

CabinetMaker CNC

World Class Industrial CNC Routers



CabinetMaker Q4.8

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The CabinetMaker CNC has been painstakingly designed and developed by CWI Woodworking Technologies to be the ultimate production CNC for woodworkers and cabinet manufacturers looking to increase their production efficiencies and profit at the same time!

The CabinetMaker CNC has the quality, performance, and value to get the job done. By purchasing a CabinetMaker CNC you are installing a single machine which will replace multiple stations such as the existing sheet cutting station, shelf drilling station, dado station, and drawer slide/handle drilling station, greatly increasing productivity while reducing floor space requirements.



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Like all CNC built by CWI, the CabinetMaker CNC will offer better performance, world class components, quality, and features than any competitive machine in its class. We offer this model in both 4' x 8' and 5' x 10' models.

The foundation of the 4 x 8 machine is a 3500 pound very heavy duty welded steel floor model frame. The Bakelite vacuum table with t-slot tracks is then mounted to the steel frame for an excellent working surface with plenty of options for the use of hold down jigs and vacuum clamping.

The German made, Becker 200 cubic meter per hour vacuum Pump, (300 CMH on 5 x 10) offers plenty of holding power to keep parts in place while machining. To operate the vacuum zones, the CabinetMaker has a simple push button electrical panel for ease of operation. Under the frame the CabinetMaker comes with six heavy duty adjustable feet to make sure of a solid footing on the shop floor, but as an option for those looking for mobility, heavy duty casters are also included.

The massive gantry rides on extremely accurate helical rack and pinion and linear guide ways for each of "X", "Y" and "Z" movements. The gantry movement is powered by Yaskawa servo motors and controllers for a cutting speed of up to 700 inches per minute and a travelling speed up to 1500 inches per minute.

The router spindle is a high quality Italian made HSD brand 9kw (12HP) three phase motor which comes with 10mm, 20mm, 3/8" and 1/2" high precision ER32 collets.



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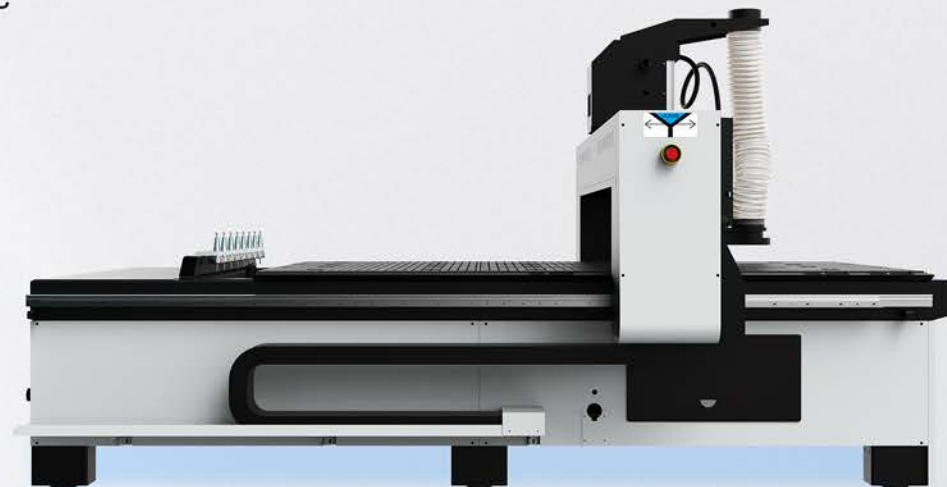
The CabinetMaker CNC offers 12" of "Z" travel while providing up to 10.5" of machining height which is extremely helpful for the occasional solid wood machining most shops encounter.

At the rear of the vacuum table is the linear tool holder with eight holder positions for the ISO30 chucks and tooling. Also near the tool holders is a tool changing station and wrench for quick and easy changes of tooling. A tool measuring device is also a key feature to allow quick measurements on new loaded tools.

The machining area of the 4 x8 model is 49 1/4" x 97 1/2" and the 5 x 10 model working area is 61 3/4" x 121 1/2", both with a gantry clearance height of 12". For ease of machining we include a set of six pneumatic reference pins which allows the operator to quickly and accurately locate the work piece in the same home position every time. No mistaking where your router bit will find the work piece.

For operation of the machine we include the simple and easy to use NC60A controller with 27" monitor screen on a separate operations stand.

The control box full of German CSA contactors, fuses and holders, Delta Inverter, Omron safety switch controls, and Yaskawa Servo controls.



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The overhead dust collection assembly is extremely well designed for efficiency and ease of use. The dust hood itself features pneumatic adjustment when making automatic tool changes but also offers the unique feature of a floating head so the hood will self-adjust to the height of the cutting tools. This completely avoids the dust hood applying extra pressures on the work piece when using shorter tooling. The hood has a 6" inlet with an attached 6" hose to an upper dust connection point to keep hook up to the shop dust collection a simple and out of the way task.

For great space savings and ease of maintenance the CabinetMaker houses all its electrical and vacuum controls under the frame of the machine.

The CabinetMaker CNC is fully CSA certified for use in Canadian commercial applications or anywhere users need higher quality electrical protection.

Options:

- Working Area 4' x 8' or 5' x 10'
- Rotary Fourth Axis Tool Changer
- Single Phase Electrics
- Software
- Tooling
- Delivery and installation
- Training



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Machine Specifications:

Working size: 49 1/4" x 9.7.5" x 10.5"

12 HP (S1) HSD Italian ATC Industrial Air Cooled Spindle

Pneumatically Controlled Floating Vacuum Hood (6" Port)

8 Positions Linear Tool Holder Magazine (10 position Linear on 5 x 10)

Automatic Tool Measuring System w/Pneumatic Clean Device

ISO30 Tool Holders (Three Included w/machine)

ER32 Collets (1/4", 1/2" 3/8" and 20mm Included with machine)

Tool Holder Wrench

Convenient Tool Changing Station

T-Slot Bakelite Vacuum Table w/Four Push Button Zone Control (6 Zones on 5 x 10)

Becker 200 cm/h Vacuum Pump (300 cm/h on 5 x 10)

NC60A Control System (Extremely Easy Functions)

Under Frame Electronics Cabinet w/Key Lockable Door

USB Information Transfer Ports

Yaskawa Servo Drivers and Motors (Two in "Y" and One each in "Z" and "X")

Very Reliable Mechanical Homing System with Limits Control

Japanese Omron Limit Micro Switches

DELTA Three Phase Motor Inverter

SHIMPO Servo Gear Reducers

Helical Rack & Pinion on X&Y Axis

Precision Ball Screw Z Axis

Robust Cable Holding Carrier Rated for over 300,000 bends

Traveling Speed 125ft/min

Working Speed 60ft/min

Siemens CSA Contactors and Breakers

Siemens CSA Disconnect w/Safety Lockout

THK Linear Rails

Six Pneumatic Reference Locator Pins (for aligning work piece)

3PH 220V 60HZ (Phase Converter Available for Single Phase Operation)

CSA Certification

Floor Space 72" x 126"

90" x 133" x 84" Plywood Crate



Starting from \$53,999.95

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