



## ***EMI-400 3-Axis Knee Mill with Centroid M400 CNC Control***

*This machine is integrated and inspected here in Harleysville, PA. and is **Made in USA** compliant.*

### **Machine Features:**

- 10" x 54" Table
- 3HP EVS Head, 3-phase, 220/440V
- NST#30 Spindle material SAE4115 (SCM415) hardened & ground
- 32mm, oversized, precision ground ball screws on XY
- Box ways on Y-Axis and column
- Ram & column ways are ground
- Ground t-slots on table
- Hardened & ground quill
- Turcite is hand scraped for better accuracy and feel
- XYZ Home Switches
- Standard Work Light (see upgrade in options)
- Auto Lubrication System
- Rubber chip cover (front & rear)
- Coolant well and cable for coolant control
- Pre-Wired for flood and mist control
- Tool box and basic tools
- Leveling screws and foot plates included





### **Machine Specifications:**

Table:	10" x 54" (250 x 1370mm)
T-Slot No. x Size:	3 x 5/8" (3 x 15.87mm)
Longitudinal Travel:	32-5/8" (830mm)
Cross Travel:	15" (380mm)
Knee Travel:	14" (355mm)
Quill Travel (Z):	5" (127mm)
Ram Travel:	22" (560mm)
Table to Spindle Nose:	5-7/8" – 20-3/4" (150mm-528mm)
Swivel on Turret:	360 °
Swiveling Angle and Head (R & L):	90 °
Head Tilt (Up & Down):	45 °
Spindle to Column:	6-5/8" – 28-3/4" (168mm-730mm)
Spindle Motor:	3HP, 3-Phase, 220/440V
Spindle Taper:	NST #30
Spindle Speed:	60-4500RPM
Dimensions (LxWxH)	94" x 72" x 72"
Weight:	3080 lbs (1400kg)



## **Centroid M400 CNC DC Control, Software Version 3.14**

General Description: Simply the best choice for people who want both Conversational and G-Code programming capabilities. Windows 8, USB, Ethernet, Touch Screen, Full Key Board, Remote Support and Diagnostics and File Storage is Practically Unlimited.

### **Mill Software Pkg "A" Includes:**

Intercon Conversational Programming  
 Note Pad++ Context Sensitive G-Code Editor  
 4MB Part Program Size  
 Work Coordinates Systems (G54-59)  
 Cutter Compensation, Fanuc Style  
 Drill, Peck, Deep Hole Drilling Cycles  
 Compression Tapping  
 Thread Milling  
 Irregular Pocket Clean Out  
 Conversational Repeats and Arrays  
 Conversational Depth Repeats  
 Sub Programs and Macros, Fanuc Style  
 Programmable Multi Range Spindle Speed Control  
 4th Axis Software  
 Learn more details [www.centroidcnc.com/](http://www.centroidcnc.com/)

**Base Price ..... \$30,100.00**

### **Additional Options:**

Coolant System .....	\$400.00
Coolant Tray .....	\$300.00
Electronic Quill Handle.....	\$650.00
Power Drawbar Unit.....	\$785.00



Knee Lifting Motor w/Electrical Box (OEM) .....	\$900.00
Knee Summing.....	\$1,000.00
Dovetail Mounted "Miller Light" Bar w/3 Flexible Lights.....	\$440.00
Single Phase 220 Spindle Power.....	\$300.00
On-Site Training at customer's facility per day (Plus Travel Expenses) .....	\$995.00
Training at EMI's facility (6hrs) .....	Included

**Payment Terms:** 30% deposit and signed proposal due with order. 60% balance is due upon delivery to the end user, 10% balance is due Net-30 days from date of delivery to end user. The Centroid Control arrives to end user in "demo" mode. Permanent Centroid Control parameters will be released upon receipt of final 10% payment.

**Warranty:** 1-year parts only warranty

**Delivery:** In stock delivery, all price are FOB Harleysville, PA and are subject to change without notice. Prices do not include delivery, sales, use, occupational, license, excise, property, or similar taxes. All such fees are the responsibility of the user.

**Freight:** Buyer is responsible for all freight charges inbound/outbound. EMI has the necessary equipment and structure to load machine on to buyer's truck at dock or ground level. EMI can arrange rigging/delivery at the request of the buyer.

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Buyer Signature

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Date

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Company

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Purchase Order No.