



# MACHINE DATA SHEET

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

## MODEL G0618 3-AXIS CNC MILLING MACHINE w/12-POSITION ATC (AUTOMATIC TOOL CHANGER)

### Product Dimensions:

Weight .....	5280 lbs.
Length/Width/Height .....	85" x 61 1/2" x 96"
Foot Print (Length/Width).....	59 1/2" x 26"

### Shipping Dimensions:

Type .....	Wood Crate
Content.....	Machine
Weight.....	6506 lbs.
Length/Width/Height.....	100 1/2" x 67 1/2" x 88"

### Electrical:

Voltage .....	220V
Phase .....	3 Phase
Switch.....	Centroid™ M400
Recommended Circuit Size .....	30A
Recommended Plug/Receptacle .....	NEMA L15-30

### Motors:

#### Spindle Motor

Type.....	TEFC Induction
Horsepower .....	7 1/2 HP
Voltage .....	220V
Phase .....	3-Phase
Amps .....	18A
Speed .....	1725 RPM
Cycle.....	60 Hz
Power Transfer.....	HTD Belt Drive
Bearings .....	Shielded & Lubricated

### Main Specifications:

#### Table Information

Table Length .....	50"
Table Width .....	12"
Table Thickness .....	2 3/4"
Number of T-Slots .....	3
T-Slot Width.....	5/8"
T-Slot Height .....	1 1/4"
T-Slot Center-To-Center.....	2 1/2"
Stud Size .....	1/2"

## Operation Information

Longitudinal Table Travel .....	32 <sup>7</sup> / <sub>8</sub> "
Cross Table Travel .....	19 <sup>11</sup> / <sub>16</sub> "
Distance Spindle Center to Column .....	20 <sup>1</sup> / <sub>2</sub> "
Distance Range Spindle to Table.....	3 <sup>1</sup> / <sub>2</sub> "–25 <sup>1</sup> / <sub>2</sub> "
Number of Spindle Speeds .....	Variable
Range of Spindle Speeds .....	60–8000 RPM

## Spindle Information

Spindle Travel .....	22"
Spindle Taper .....	CAT-40
End Milling Capacity .....	1" @ 10mm Depth
Face Milling Capacity .....	4" @ 2mm Depth
Drilling Capacity for Cast Iron .....	<sup>7</sup> / <sub>8</sub> "
Drilling Capacity for Steel .....	<sup>5</sup> / <sub>8</sub> "
Spindle Bearings .....	P4 Class Angular Contact

## Construction Information

Table.....	Hardened & Precision-Ground Cast Iron
Base, Saddle & Column .....	Hardened & Precision-Ground Cast Iron
Headstock.....	Cast Iron
Paint .....	Urethane

## Other Specifications

Country of Origin.....	Taiwan
Warranty.....	1 Year
Serial Number Location .....	Machine ID Label on Front
Customer Assembly & Setup Time .....	4 Hours

## Features:

Centroid™ M400 CNC Controller  
15" LCD Display w/Push Button Control Functions, Solid State Hard Drive, Floppy Drive, RS-232, USB & Ethernet Connections  
Conversational Software, Cutter Radius Compensation, Drilling cycles, Multi-Range Spindle, G-Code Backplot Graphics, Engineering & Software Support  
DC310 3-Axis DC Servo Amplifier w/Integrated PLC for Coolant Control, Lube Controls, Spindle ON/OFF & Direction Controls.  
12-Position Auto Tool Changer  
Pneumatic Controllers  
Auto Lubrication  
C3 Grade High Precision Ball Screw for X-, Y-, and Z-Axis  
Turcite & Meehanite Castings  
Work Lamp  
Large Open Chip Tray  
Roller-Type Enclosed Vertical Chip Guard  
3-Axis Feed Motor  
Tool Box & Tools