



# MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

## MODEL G0498 9" X 49" 3-AXIS CNC MILLING MACHINE

### Product Dimensions:

Weight..... 2376 lbs.  
 Width (side-to-side) x Depth (front-to-back) x Height..... 56-1/2 x 60-1/2 x 87-1/2 in.  
 Footprint (Length x Width)..... 37 x 24 in.

### Shipping Dimensions:

Type..... Wood Crate  
 Content..... Machine  
 Weight..... 2846 lbs.  
 Length x Width x Height..... 64 x 69 x 99 in.  
 Must Ship Upright..... Yes

### Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz  
 Prewired Voltage..... 220V  
 Full-Load Current Rating..... 7.6A  
 Minimum Circuit Size..... 15A  
 Plug Included..... No  
 Switch Type..... Toggle On/Off Magnetic

### Motors:

#### Main

Horsepower..... 3 HP  
 Phase..... 3-Phase  
 Amps..... 7.6A  
 Speed..... 1755 RPM  
 Type..... TEFC Induction  
 Power Transfer ..... V-Belt Drive  
 Bearings..... Shielded & Permanently Lubricated  
 Centrifugal Switch/Contacts Type..... N/A

### Main Specifications:

#### Operation Info

Spindle Travel..... 5 in.  
 Max Distance Spindle to Table..... 18 in.  
 Longitudinal Table Travel (X-Axis)..... 29-1/8 in.  
 Cross Table Travel (Y-Axis)..... 12-3/16 in.  
 Vertical Table Travel (Z-Axis)..... 14-1/2 in.  
 Ram Travel..... 18 in.  
 Head Tilt (Left/Right)..... 90 deg.  
 Drilling Capacity for Cast Iron..... 1-1/4 in.  
 Drilling Capacity for Steel..... 7/8 in.  
 End Milling Capacity..... 1 in.  
 Face Milling Capacity..... 5 in.

**Table Info**

Table Length.....	49 in.
Table Width.....	9 in.
Table Thickness.....	1.73 in.
Number of T-Slots.....	3
T-Slot Size.....	16 mm
T-Slots Centers.....	2-1/2 in.
Number of Longitudinal Feeds.....	Variable
X-Axis Table Power Feed Rate.....	0 – 23 FPM
X/Y-Axis Travel per Handwheel Revolution.....	0.200 in.
Z-Axis Travel per Handwheel Revolution.....	0.100 in.

**Spindle Info**

Spindle Taper.....	NT#30
Number of Vertical Spindle Speeds.....	Variable
Range of Vertical Spindle Speeds.....	50 – 5000 RPM
Quill Diameter.....	3.35 in.
Quill Feed Rates.....	276 in./min.
Drawbar Thread Size.....	19
Drawbar Length.....	25.1 mm
Spindle Bearings.....	Angular Contact Bearings

**Construction**

Spindle Housing/Quill.....	Chrome-Plated & Precision-Ground Steel
Table.....	Precision-Ground Cast Iron
Head.....	Meehanite Cast Iron
Column/Base.....	Meehanite Cast Iron
Base.....	Cast Iron
Paint Type/Finish.....	Urethane

**Other Specifications:**

Country of Origin .....	Taiwan
Warranty .....	1 Year
Approximate Assembly & Setup Time .....	45 Minutes
Serial Number Location .....	ID Label on Headstock
ISO 9001 Factory .....	No
Certified by a Nationally Recognized Testing Laboratory (NRTL) .....	No

**Features:**

- CNC Controller: Centroid M400s Complete
- Precision Ball Screws, C5 Class, Double Nuts for X & Y Axis, Single Nut for Z Axis
- Solid State Hard Drive, Floppy Drive, RS-232, USB and Ethernet Connections
- Operators Console 15" Display with Push Button Control Functions
- DC310, 3-Axis DC Servo Amplifier with integrated PLC for Control of Coolant, Lubrication and Spindle
- Servo Motors, Three 29 in./lb. DC with Encoder and Direct-Wired Motor Cables
- Software: Conversational, Cutter Radius Compensation, Drilling Cycles, Multi Range Spindle, G-Code Backplot
- Automatic Lubrication
- Chrome-Plated Precision-Ground Quill
- Turcite for X & Y-Axis, Meehanite Castings
- Multiple Knee, Table and Ram Locks for High Rigidity
- Hardened and Ground Column and Knee Ways
- Table Surface Hardened and Ground
- Work Lamp, Coolant System, Way Chip Protectors, Drawbar, Toolbox & Standard Accessories