



# Welding Automation

## PerformArc® 750S, 750SW

### High Productivity, Large Work Area

- This high-production system has a footprint of under 17' x 10' and allows for a second robot to be added, doubling throughput without requiring additional floor space. Easy-to-slide teach access doors keep the system slim and allow for tight stacking.
- Extremely large work area accepts larger weldments and allows progressive fixtures to be used to eliminate the need to rotate welds into position.
- The PA 750S and SW utilize standard Panasonic AC servo motors for high-performance indexing, load balancing and quick stopping.

### Easy to Relocate and Set Up

- Moving the PA 750 within your facility couldn't be easier. Our pre-engineered system with fully-welded frame allows you to simply disconnect the utilities, relocate and reconnect.
- A standard platen design with bolt and dowel holes provides repeatable fixture mounting when multiple fixtures are exchanged on the same work cell.

### FILTAIR® Weld Fume Extractor with Automation Hood

- Designed for the rugged demands of robotic industrial welding operations, the FILTAIR Automation solution integrates the FILTAIR Weld Fume Extractor with the Automation Hood, providing a custom-engineered fume extraction solution.

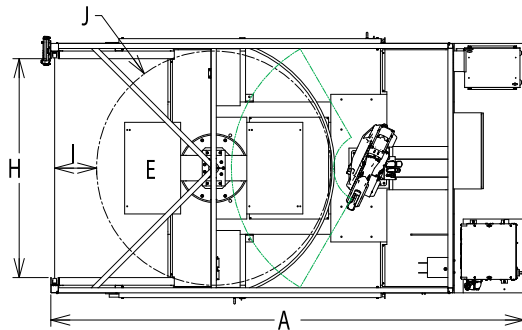


# PerformArc® 750S, 750SW Automation Solution

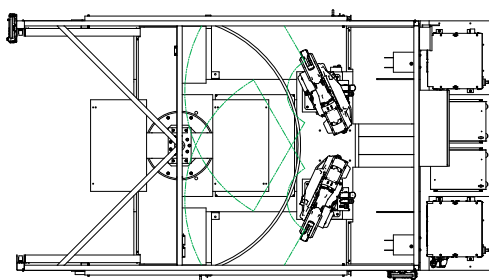
Dimensional Specifications*		PA 750S	PA 750SW
Frame length	A	4724 mm (186")	5181.6 mm (204")
Frame width	B	2489 mm (98")	2896 mm (114")
Frame height	C	2286 mm (90")	2286 mm (90")
Platen height from floor	D	786.13 mm (30.95")	786.13 mm (30.95")
Overall platen size	E	558.8 mm (22")D 914.4 mm (36")W	558.8 mm (22")D 914.4 mm (36")W
Cell width including doors	F	2711.45 mm (106.75")	3117.85 mm (122.75")
Fixture maximum rotation height	G	1012.825 mm (39.875")	1012.825 mm (39.875")
Cell front opening (max)	H	2184 mm (86")	2591 mm (102")
Penetration distance (stopping calculation)	I	419 mm (16.5")	469.9 mm (18.50")
Rotation diameter	J	2336 mm (92")	2743 mm (108")
Shipping weight		2868.972 kg (6325 lb)	3014.121 kg (6645 lb)

\*Note: All dimensions are approximate.

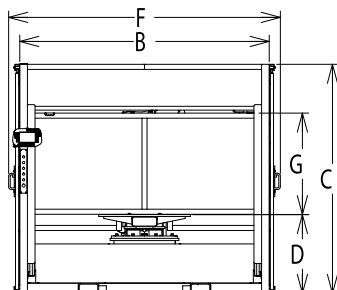
## Top View (Standard Single Robot)



## Top View (Optional Dual Robot)



## Front View



## Standard Specifications

### Fully Integrated Miller Welding Automation Total Solution Includes:

Panasonic® 6 kg welding robot
Panasonic latest generation 64-bit controller with teaching TFT color display pendant utilizing Windows® CE
Auto-Access® inverter arc welder
Miller 4-drive roll wire feeder
Tregakiss™ 500 A air-cooled welding torch
High speed main indexing servo positioner 1000 kg
Miller designed and manufactured total productivity system
<b>System features include:</b>
Integrated operator interface (E-Stop, Auto Mode, Servo On, Mode Select, Table Load/Unload, Cycle Start)
(2) Sliding doors for easy access to the teaching area
TCP pointer & resident TCP check program
Tip change monitor & maintenance program for easy torch upkeep
Arc start retry, arc overlapping, flying arc start, password protection
Resume function, shifting function, online help function

## Positioner General Technical Specifications

### Main Sweep Axis

Model	Servo Positioner
Motor type	2 kW AC Digital Servo
Control type	Servo Control
Payload (per side)	329 kg (725 lb)
Payload offset (from positioner CL)	610 mm (24")
Rotation time (180 deg index)	t < 3.5 sec
Through hole (for utility pass through)	75 mm (2.95")

### Robot Options

TA 1400G3
TA 1600G3
Dual Robot Models Listed

### Welder Options

Auto-Access 300A 60% (Pulse/CV/RMD)	GB2-350A 60% (CV)
Auto-Access 450A 100% (Pulse/CV/RMD)	HM3-350A 60% (Pulse/CV/SPII)
Auto-Access 675A 100% (Pulse/CV/RMD)	HM3-500A 100% (Pulse/CV/SPII)
TAWERS WG 350A 60% (Pulse/CV/SPII)	BP4-300A 40% (GTAW)
TAWERS WGH 450A 100% (Pulse/CV/SPII)	