



## ***EMI-1050B 3-Axis Bed 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
- 5HP EVS Head, 3-phase, 220VAC
- NST#40 Spindle material SAE4115 (SCM415) hardened & ground
- 32mm, oversized, precision ground ball screws on XY
- Box ways on Y & Z-Axis
- Ground t-slots on table
- Manually operated hardened & ground quill
- 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:

Working Surface	10" x 50" (254 x 1270 mm)
T-Slot Number, size	3, 5/8" (16 mm)
Table Load	1,320 lbs (600 kgs)

### Travel:

X Axis Max/Rapid	27.5", 700 mm / 200ipm
Y Axis Max/Rapid	20", 500 mm / 200ipm
Z Axis Max/Rapid	20.87", 530 mm / 200ipm
Max Spindle Nose to Table	5.31", 135 mm ~ 25.39", 645 mm
Spindle Center to Column Face	23.62" (600 mm)

### Spindle

Quill Diameter	4" (100 mm)
Quill Travel	5" (127mm)
Spindle Taper	CAT #40 (NST 40 Optional)
Spindle Speeds (variable)	50 ~ 5,000rpm
Power Quill Feeds (In/Rev)	0.0015", 0.003", 0.006" (0.15, 0.04, 0.008 mm)
Head Moves Right to Left	90°

### Motor

Spindle HP	5
X/Y/Z Axis Servo Motor	29 in-lb
Coolant Pump HP	1/8

### Power

Control	110V/1P/20A
Machine	230V 3 PH or 1PH, 20A (440V Optional, 10A)

### Dimensions

Machine Dimension (X x Y x Z)	72.44" x 78.74" x 100" (1840x2000x2540 mm)
Packing Dimension (X x Y x Z)	61.02" x 70.08" x 88.58" (155x178x225 cm)

### Weight

Net Weight	4,600 lbs (2,10 kgs)
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## **Centroid M400 CNC DC Control, Software Version 3.14**

General Description: This is simply the best choice for people who want both Conversational and G-Code programming capabilities. Windows 10, 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 ..... \$34,995.00**

### **Additional Options:**

Coolant System (Flood) - P/N: 006733.....\$500.00  
 Coolant Tray .....\$450.00  
 Column Splash Guard Set – P/N: 006223 ..... \$450.00  
 Power Drawbar Unit, USA Made, MAXI-Torque Rite (Recommended) P/N: 006168, \$850.00



Quill Summing – P/N: 004984.....	\$300.00
Single Phase 220 Spindle Power.....	\$350.00
Three Phase 440 Spindle Power.....	\$400.00
TT-1, Tool Touch-off kit with touch-off software – P/N: 006320.....	\$725.00
MPG, for use with Centroid Control MPU11, ONLY – P/N: 006905.....	\$325.00
Centroid Console Arm Extension Assembly – P/N: 006281.....	\$425.00
Probe Rack w/ Interrupter Switch – P/N: 006872.....	\$495.00
Electronic Manual Handwheels for X & Y – P/N: 007104.....	\$1,400.00
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  
 \_\_\_\_\_  
 Company

\_\_\_\_\_  
 Date  
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 Purchase Order No.