

# MachMotion

## CNC TURNING MACHINE

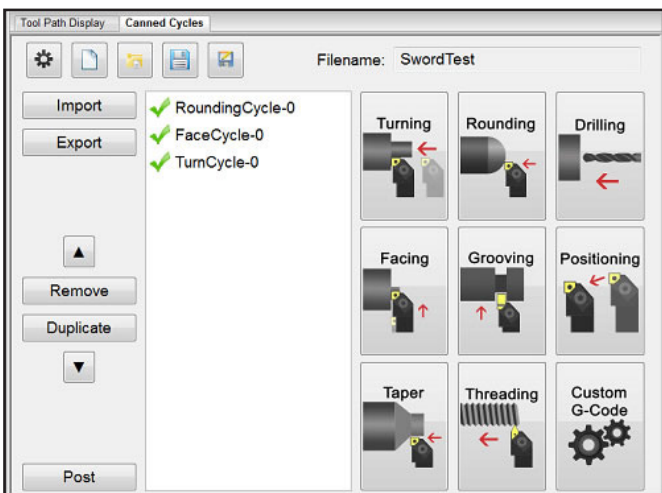
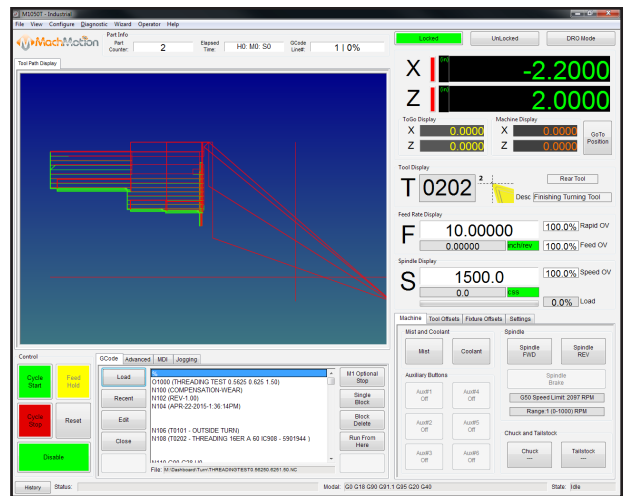


### Industrial Motion Control

- 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

- Intuitive Windows-style navigation Learn More...
- Standard Fanuc-style G-code programming; use your existing CAD/CAM
- Popular G-Codes G99, G98, G41-G42, G96, G76
- ATC Electronic or Hydraulic, up to 2 Turrets Front, Back
- Subroutine and macro programming; user configurable M-codes



### Integrated Canned Lathe/Turning Cycles Wizard

- Intuitive graphical interface for creating common operations: Turning, Rounding, Drilling, Facing, Grooving, Taper, Threading, Positioning, Custom Gcode
- Saved as job file; Add, remove, or modify any operation at any time.
- Import and export operations; Reuse common features in all your parts
- All operations visualized in operation tree; Change order or disable any operations

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## Whats Included



Pre-wired Enclosure



Spindle Control with VFD



Touch



Wi-Fi



MPG Pendant

### Options

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

### 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**
- Install yourself with MachMotion Remote support team standing by
- One-time setup - Easily backup machine configuration
- Part File Import: Network access via Ethernet, to offices/other departments

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## CNC TURNING MACHINE



### 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

### Why MachMotion?

- 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)



### Lathe Control Retrofits Manual Tool Post

- Lathe Control Retrofits Manual Tool Post



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We've Got You Covered!  
Customer Examples



