

PerformArc™ PA1500SW

Robotic Welding Cell



Quick Specs

Industrial Applications

Contract manufacturing
Automotive components
Recreational vehicles
Farm/construction machinery
Implements
Office furniture
Food equipment

Product Type

Two-station, horizontal turntable
Single point for load/unload
Single/dual-robot configurations

Processes

MIG (GMAW): Auto-Continuum™ 350/500
MIG (GMAW): TAWERS 350/450/Active Wire
TIG (GTAW): Maxstar®, BP4, TAWERS

Machine Dimensions

Height: 90 in. (2,286 mm)
Width: 120.1 in. (3,050.6 mm)
Length: 204 in. (5,181.6 mm)

Payload Capacity

1,500 lb. (680 kg) per station

Input Power

Standard: 480 V
Optional: 208, 230, 240, 575 V

PerformArc PA1500SW lends itself to high-mix low-volume operating schedules because it can be configured with one or two robots, provides multiple tooling platen hole patterns, a 37 percent larger operating envelope, all enabling solutions for single- or multi-part solutions, in a compact footprint.



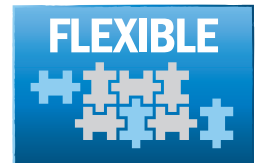
PerformArc PA1500SW

Auto-Continuum 350

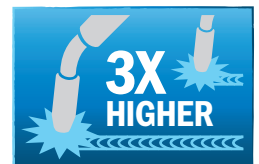
Miller recommends



Visit HobartBrothers.com for your filler metal solutions.



Easy integration of various weld processes and capabilities



Welding throughput versus manual welding



Major components except torches and consumables.

Evolve Your Welding™



Miller Welding Automation

An ITW Welding Company
281 E. Lies Rd.
Carol Stream, IL 60188 USA

Equipment Sales

Phone: 630-653-6819
Email: MWASales@millerwelds.com

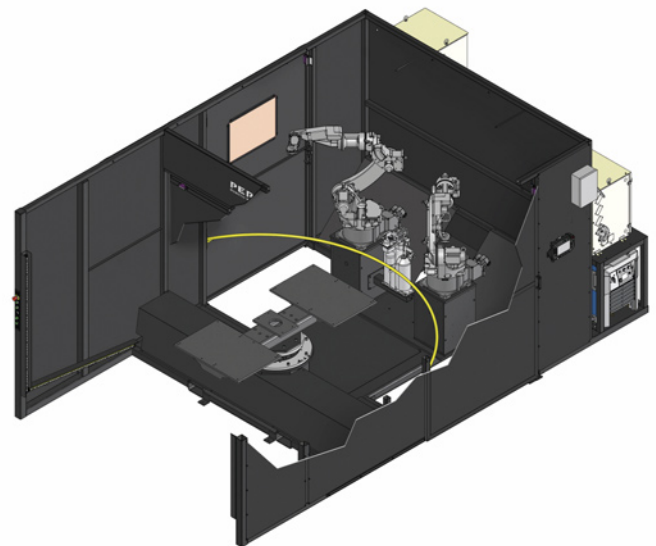
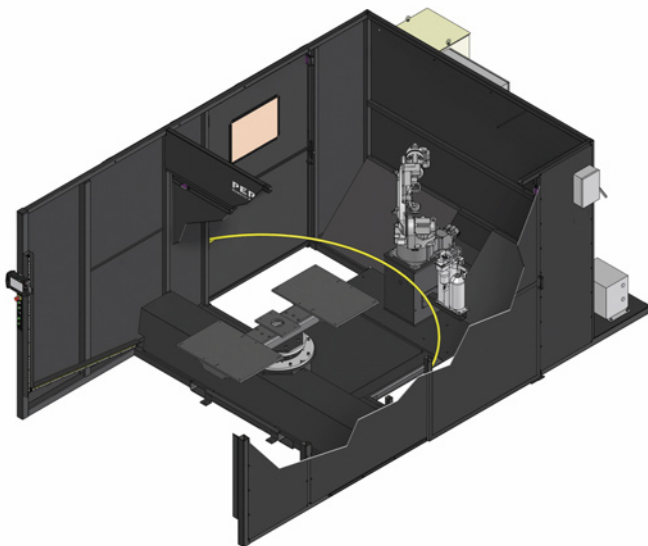
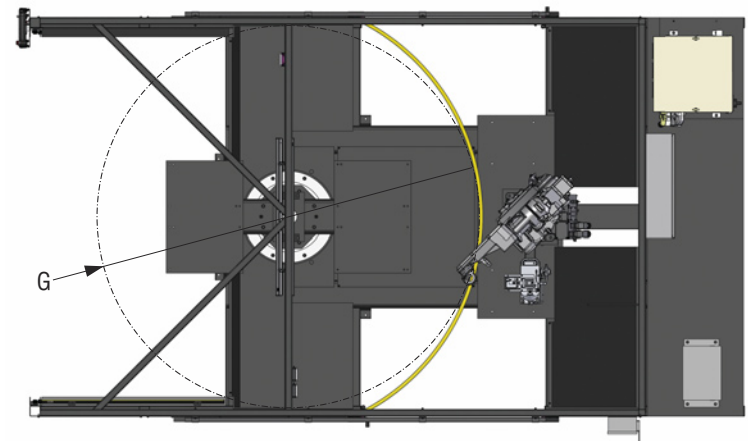
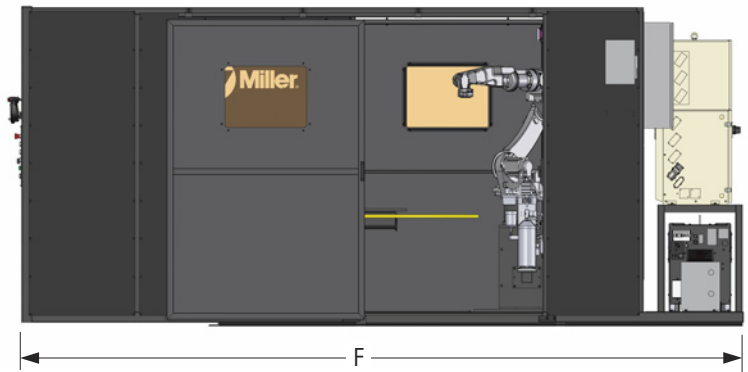
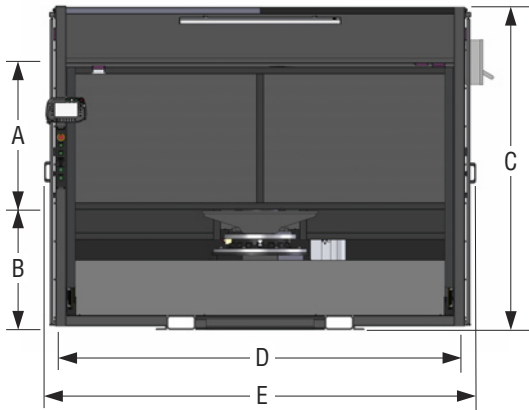
MillerWelds.com



