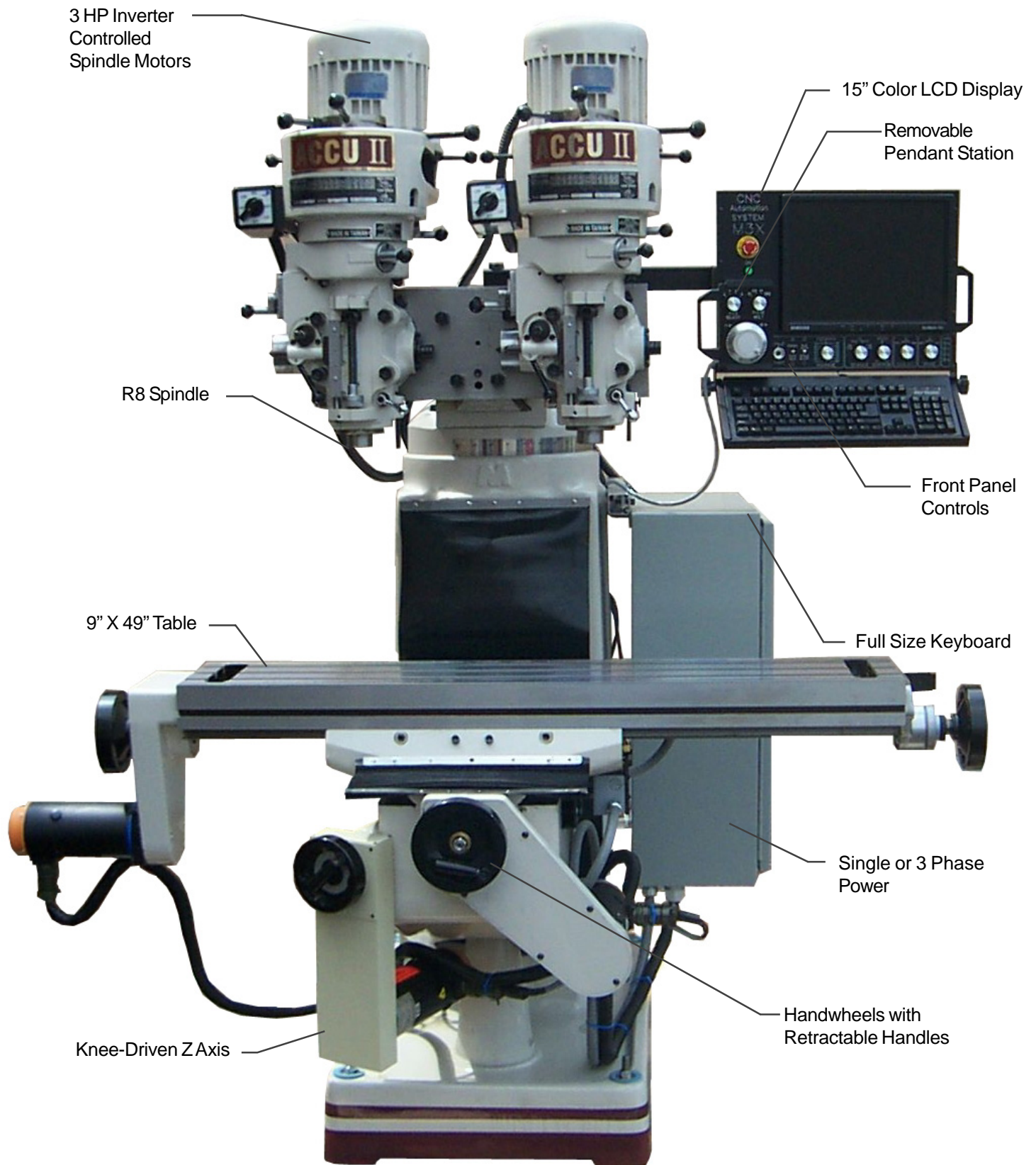


# System M3X-2S Twin

Versatile design. Solid support.



**CNC Automation, Inc.**  
**800-449-9411**  
**www.cncauto.com**

# MODEL M3X-2S Twin

Table Size	9" X 49"	Spindle Motor	2) 3 HP, Inverter Controlled
Long Travel	32"	Spindle Speeds	65- <b>5,400</b> RPM
Cross Travel	12"	Number of Speeds	Infinitely Variable
Vert Travel	14"	Spindle Taper	R-8
Distance Between Spindles (Nominal)	16"	Head Swivel	90°
Max. Distance Spindle to Table	18 3/4"	Head Tilt	45°
Min. Distance Spindle to Table	2 3/4"	Quill Dia.	3 -3/8"
Min. Distance Spindle to Column	5"	Quill Travel	5"
No of T-Slots	3	Net Weight	2700 lbs.
Size of T- Slots	5/8"	Dimensions ( W-L -H)	64" X 48" X 85"
		Standard Equipment:	Way Covers, Auto. Machine Lube, Auto. Spray Mist Coolant.

Options: Synchronous 4th Axis W/ Horizontal/Vertical Rotary Table, 3-D Machining CAM Software, Quick Change Tooling.

## System M3X Specifications

### Programming

- Automatically runs EIA RS-274D Standard G & M Code Programs
- FANUC® Compatible Programming
- Backlash Compensation
- Complete Program Edit Capability
- MDI Operation, Auto, Single Block, Jog, Home
- Full Canned Cycle Support G81-G89
- Subprogramming Support M98, M99
- Inch/Metric Programming Modes G70, G71
- Absolute & Incremental Programming G90, G91
- Scaling G50, G51
- Mirror Image about X, Y Axis G11-G14
- Spline Interpolation G06
- CW/CCW Circular Interpolation G02, G03
- Fixture Offsets G54-G59
- Cutter Diameter Compensation G40, G41, G42
- Tool Length Offsets G43, G44, G49

### I/O

- RS-232C Bi-Directional Serial Port
- Floppy Diskette
- Parallel Printer Port
- Fixed Disk Drive

### Electrical

- 208 Volts 3 Phase W/ Neutral and Ground **OR** 220 VAC Single Phase.

### Computer

- 32 bit Microprocessor
- 40 Gb. Hard Disk Storage
- 128 Mb. RAM Memory
- 3.5" Floppy Diskette Drive
- 15" LCD Color Display
- Enhanced Keyboard

### Display

- View Program While in Run Mode
- Large Character Manual DRO Feature
- Graphic Toolpath Verification

### Control Panel

- Feedhold Switch
- Single Block Switch
- Cycle Start Button
- E-Stop Switch
- Feedrate Override Control 0-150%
- Spindle Control Switch
- Spindle Speed Override Control
- Electronic Handwheel
- Coolant Control Switch \*

\* Optional Equipment

### Positioning

- Electronic Handwheel Jog
- Continuous Jog
- Incremental Jog (.0001" to 100")
- Minimum Programmable Increment .0001"
- Simultaneous 3-Axis Linear Interpolation up to 200 IPM. G01
- Helical Interpolation up to 200 IPM. G02/G03
- Rapid Positioning X, Y, Z 200 IPM G00

### Mechanical

- Overtravel Limit Switches
- Zero Reference Switches
- NEMA Electrics
- Full 3 Axis PWM DC Servo Drive System
- Zero Backlash Ballscrews on X, Y & Z Axes

### Accuracy

- Positioning Accuracy ± .0005" Over Saddle
- Repeatability ± .0002" Over Saddle
- Standard Control Resolution .0001 In.
- Standard Display Resolution .0001 In.

Visit our website at: [www.cncauto.com](http://www.cncauto.com)

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NOTE: We reserve the right to modify the design and/or specifications without notice.