial bounds, automatically suspended, automatic processing.
- ❖ Automatic 12 Tools rotary type auto tool changer 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 setup to accept standard G-code programming formats along with on board conversational applications.
- ❖ 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 stress relieved prior to finish machining to provide repeat-ability 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 control system
2-	Twin table	Two full size working zone table
3-	Spindle	9.0kW (12.8Hp) HSD air cooled spindle 6 000-24 000 rpm (Italia)
4-	Bed frame	Heavy duty metal welding
5-	Table	Two Vacuum table with 6 zones each
6-	Driving system	Yaskawa servo drive and motor (Japan)
7-	Y axis driving system	Helical rack & pinion
8-	X & Z axis driving system	Hiwin ballscrew (Taiwan)
9-	Axis square rail	Hiwin linear square rail (Taiwan)
10-	ATC	Rotary 12 tools ISO30, ER32
11-	Inverter	11 kW
12-	Electric parts	Schneider (France)
13-	Limit switch	Omron (Japan)
14-	Electrical wiring	Siemens (Germany)
15-	Control Switch	Moeller (Germany)
16-	Lubrication	Automatic control with filter
17-	Machine working size	408 :51'' (X) x 98'' (Y) x 7-3/4'' (Z) 510 :63'' (X) x 126'' (Y) x 7-3/4'' (Z)
18-	Machine Size (L x W x H)	408 :98'' (X) x 256'' (Y) x 71'' (Z) 510 :110'' (X) x 311'' (Y) x 71'' (Z)
19-	Max Travel speed	2 350 IPM
20-	Max working speed	1 100 IPM
21-	Machine Power	3phase, 220V, 52A
22-	Machine net Weight	408: 7 720 lbs 510: 8 910 lbs
23-	Tool length device	Automatic
24-	Vacuum pump	Option
25-	DrillBank	Option HSD 9 tools drillbank
26-	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!**



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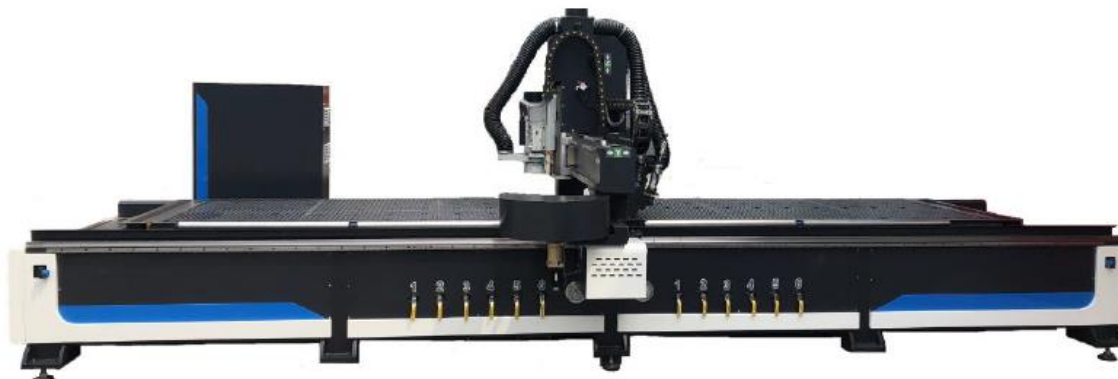
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9.0 kW spindle



Syntec 6MB control



Twin table system



6 zones Vacuum table



12 tools linear ATC