PerformArc™ PA1500SW Machine Specifications

Approximate Dimensions			Approximate Shipping Weight	Payload Capacity
A	Max. Tool Height	40 in. (1,016 mm)		
B	Load Height	33 in. (838 mm)	Single Robot: 7,000 lb. (3,175 kg) Dual Robot: 8,100 lb. (3,674 kg)	1,500 lb. (680 kg) per station
C	Frame Height	90 in. (2,286 mm)		
D	Frame Width	114 in. (2,896 mm)		
E	Overall Width	120 in. (3,048 mm)		
F	Frame Length	204 in. (5,182 mm)		
G	Rotation Diameter	108 in. (2,743 mm)		

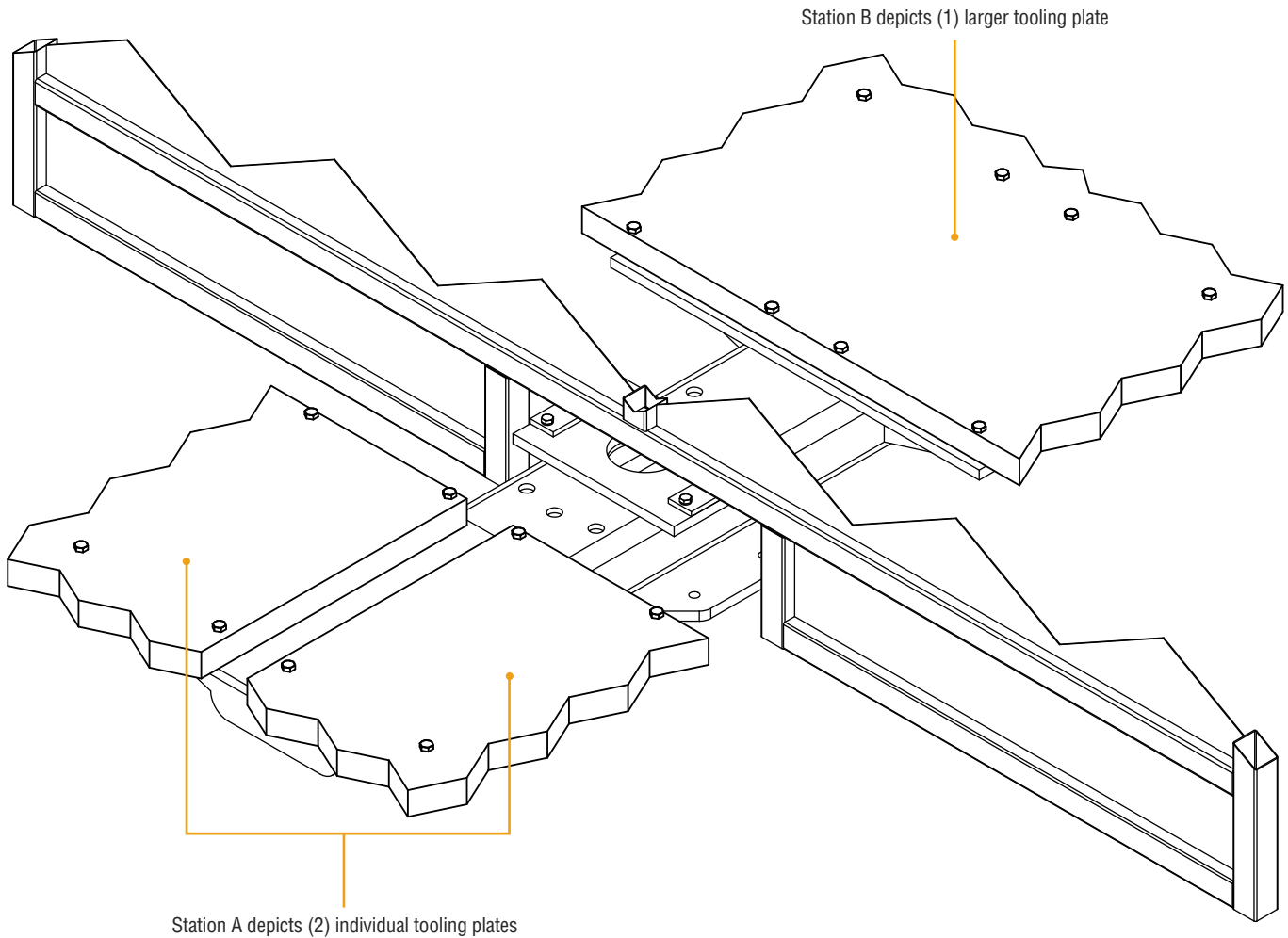
Note: For more information on dimensions for tooling design email MWASales@Millerwelds.com and request sales drawings PA1500_A-SVR and PA1500_A-Dual-SVR.