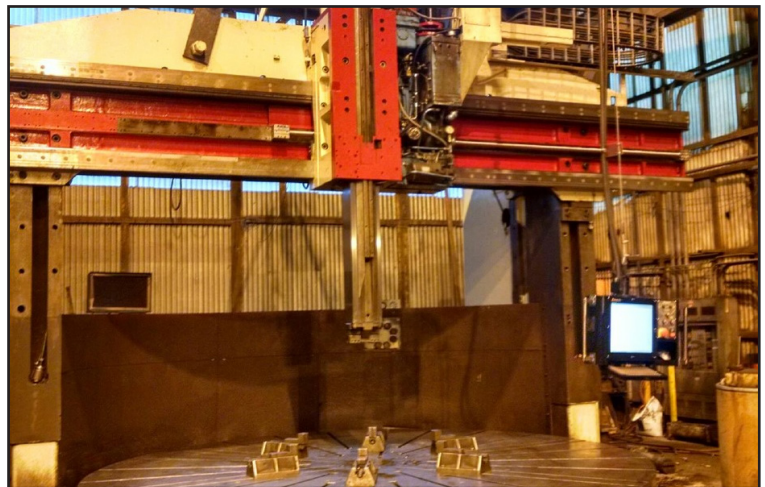
Emco Turn 242



Lebond Regal 19 Flat Bed Lathe\_M4



1998 Cincinnati Falcon 300



VTL Turning Center



VTL Vertical Turning Lathe



Large Thread Cutting VTL



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## CNC TURNING MACHINE

### Customer Examples



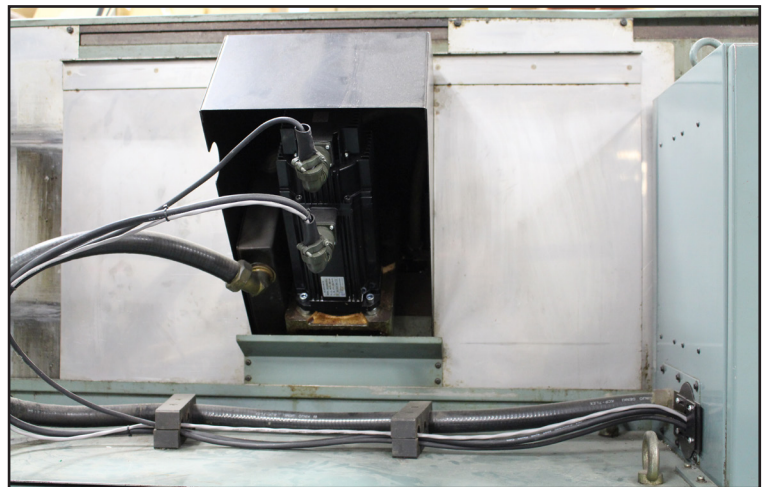
Mori Seiki SL3 Lathe-Turning Center



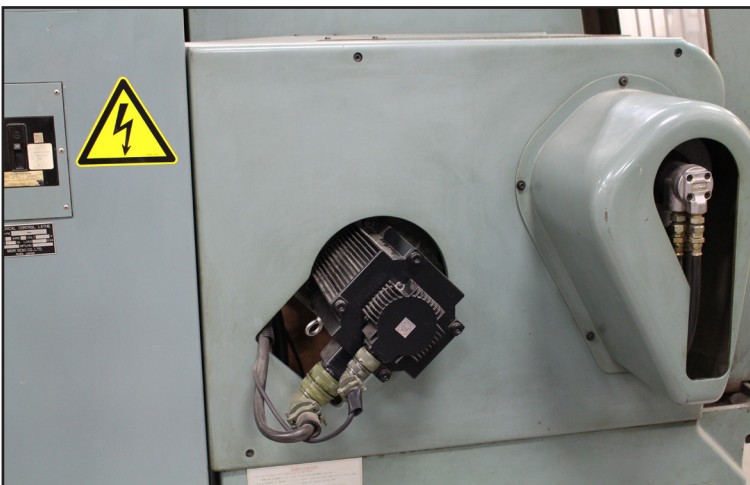
Mori Seiki SL3 Slant bed Lathe



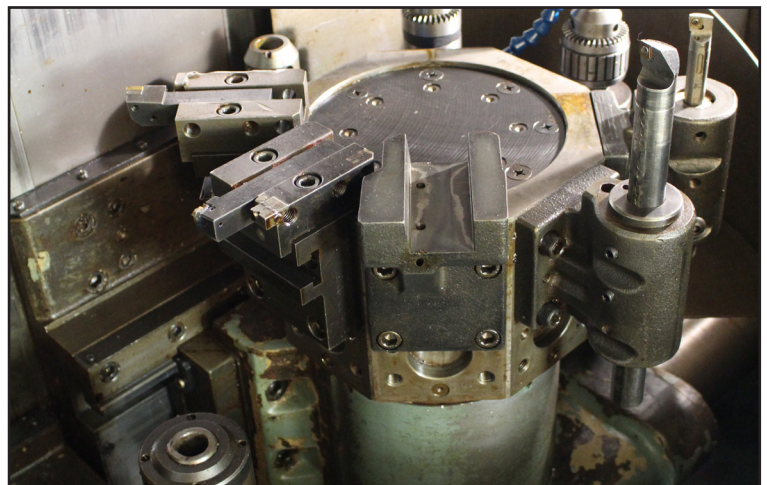
Mori Seiki Conversational Canned



10 Mori Seiki SL3 X Axis Servo



Mori Seiki SL3 Z Axis Servo



Mori Seiki Automatic Tool Turret

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## Product Details

Kit Model Number	KT-1150T-X4-MTP
Control Series	1150T
Screen Size	17" LCD Monitor
Touch Screen	No
Program Storage (Solid State HD)	64GB
Processor	Intel I3 3.50 GHz
Block Processing Time	1.5ms
Conversational Programming Included	Yes
Axis Supported	2 & 1 Spindle
Servo Motors Included (# Axis)	Teco(2)
Default Servo Size	750/1000W 2.4/4.5NM
Servo Encoder Resolution	10,000 Counts per rev
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
1 year warranty on parts	Yes
Lifetime Technical Support	Yes
Remote support via the internet	Yes
Estimated Installation	Call for Quote
Normal Stock item	Avg lead time 3 weeks

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## 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	X15-10-01 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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## CNC TURNING MACHINE



### Sample Quote for Standard tool room lathe with manual tool post

Item

Description

QTY

Price