

MachMotion

MILL CONTROL

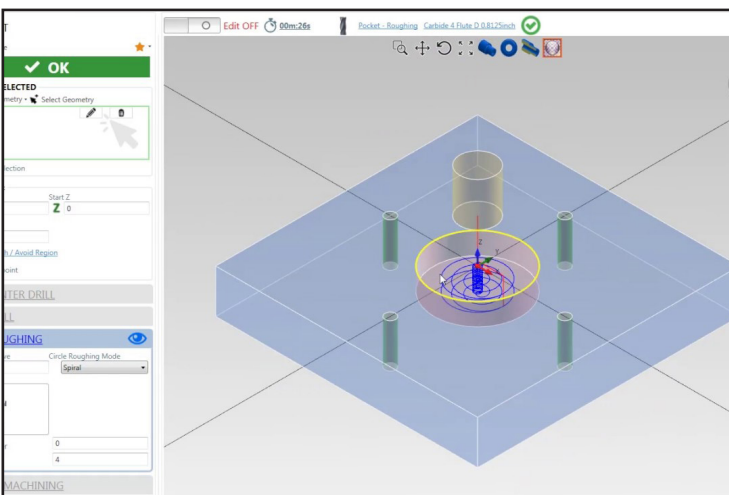
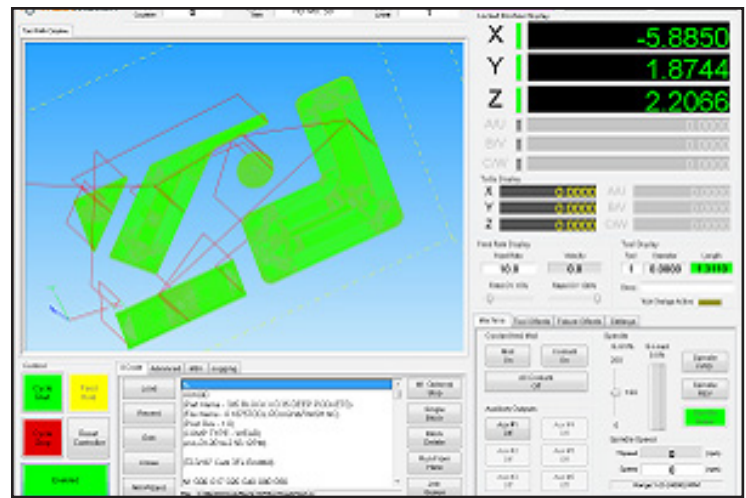


Industrial Motion Control

- Configurable for any size knee mill, bed mill, (VMC/HMC) vertical or horizontal machining center, and large horizontal boring mill
- Large 17" display showing real-time, virtual tool-path
- Rugged control enclosure; dust/liquid resistant
- Closed-loop, DSP Ethernet motion controller
- Perfect for industrial manufacturing, job shops, etc...

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

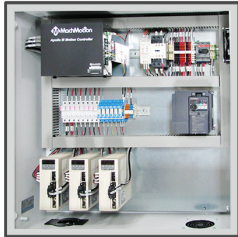


Alexsys - Conversational Assistant

- Integrated conversational programming software
- 3D solid simulation; basic CAD tools
- DXF/DWG CAD drawing import
- 2D machining; drilling, facing, pocketing, engraving, tapping
- Available off-line programming

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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
- Retrofit existing rotary axis
- AC spindle motors - inverter duty, fan cooled

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)

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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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)



Bridgeport-size knee mills

- Bridgeport-size knee mills w/ Teco servos



Large horizontal boring mills

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We've Got You Covered!
Customer Examples



Bridgeport EZ Trak Knee Mill



Hurco Hawk 5



Bostomatic Bed Mill



Sharp High Speed VMC



Fadal 4020 VMC

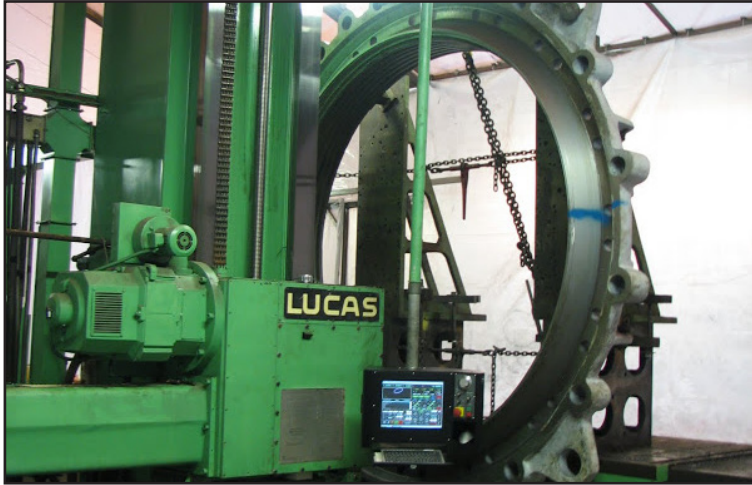


Bridgeport VMC 1000

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Customer Examples



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Bostomatic Bed Mill



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Fadal 4020 VMC



Bridgeport VMC 1000

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Product Details

Kit Model Number	KT-1150M-HBM
Control Series	1150M
Screen Size	17" LCD Monitor
Touch Screen	Yes
Program Storage (Solid State HD)	64GB
Processor	Intel I3 3.50 GHz
Block Processing Time	1.5ms
Macro B Programming	Yes
Conversational Programming Included	Yes
Axis Supported	6 & 1 Spindle
Servo Motors Included (# Axis)	Teco(4)
Default Servo Size	5.5KW 35NM
Servo Encoder Resolution	17-bit
Main Power Voltage	440V 3 Phase
Inputs	16
Outputs	8
ATC-Auto Tool Changer PLC	Yes - Ethernet PLC 30/26 I/O + 2 Anlg In
Spindle Relay Outputs	2
Spindle Analog Output	1
Spindle Drive (VFD) Inculded	40Hp
Pre-wired electrical enclosure included	71X63X20 Floor Mount
Ball screw Mapping	Yes
Manual Conversion Kit	N/A
1 year warranty on parts	Yes
Lifetime Technical Support	Yes



Product Details

Remote support via the internet	Yes
Estimated Installation	Call for Quote
Normal Stock item	Avg lead time 4 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	X15-10-04 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
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