PerformArc™ PA1500SW Fixture/Tooling Information

Dimensions	
Bolt Holes	M12X1.75
Dowel Holes	12H7
Payload (per station)	1,500 lb. (680 kg)
Table Width	32 in. (813 mm)
Table Depth	22 in. (559 mm)
Max. Fixture Height	40 in. (1016 mm)

Contact your MWA representative or refer to our sales drawings for tooling design considerations.



PerformArc platen has been designed to allow for flexible tooling considerations by providing tooling mounting for single or multi-plate designs.

Resources When You Need It

Pre-Sales Application Support

Contact Miller Welding Automation prior to sale to discuss possibilities to support and prove out your unique welding challenges. Our lab can complete trials and make recommendations that will help reduce risk in your purchasing decision. We'll review your access requirements and hook-up needs — air, gas or electric — prior to installation. Our goal is to have your PerformArc™ welding cell up and running the day it arrives your facility.

Training

We offer virtual training as well as in-person training at our different facilities to fit your needs. Training programs are offered for PerformArc operation and for our offline programming software — Desk Top Programming and Simulation (DTPS). Contact your Miller Welding Automation representative for more information.

Post-Sale Service and Preventative Maintenance

Contact Miller Welding Automation for service and preventative maintenance recommendations and programs, as well as troubleshooting of any operation issues.

Job Plate

Miller Welding Automation	
281 East Lies Road Carol Stream, IL 60188 USA Phone: 630-653-6819 www.MillerWelds.com / MWAService@twwelds.com Assembled in USA	
Model Type	PA1500SW
Serial Number	JXXXX
Primary Input Voltage	480V G3 CON500_A
Number of Phases	3
Frequency	50/60 Hertz
Rated Current Draw	31.4 Amps
Maximum Interrupt Current	200,000 Amps
Electrical Drawing Index	PA112HW ELEC 01-24-A.dwg
Date of Manufacture	January 2021
Mechanical Revision	A
System Weld Torch Specification	
Manufacture - Tregaskiss For Parts Information Contact Miller Welding Automation	
TA3 Torch, TM18, MillerCON, Brake	TA1P397BC5EN
Control Cable, Panasonic	AS-714-22
Contact Tips, .035, AccuLock	T-A035CH
Contact Tips, .045, AccuLock	T-A045CH
Nozzle Bottleneck, HD	401-48-62
Liner, .035-045	415-35-6
Jump Liner, .035-045	495-18-35
Diffuser, AccuLock Slip On	D-ATSH

Need help or have questions about your PerformArc system? Our 24/7 service line can assist you when you need it most. Our service team can help you with operation questions, or to arrange preventative maintenance. The job plate on the back of your system will provide you with quick access to important information about your system like part numbers for your consumables.

Contact Us

Miller Welding Automation is your single point of contact for configuring and ordering your PerformArc system.

Continued technical support can be counted on from Miller Welding Automation in Carol Stream, Illinois. Please call our hotline number: (630) 653-6819.

Spare parts and wear items are provided in your initial purchase of PerformArc. Spare parts can be ordered from Miller Welding Automation.

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