

MachMotion

CNC ROUTER MACHINE CONTROL

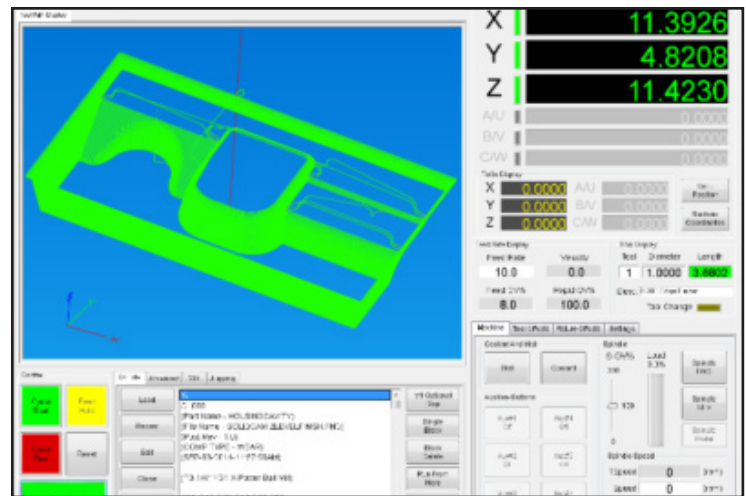
Industrial Motion Control



- 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



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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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 Stepper



Router Control Retrofits Stepper

- CNC Router controls w/ stepper motors start at \$7,297

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We've Got You Covered!
Customer Examples



Thermwood



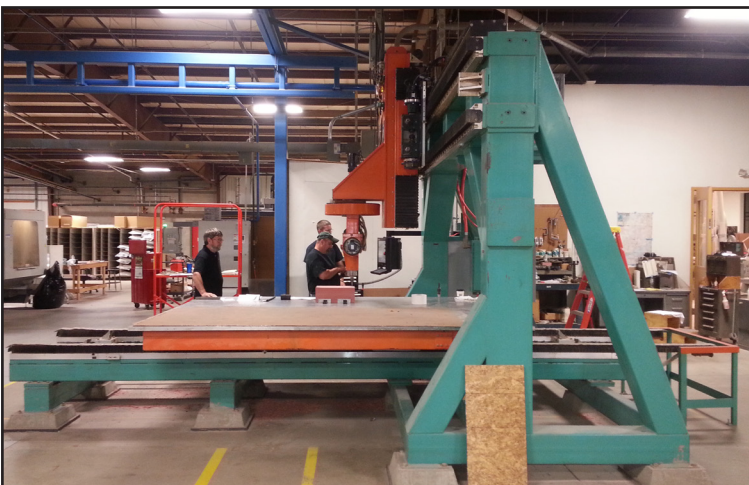
C.R. Onsrud Dual Table CNC Router



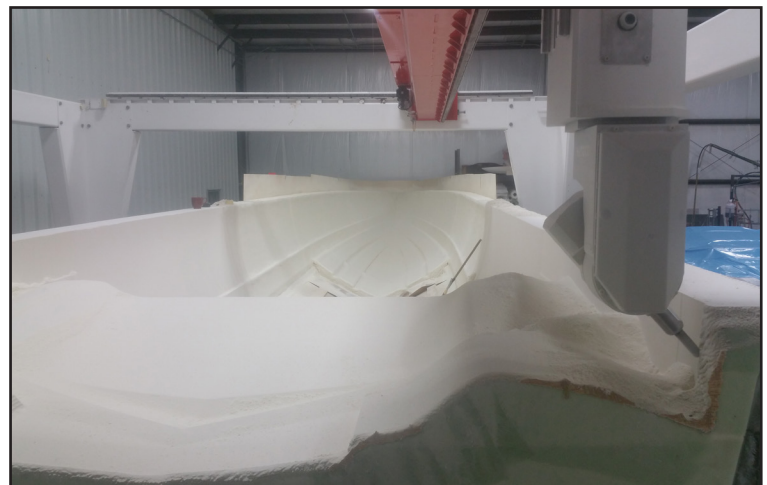
98C12 C.R. Onsrud Tool Changer CNC Router



5 Axis ASI CNC Router



5 Axis ASI Router Yaskawa Servos



PAR CNC Router 5 Axis Routing a boat hull

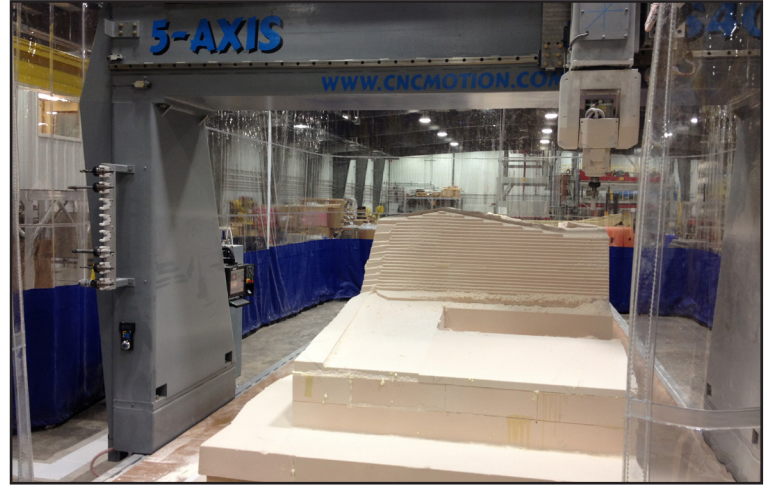
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Customer Examples



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 XYZ Router Retrofit



Industrial Router Drive Enclosure

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Product Details

Kit Model Number	1050R-X4-6143-0700
Control Series	1050R
Screen Size	17" LCD Monitor
Touch Screen	No
Program Storage (Solid State HD)	64GB
Processor	Intel Celeron 2.0 GHZ
Block Processing Time	7.5ms
Easy Cut Path programming using CAD/CAM	Yes
Dual Table Options	No
Tool Changer type	No Tool changer
Axis Supported	4 & 1 Spindle
Servo Motors Included (# Axis)	Stepper (4)
Default Servo Size	1290 OZ
Servo Encoder Resolution	N/A
Main Power Voltage	230V Single Phase
Inputs	16
Outputs	8
Ethernet I/O For Tool changer	No
Spindle Relay Outputs	2
Spindle Analog Output	1
Spindle Drive (VFD) Inculded	5 HP
Pre-wired electrical enclosure included	No
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
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

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CONTACT OUR TEAM TODAY



Router Control Retrofits Stepper Sample Quote for Router controls w/ stepper motors

Item

Description

QTY

Price

Item	Description	QTY	Price