



**Miller**

## 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



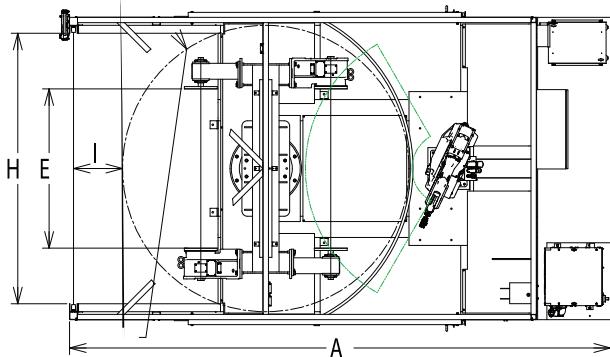
# PL-1100HW Laser Welding System

## Dimensional Specifications\*

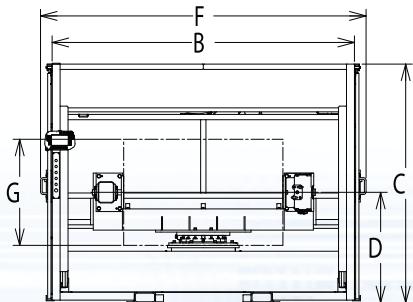
Frame length	A	5181.6 mm (204")
Frame width	B	2895.6 mm (114")
Frame height	C	2286 mm (90")
Outboard rotation CL from floor	D	1076.325 mm (42.375")
Headstock-tailstock span	E	1524 mm (60") D
Cell width including doors	F	3117.85 mm (122.75")
Fixture rotation diameter	G	864 mm (34")
Cell front opening (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](http://MillerWelds.com/automation)

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