



Welding Automation PL-1100HW Laser Welding System

Integrated Solution on One Skid

- Panasonic Robot
- Servo Positioners
- Multiple Laser Source Options
- Choice of Process Head
- Autogenous, Hotwire, Coldwire, or Hybrid
- Single 480V Electrical Disconnect
- Chiller included on Separate Skid

Complete Safety Enclosure

- Class 1 Rating
- No Separate Structure
- Easy Installation
- Filtair® Fume Hood Standard, Filtration Units Available
- Designed to bolt to your floor and produce parts

All From Miller

- The right laser equipment for your application
- Process Expertise – see your parts welded before you buy
- Ongoing Support
- 24/7 Tech Hotline
- Proven PerformArc Reliability
- 1 Year Warranty



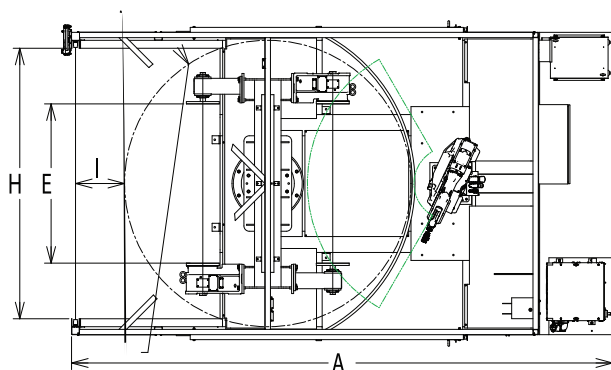
PL-1100HW Laser Welding System

Dimensional Specifications*

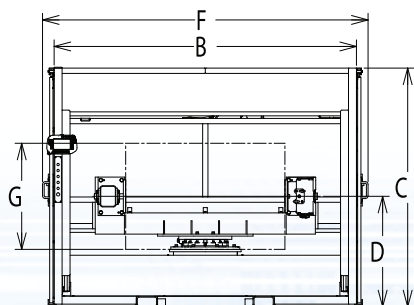
Frame length	A	5181.6 mm (204")
Frame width	B	2895.6 mm (114")
Frame height	C	2286 mm (90")
Outboard rotation CL from floor	D	1076.325 mm (42.375")
Headstock-tailstock span	E	1524 mm (60") D
Cell width including doors	F	3117.85 mm (122.75")
Fixture rotation diameter	G	864 mm (34")
Cell front opening (max)	H	2590.8 mm (102")
Penetration distance (stopping calculation)	I	469.9 mm (18.50")
Rotation diameter	J	2667 mm (108")
Shipping weight		3356.584 kg (7400 lb)

*Note: All dimensions are approximate.

Top View



Front View



Standard Specifications

Fully Integrated Miller Welding Automation Total Solution Includes:

Panasonic 8 kg arc welding robot
Panasonic latest generation 64 bit controller with TFT color display teaching pendant utilizing Windows® CE
High speed main indexing servo positioner
Secondary rotation axis servo positioner 500 kg (2)
Integrated operator interface (E-Stop, Auto, Servo On, Mode Select, Table Load/Unload, Start)
Fully integrated laser & optics per customer spec
Class I Laser safe-enclosure
Resume function, shifting functions, online help function

Positioner General Technical Specifications

Main sweep axis

Motor type	3.5 kW AC Digital Servo
Rotation time (180 deg index)	3.5 sec (not including shield actuation)
Through hole (for utility pass through)	120 mm (4.7")

Secondary axis (2)

Model	500 kg
Motor type	1 kW AC Digital Servo
Payload (per side)	500 kg (1100 lb)
Through hole (for utility pass through)	55 mm (2.16")



MillerWelds.com/automation

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