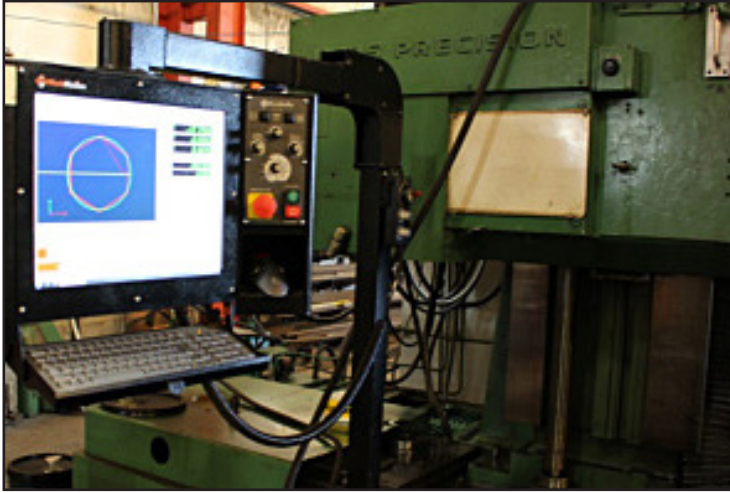


# MachMotion

## MILL CONTROL

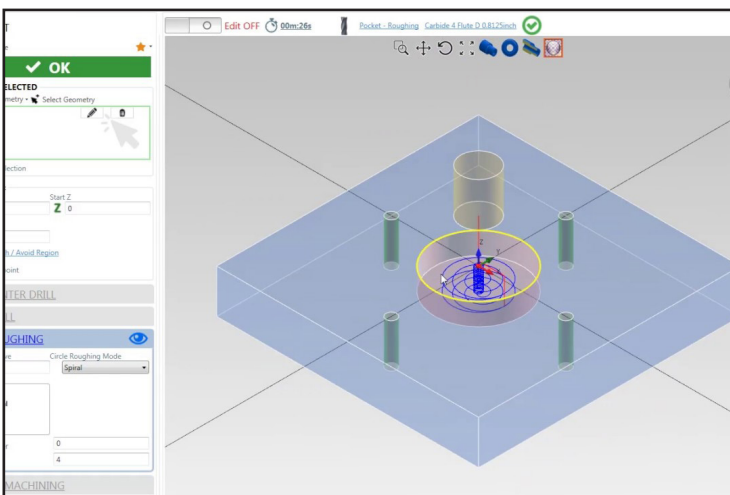
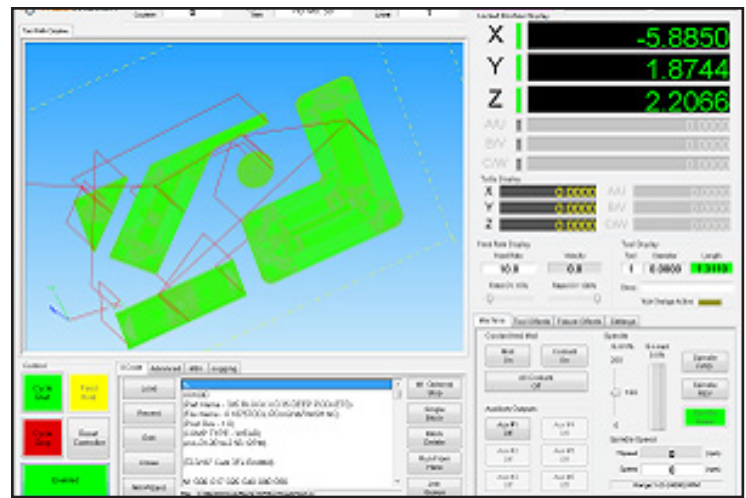


### Industrial Motion Control

- 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



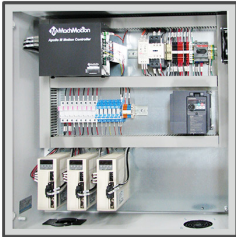
### Alexsys - Conversational Assistant

- 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

# MachMotion

## Whats Included

### Options



Pre-wired Enclosure



Spindle Control with VFD



Tool Setter



Wi-Fi



Touch Screen



MPG Pendant



Rotary Axis

- 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

# MachMotion

## MILL 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)



### Bridgeport-size knee mills



- Bridgeport-size knee mills w/ Teco servos

### Bridgeport-size knee mill

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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

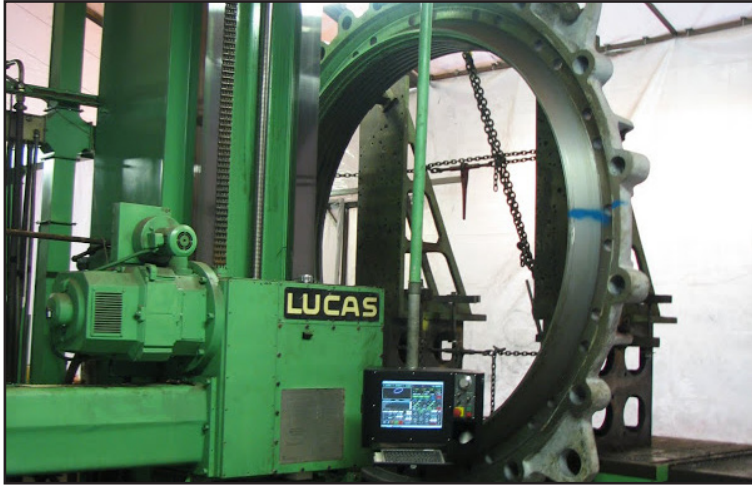


Bridgeport VMC 1000

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## MILL CONTROL

### 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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## Product Details

Kit Model Number	KT-1050M
Control Series	1050M
Screen Size	17" LCD Monitor
Touch Screen	No
Program Storage (Solid State HD)	64GB
Processor	Intel Celeron 2.00 GHz
Block Processing Time	7.5ms
Macro B Programming	No
Conversational Programming Included	Yes
Axis Supported	4 & 1 Spindle
Servo Motors Included (# Axis)	Teco(3)
Default Servo Size	750W 2.4NM
Servo Encoder Resolution	10,000
Main Power Voltage	230V Single Phase
Inputs	16
Outputs	8
ATC-Auto Tool Changer PLC	No
Spindle Relay Outputs	2
Spindle Analog Output	1
Spindle Drive (VFD) Inculded	No
Pre-wired electrical enclosure included	No
Ball screw Mapping	No
Manual Conversion Kit	Not Included
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	Yes
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

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## CONTACT OUR TEAM TODAY



### Bridgeport-size knee mill

## Sample Quote for Bridgeport-Size Mill

Item	Description	QTY	Price
1050M-X4-6132-0700	CNC Control includes: <ul style="list-style-type: none"> <li>1050M CNC control w/ 17" screen</li> <li>Apollo III Ethernet motion controller</li> <li>Alexsys - Integrated conversational programming assistant</li> </ul>	1	
DMT-075	750W AC Servo Drive/Motor Kit	3	
CKT-075-05M	5M Motor Cable Set	3	
CCT-DF-15	Control to Drive cables – 15ft	3	
	Back-Mount Control Arm	1	
Total:			\$6,998.61
Options:			
X15-20-01	Handheld MPG Pendant		\$407
100089 Kit	Wi-fi Adapter		\$89
EN12-30-30-B	Pre-wired Electrical Enclosure		\$1895
FR-D720-100-NA KIT	CNC Spindle Control, 3HP VFD		\$475
	Macro B Programming Upgrade (Industrial License)		\$570
	Touchscreen Upgrade		\$295