



MACHINE DATA SHEET

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

MODEL G0917 35" X 51" FIBER LASER 2000W

Product Dimensions:

Weight 3307 lbs.
Width (side-to-side) x Depth (front-to-back) x Height 85 x 83 x 64 in.
Footprint (length x width) N/A

Shipping Dimensions:

Type Wood Crate
Content Machine
Weight 3748 lbs.
Length x Width x Height N/A
Must Ship Upright Yes

Electrical:

Power Requirement 220V, Single-Phase, 60 Hz
Full-Load Current Rating 56.4A
Minimum Circuit Size 60A
Connection Type Cord & Plug
Power Cord Included Yes
Power Cord Length 30 ft.
Power Cord Gauge 10 AWG
Plug Included Yes
Recommended Plug Type L6-30
Switch Type Digital Control Panel

Auxiliary Systems:

Water Chiller

Power Requirement 220V, Single-Phase, 60 Hz
Amps 18.3A

Exhaust Fan

Power Requirement 220V, Single-Phase, 60 Hz
Amps 3.5A

Motors:

X-Axis Motor

Frame Size NEMA 34
Amps 5.5A
Speed 0 - 3000 RPM
Type Servo
Power Transfer Ball Screw

Y-Axis Motor

Frame Size NEMA 34
Amps 5.5A
Speed 0 - 3000 RPM
Type Servo
Power Transfer Ball Screw

Z-Axis Motor

Frame Size NEMA 34
Amps 0.9A
Speed 0 - 3000 RPM
Type..... Servo
Power Transfer..... Ball Screw

Main Specifications:

Laser Information

Type..... Ytterbium Fiber
Wattage 2000W
Source IPG
Wavelength..... 1060 Nm
Focus..... Automatic
Cooling System Water

Cutting Information

Cutting Area 35 x 51 in.
Cutting Speed 0-40,000mm/min. (1575 in./min.)
Minimum Cutting Thickness 0.1mm (0.004 in.)
Maximum Cutting Thickness 16mm (0.63 in.)
Minimum Cutting Width 0.1mm (0.004 in.)
Maximum Cutting Width 0.5mm (0.02 in.)
Repeat Positioning Accuracy +/-0.02mm (+/-0.0008 in.)
Rapid Traverse Speed 40m/min. (1575 in./min.)
Cutting Acceleration 0.5G

Table Information

Table Length 52 in.
Table Width 36-1/4 in.
Table Thickness 3-1/2 in.

Construction Materials

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

Other Related Information

Number of Exhaust Ports 1
Exhaust Port Size 14 in.
Included Design Software CypCut
File Types Supported ai, bmp, dst, dxf, dxp, plt

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:

Ytterbium Fiber Laser
Touch-Screen CNC Controls
Panasonic &Yasakawa Servo Motors
Hiwin Guide Rails
Y-Axis Dual Ball Screw Design
CypCut Design Software

Accessories:

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