



# MACHINE DATA SHEET

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

## MODEL G0913

### 39" X 63" CO<sub>2</sub> LASER CUTTER 100W DOUBLE-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 <sub>2</sub>
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 .....	2

**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