



MACHINE DATA SHEET

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

MODEL G0911 39" X 63" CO₂ LASER CUTTER 100W SINGLE-HEAD

Product Dimensions:

Weight 844 lbs.
Width (side-to-side) x Depth (front-to-back) x Height 66-1/2 x 91 x 42-1/2 in.
Footprint (length x width) 63 x 83 in.

Shipping Dimensions:

Type Wood Crate
Content..... Machine
Weight 1288 lbs.
Length x Width x Height..... 99 x 74 x 50 in.
Must Ship Upright Yes

Electrical:

Power Requirement 110V, Single-Phase, 60 Hz
Full-Load Current Rating..... 10.7A
Minimum Circuit Size 15A
Connection Type..... Cord & Plug
Power Cord Included Yes
Power Cord Length 59 in.
Power Cord Gauge 14 AWG
Plug Included Yes
Included Plug Type 5-15
Switch Type Digital Control Panel

Auxiliary Systems:

Water Chiller

Power Requirement..... 220V, Single-Phase, 60 Hz
Amps 10.5A

Exhaust Fan

Power Requirement..... 220V, Single-Phase, 60 Hz
Amps 4.2A

Motors:

X-Axis Motor

Frame Size NEMA 34
Amps 4.9A
Speed 0 - 1000 RPM
Type..... Stepper (Brushless, Permanent Magnet)
Power Transfer..... Belt
Step Resolution 1.8 deg. Per Step

Y-Axis Motor

Frame Size	NEMA 23
Amps	5.8A
Speed	0 - 1600 RPM
Type.....	Stepper (Brushless, Permanent Magnet)
Power Transfer.....	Belt
Step Resolution	1.8 deg. Per Step

Main Specifications:

Laser Information

Type.....	CO ₂
Wattage	100W
Source	Sealed Laser Tube
Wavelength.....	10,600 Nm
Focus.....	Manual
Cooling System	Water

Cutting Information

Cutting Area	39 x 63 in.
Cutting Speed	0 - 24,000mm/min. (945 in./min.)
Minimum Cutting Thickness	0.5mm (0.02 in.)
Maximum Cutting Thickness	20mm (0.8 in.)
Minimum Cutting Width	1mm (0.04 in.)
Maximum Cutting Width	2mm (0.08 in.)
Repeat Positioning Accuracy	+/-0.05mm (+/-0.002 in.)
Number of Heads	1

Table Information

Table Length	1000mm (39-3/8 in.)
Table Width	1610mm (63-3/8 in.)
Table Thickness	180mm (7 in.)
Table Adjustment	Motorized

Construction Materials

Table.....	Steel
Cabinet	Steel
Gantry.....	Aluminum
Paint Type/Finish.....	Enamel

Other Related Information

Number of Exhaust Ports	1
Exhaust Port Size.....	7 in.
Included Design Software	RDWorks

Other Specifications:

Country of Origin.....	China
Warranty.....	1 Year
Approximate Assembly & Setup Time	2 Hours
Serial Number Location	Machine ID Label
ISO 9001 Factory.....	Yes

Features:

- Digital Control Panel
- Omron Electronic Components
- Leadshine Stepper Motors
- Hiwin Guide Rails
- II-IV Optical Lenses
- Triple Filter System w/HEPA & Activated-Carbon Filtration
- Wi-Fi Enabled Controller
- RDWorks Software

Accessories:

Water Chiller System for Cooling Laser Tube
Exhaust Fan for Fume and Particulate Extraction