# MachMotion

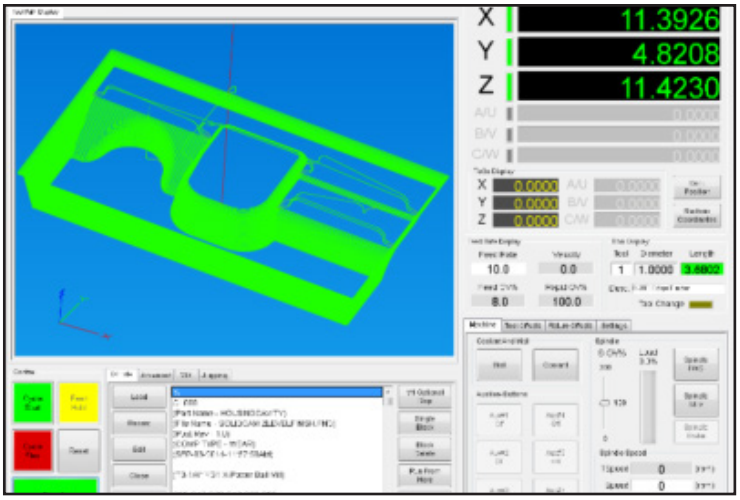
## CONTACT OUR TEAM TODAY

## Industrial Motion Control

- Large 17” display showing real-time, virtual tool-path
- Rugged steel control enclosure; dust/liquid resistant
- Closed-loop, DSP Ethernet motion controller
- Perfect for industrial manufacturing, sign makers, wood working

## Control Software Features

- Easy to use Windows-style one page navigation
- Standard Fanuc-style G-code programming; use your existing CAD/CAM
- Adjustable block look-ahead 0-10,000
- Subroutine and macro B programming; user configurable M-codes



## Tool Management

- Automatic tool changer with Rack or Carousel/ Umbrella
- Multiple spindle tool offsets
- Intuitive tool length library - 126 tool offsets

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## Whats Included

Pre-wired Enclosure

Spindle Control with VFD

Tool Setter | Wi-Fi | Touch Screen | MPG Pendant | Rotary Axis

## Options

- Ready to bolt on, pre-wired enclosure for your system
- CNC spindle control with VFD ("spindle drive") up to 125HP
- Tool Setter
- Wi-Fi ready
- Touch Screen
- MPG Pendant
- Rotary Axis

## AC Servo Motor Options

- Digital AC system accelerate and decelerates faster than vintage DC analog servo systems
- Yaskawa servos with 20bit encoder
- Teco servos with 10k count encoder (We are the North American distributor for Teco servo products)
- Steppers Motor and drives

YASKAWA

TECO ELECTRO DEVICES CO., LTD.

## Easy to Install/Operate

- MachMotion turnkey installation services, Guaranteed Power-up available
- Install yourself or use MachMotion's qualified technicians
- One-time setup; Easily backup machine configuration
- Part File Import; Network access via Ethernet to offices/other departments

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## CNC ROUTER MACHINE CONTROL

### FREE Control Support Included

- No charge for control support
- Remote login service included; we can see what you see
- Non-transferable
- One year warranty on all parts

### Our Guarantee

- Customer service and support is priority #1
- Direct seller; we're your single source for sales and support, no middle man
- US-based manufacturing, sales, service, and support
- Call us and speak to a live person, M-F 8-5 pm (Central)

### Router Control Retrofits Servo w/ Teco (Rack Tool Changer)

- Router Control Retrofits Servo w/ Teco (Rack Tool Changer)

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## We've Got You Covered!

