



MACHINE DATA SHEET

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

MODEL G0403 BENCHTOP CNC ROUTER

Product Dimensions:

Weight 183 lbs.
Width (side-to-side) x Depth (front-to-back) x Height 24 x 36-1/2 x 27 in.
Footprint (Length/Width) 33-1/2 x 16-1/2 in.
Control Box Dimensions 12 x 13 x 5-1/2 in.

Shipping Dimensions:

Type Cardboard Box on Wood Pallet
Content Machine
Weight 221 lbs.
Length x Width x Height 44 x 30 x 35 in.
Must Ship Upright Yes

Electrical:

Power Requirement 110V, Single Phase, 60 Hz
Full-Load Current Rating 1.8A
Full-Load Current Rating (w/Optional Spindle Motor, Coolant Pump, & Rotary Axis Motor) 8.2A
Minimum Circuit Size 15A
Connection Type Cord & Plug
Power Cord Included Yes
Power Cord Length 79 in.
Power Cord Gauge 14 AWG
Plug Included Yes
Included Plug Type 5-15
Switch Type ON/OFF Switch w/Emergency Stop
Inverter (VFD) Type MK100-1S1.5G-DK
Inverter (VFD) Size 2 HP

Motor:

X-Axis Motor

Model 57BHH76-500A-24Bs
Frame Size NEMA 23
Amps 5A
Rated Speed 1500 RPM
Type Stepper
Power Transfer Direct
Step Resolution 5000

Y-Axis Motor

Model 57BHH76-500A-24Bs
Frame Size NEMA 23
Amps 5A
Rated Speed 1500 RPM
Type Stepper
Power Transfer Direct
Step Resolution 5000

Z-Axis Motor

Model..... 57BHH76-500A-24Bs
Frame Size..... NEMA 23
Amps..... 5A
Rated Speed..... 1500 RPM
Type..... Stepper
Power Transfer..... Direct
Step Resolution..... 5000

Spindle Motor (Optional T34438)

Model..... GDZ-80-1.5B
Type..... Induction
Horsepower..... 2 HP
Voltage..... 110V
Amps..... 5A
Speed..... 0 - 24,000 RPM
Number of Speeds..... Variable
Power Transfer..... Direct

Coolant Pump (Optional T34438)

Model..... SK-3200
Type..... Induction
Horsepower..... 75 Watt
Amps..... 0.7A
Rated Speed..... 3200 L/H

Rotary Axis Motor (Optional T34439)

Model..... 57BHH76-500A-24Bs
Frame Size..... NEMA 23
Amps..... 5A
Rated Speed..... 1500 RPM
Type..... Stepper
Power Transfer..... Direct
Step Resolution..... 5000

Main Specifications:

Axis Information

X-Axis Travel..... 13 in.
Y-Axis Travel..... 25-9/16 in.
Z-Axis Travel..... 7-1/16 in.
XY Rapid Speed..... 118 IPM
Z Rapid Speed..... 118 IPM

Construction

Table..... Aluminum Alloy
Body..... Steel/Aluminum
Paint Type/Finish..... Powder Coated

Cutting Information

XYZ Work Envelope..... 13 x 25-9/16 x 7-1/16 in.
Max Distance Spindle to Table..... 7-1/16 in.
Max Distance Spindle to Table (Gantry Raised)..... 10-1/16 in.
Cutting Accuracy..... +/-0.004 in.

Table Information

Table Length.....36 in.
Table Width.....15-3/4 in.

Other Related Information

Number of Leveling Feet.....4
Collet Type.....ER11
Controller.....DSP-J2

Other Specifications:

Country of Origin.....China
Warranty.....1 Year
Approximate Assembly & Setup Time.....1 Hour
Serial Number LocationMachine ID Label
ISO 9001 Factory.....Yes

Features:

Ball Screw Drive System w/XY-Axis Linear Guideways & Y-axis Guide Rails
Supports G-Code File Extensions: .tap & .nc
Steel Gantry Supports w/Adjustable Height for Larger Workpieces
Automatic Tool Setter
Anodized Aluminum Table
Trapezoidal Drive Mode
Adjustable Levelling Feet
Secondary Spindle Mount for 65mm Diameter Spindle
Includes ER11 Collet Sizes: 1/16", 1/8", & 1/4"

Recommended Accessories:

2 HP Water-Cooled Spindle Kit (Optional T34438)
4th-Axis Rotary Drive w/Tailstock (Optional T34439)
Laminate Trim Router w/Plunge Base (Optional T27139)