



Universal 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
- ❖ Door processing



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General Information

FOB L.A. California, USA 408: \$88,700.00 USD / 510: \$92,400.00 USD	
Payment Terms Warranty Delivery time	Tooling, rigging, freight & sales taxes are not included
	50% deposit, 50% balance before ship
	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)	

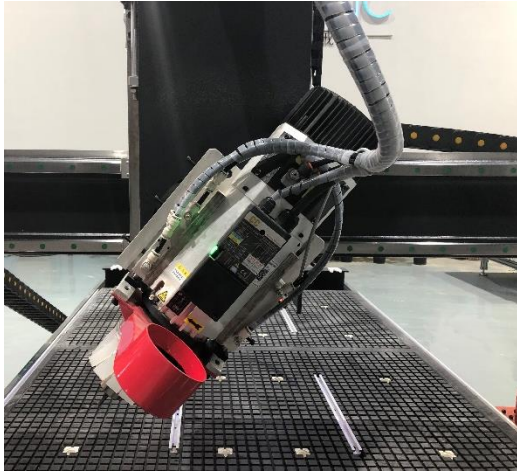
Features

- ❖ 4 Axis universal router head for 3D production
- ❖ All "servo motor" driving system: All axes are driven by brush-less type, high torque AC servo motors.
- ❖ Syntec CNC controller is setup to accept standard G-code programming formats along with on board conversational applications.
- ❖ Optional CAD/CAM system can create and edit part programs then send to machine for easy cutting. DXF files can be imported, modified and edited from here to create a G-code.
- ❖ 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 prismatic 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.

Technical data

1-	Control system	Syntec 6Mb
2-	Vertical Spindle	HSD 9.0kW (12.8 Hp) air cooled spindle (Italia)
3-	Bed frame	Heavy duty steel welding
4-	Table	6 zones vacuum table
5-	Driving system	Yaskawa Driver and servomotor 850W
6-	Y axis driving system	Helical rack & pinion
7-	X & Z axis driving system	Hiwin ballscrew (Taiwan)
8-	4 th axis	360 degrees movement
9-	ATC	Rear linear with 8 tools ISO30, ER32
10-	Axis square rail	Hiwin linear square rail (Taiwan)
11-	Inverter	11kW
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 aluminum oil pipe
17-	Machine working size	408: 51" (X) x 98" (Y) x 24" (Z) 510: 63" (X) x 122" (Y) x 24" (Z)
18-	Machine Size (L x W x H)	408: 98" (X) x 122" (Y) x 98" (Z) 510: 110" (X) x 134" (Y) x 98" (Z)
19-	Max Travel speed	2350 IPM
20-	Max working speed	1100 IPM
21-	Machine Power	3phase, 220V, 53A
22-	Machine net Weight	3750 lbs
23-	Tool length device	automatic
24-	Vacuum pump	Option
25-	CAD/CAM software	Option

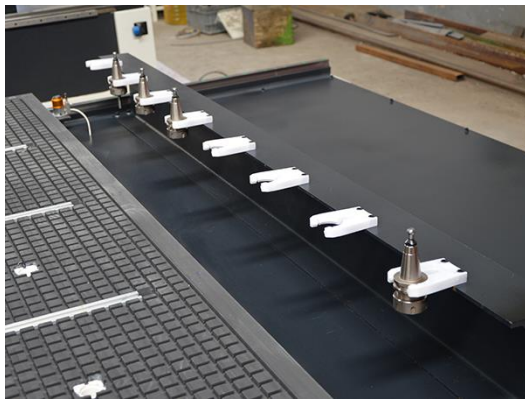
Feel Free to contact us if you have any technical question or OEM/ODM project, we have solutions for all your needs!



4th axis spindle



Syntec 6MB control



8 tools linear ATC



Tool length measuring system



6 zones vacuum table



Automatic lubrication system