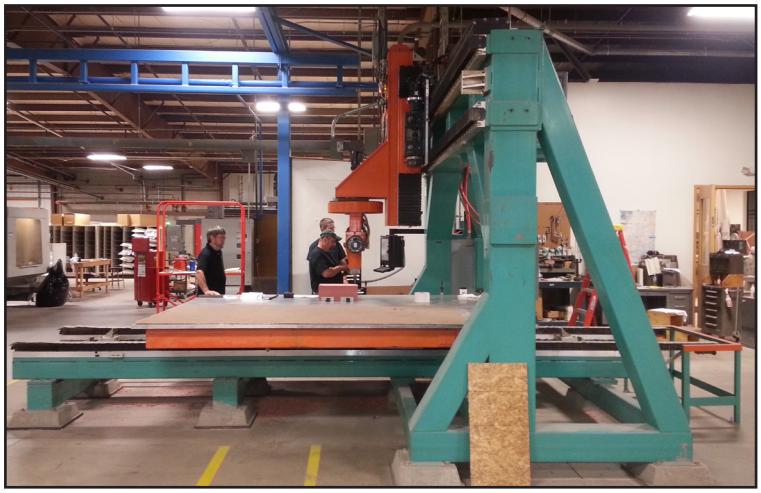
### Customer Examples

Thermwood

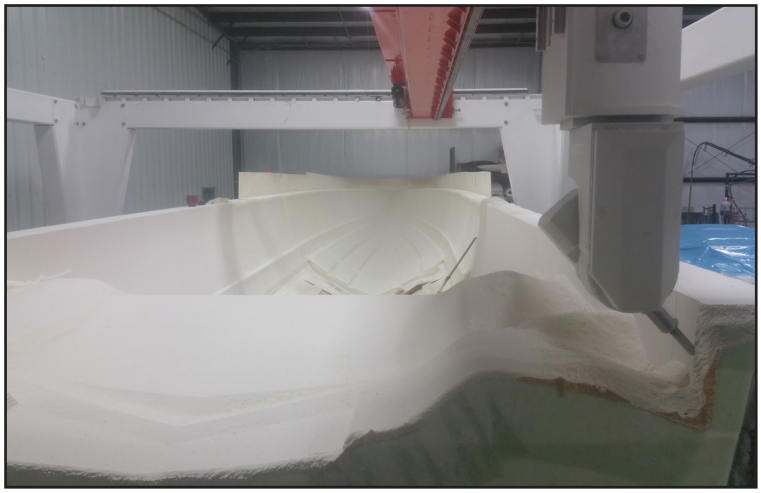
C.R. Onsrud Dual Table CNC Router

98C12 C.R. Onsrud Tool Changer CNC Router

5 Axis ASI CNC Router



5 Axis ASI Router Yaskawa Servos



PAR CNC Router 5 Axis Routing a boat haul

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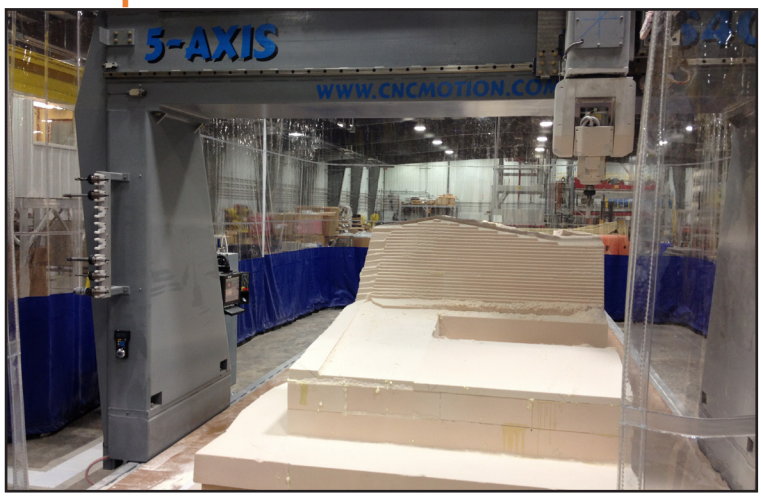
## CNC ROUTER MACHINE CONTROL

### Customer Examples

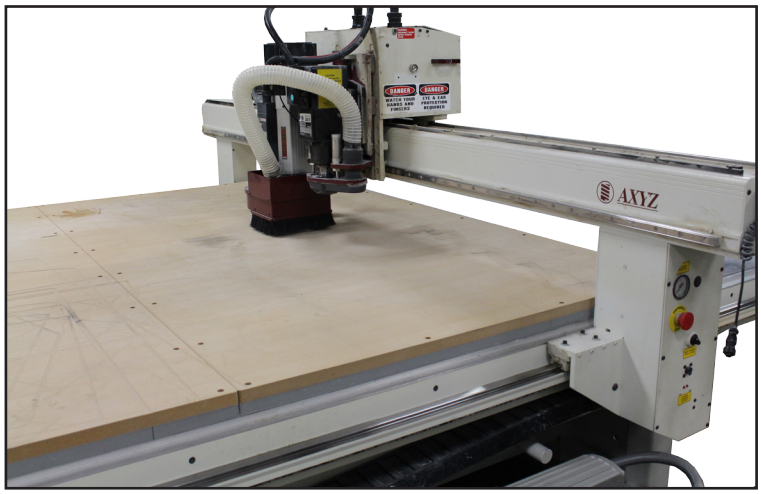
CNC AutoMotion 5 Axis CNC Router MachMotion.



