



MACHINE DATA SHEET

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

MODEL G0499 10" X 54" 3-AXIS CNC MILLING MACHINE

Product Dimensions:

Weight..... 2882 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 58 x 65-1/2 x 87-1/2 in.
Footprint (Length x Width)..... 39 x 24 in.

Shipping Dimensions:

Type..... Wood Crate
Content..... Machine
Weight..... 3332 lbs.
Length x Width x Height..... 64 x 71-1/2 x 99 in.

Electrical:

Power Requirement..... 220V, 3-Phase, 60 Hz
Minimum Circuit Size..... 15A
Switch..... Toggle On/Off Magnetic
Switch Voltage..... 220
Plug Included..... No

Motors:

Main

Type..... TEFC Capacitor Start Induction
Horsepower..... 3
Voltage..... 220
Phase..... Three
Amps..... 7.6
Speed..... 1755
Cycle..... 60
Number of Speeds..... Variable, Numeric Co
Power Transfer V-Belt Drive
Bearings..... Shielded and Lubricated

Main Specifications:

Operation Info

Spindle Travel.....	6 in.
Swing.....	24 in.
Longitudinal Table Travel.....	31.88 in.
Cross Table Travel.....	15.15 in.
Vertical Table Travel.....	14 in.
Knee Travel.....	14 in.
Ram Travel.....	18 in.
Ram Swivel Angle.....	45 deg.
Head Tilt (Left-to-Right).....	90 deg.
Maximum Distance Spindle to Table.....	16.5 in.
Drilling Capacity for Cast Iron.....	1.25 in.
Drilling Capacity for Steel.....	7/8 in.
Number of Vertical Spindle Speeds.....	Numeric Control
Range of Vertical Spindle Speeds.....	50-5000 RPM
Number of Longitudinal Feeds.....	Numeric Control
Feed Rate.....	276 in./min.
Quill Diameter.....	4.13 in.
Quill Feed Rates.....	276 in./min.

Table Info

Table Length.....	54 in.
Table Width.....	10 in.
Table Thickness.....	2.67 in.
Number of T-Slots.....	3
T-Slots Width.....	16 mm
T-Slots Height.....	1.06 in.
T-Slots Centers.....	2.5 in.
Stud Size.....	1/2 in.

Spindle Info

Spindle Taper.....	NT40
Spindle Size.....	3.5 OD in.
Spindle Sleeve Diameter.....	4.13 OD in.
End Milling Capacity.....	1 in.
Face Milling Capacity.....	5 in.
Drawbar Diameter.....	21 mm
Drawbar TPI.....	5/8-11
Drawbar Length.....	25.9 mm
Spindle Bearings.....	Angular Contact Bearings

Lead Screw Info

Leadscrew Diameter.....	X, Y & Z 25 mm
Leadscrew TPI.....	5
Leadscrew Length.....	X65.5, Y30.2, Z13.2 in.

Construction

Spindle Housing/Quill.....	Steel
Table.....	Precision Ground Cast Iron
Head.....	Meehanite Casting
Column.....	Meehanite Casting
Base.....	Meehanite Casting
Paint.....	Urethane

Other Specifications:

Country Of Origin Taiwan
Warranty 1 Year
Serial Number Location Data Label on Headstock
Assembly Time 45 min.

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