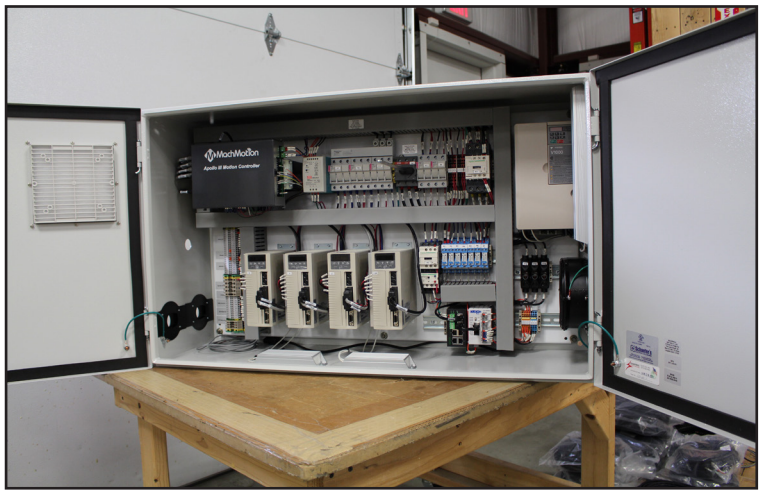

CNC AutoMotion 5 Axis Gantry Mill

CNC AutoMotion 5 Axis Router

Large Aluminum Cutting CNC Router




2 Spindle AXYZ Router Retrofit



Industrial Router Drive Enclosure

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## Product Details

| | |
|---|---|
| Kit Model Number | 1150R-X4-3243-0700 |
| Control Series | 1050R |
| Screen Size | 17" LCD Monitor |
| Touch Screen | Yes |
| Program Storage (Solid State HD) | 64GB |
| Processor | Intel Celeron 3.9 GHZ |
| Block Processing Time | 1.5ms |
| Easy Cut Path programming using CAD/CAM | Yes |
| Dual Table Options | Optional |
| Tool Changer type | Carousel/Umbrella |
| Axis Supported | 6 & 1 Spindle |
| Servo Motors Included (# Axis) | Teco(5) |
| Default Servo Size | 750/1000W 2.4NM/4.5NM |
| Servo Encoder Resolution | 10,000 Counts per rev |
| Main Power Voltage | 230V Single or 3 Phase |
| Inputs | 16 |
| Outputs | 8 |
| Ethernet I/O For Tool changer | 8/8 I/O |
| Spindle Relay Outputs | 2 |
| Spindle Analog Output | 1 |
| Spindle Drive (VFD) Inculded | 10HP |
| Pre-wired electrical enclosure included | Yes |
| 1 year warranty on parts | Yes |
| Lifetime Technical Support | Yes |
| Remote support via the internet | Yes |

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## Product Details

| | |
|---|---|
| Estimated Installation | Call for Quote |
| Normal Stock item | Avg lead time 3 weeks |
| CNC Control Size | 24" (W) X 15.5" (H) X 6.5" (D) |
| Operating System | Windows |
| Power Requirements | 110-240 VAC operation |
| Keyboard | Waterproof, impervious to most anything including coffee and cleaning solutions. |
| Mouse | Trackball |
| Ethernet | Connect to your network and easily transfer files from the office to your computer |
| USB Ports | 1 External USB Port + 1 Internal |
| Operator Panel | X15-10-01 Operator Panel, with Jog Buttons, Axis Selector, Increment Selector, Jog Speed Selector, Cycle Start, Feed-hold and Emergency Stop Buttons. |
| Available Power Supply Outputs | 5VDC, 12VDC & 24VDC |
| Digital Outputs | 8 Flood/Mist, Coolant, Lamp, etc. |
| Digital Output Voltage Range | 5V-24VDC |
| Digital Inputs | 16 Example: X, Y, & Z Limit Switches, Oilier Refill Warning, etc. |
| Digital Input Voltage Range | 2.5V-48VDC |
| Safety Features | Opto-isolated I/O & Hardwired E-Stop |
| Encoder Inputs | 6 Differential Quadrature Encoder Inputs. 32-Bit Resolution |