

PerformArc™ PA1100SS

Robotic Welding Cell



Quick Specs

Industrial Applications

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

Product Type

- Side-by-side dual independent stations
- Load/unload direct to weld envelope
- Single- or dual-robot configuration

Processes

- MIG (GMAW): Auto-Continuum™ 500
- MIG (GMAW): TAWERS 350/450/Active Wire
- TIG (GTAW): TAWERS WG3 300A DC

Machine Dimensions

- Height: 90 in. (2,286 mm)
- Width: 200 in. (5,080 mm)
- Depth: 168 in. (4,254 mm)

Payload Capacity

- 1,100 lb. (500 kg) per station

Input Power

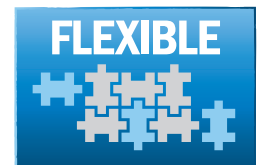
- Standard: 480 V
- Optional: 208 V, 230 V, 240 V, 575 V

PerformArc PA1100SS provides two side-by-side workstations that load and unload directly in robot envelope without a shuttle or indexing function. Two independent workstations provide added flexibility for tooling changeover without interrupting robot welding.

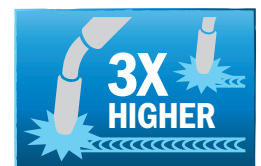


PerformArc PA1100SS

Auto-Continuum 500



Easy integration of various weld processes and capabilities



Welding throughput versus manual welding

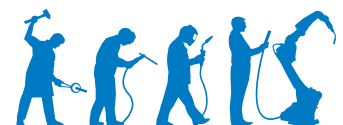
Miller recommends



Visit HobartBrothers.com for your filler metal solutions.



Major components except torches, consumables, and power supplies. Refer to specific component warranty for more information.



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™ PA1100SS

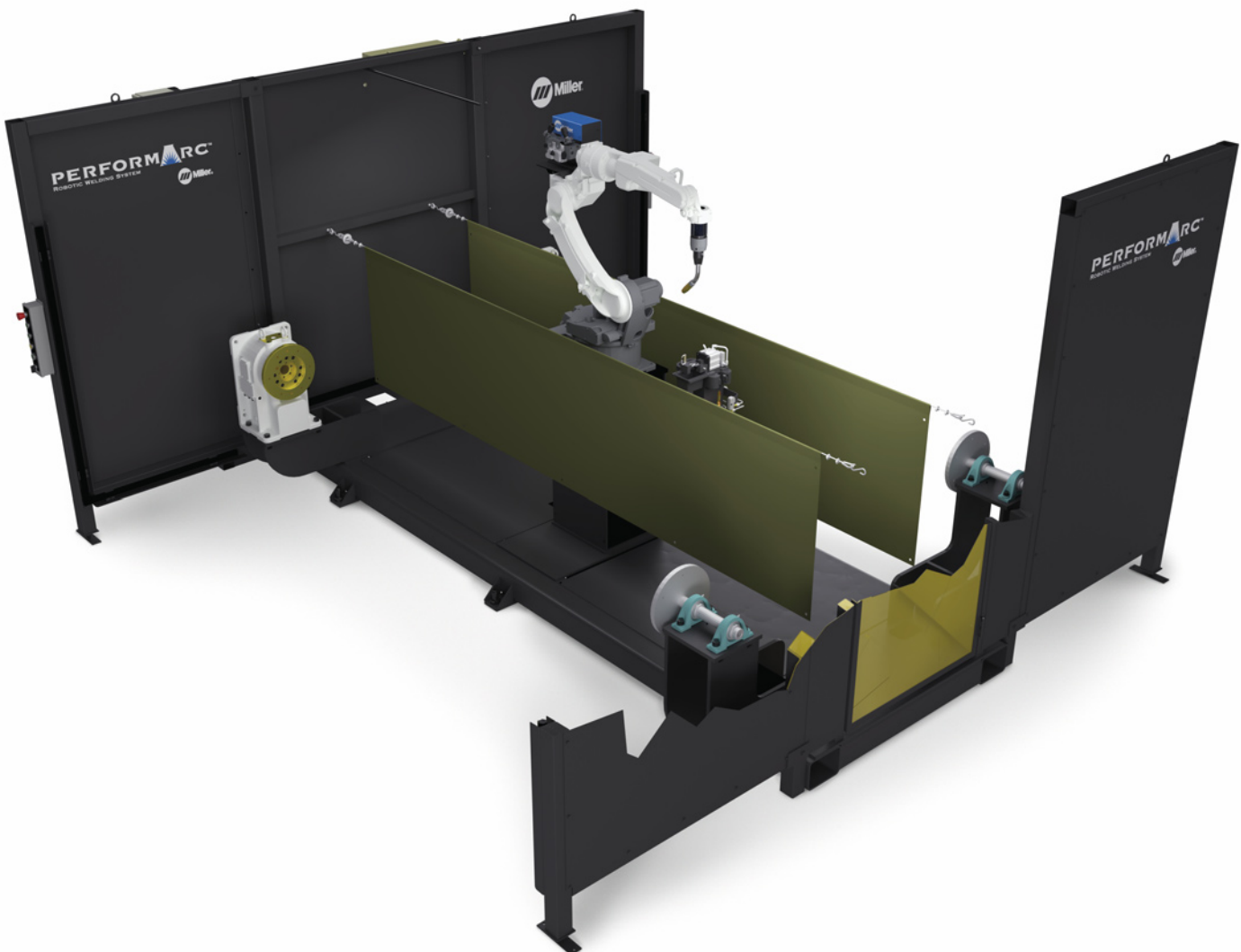
PA1100SS is a side-by-side workstation arrangement. Unique from our indexing cell designs, the workpiece loads directly in the robot work envelope without any shuttle feature, allowing for independent operation between station A and station B. The robot can weld in one station for multiple cycles, while tooling changeover can occur in the opposite station. Downtime is reduced because tooling changeovers no longer interrupt welding. Each workstation is outfitted with head and tail stock positioning in an open format, enabling overhead crane loading and unloading. All this flexibility, along with elimination of downtime due to tooling changeovers, provides our friendliest solution for high-mix operating schedules.

Operator protection is accomplished with light curtains preventing the operator from entering an active workstation. Personal protective equipment is recommended as a safeguard for arc flash.

Ships requiring minimal assembly during installation. Position base module with forklift, secure to floor and connect utilities, and assemble four wing extensions to base module.

Easy to relocate. Disconnect utilities and floor anchors, remove wings, relocate module with a forklift, install wings, secure to floor and connect the utilities.

Full complement of capabilities. GMAW, GTAW, OptiDrive™ push-pull torch, active wire pull torch, and advanced arc modes (Accu-Pulse®, Versa-Pulse™, SP MAG, RMD®) to grow with your needs.

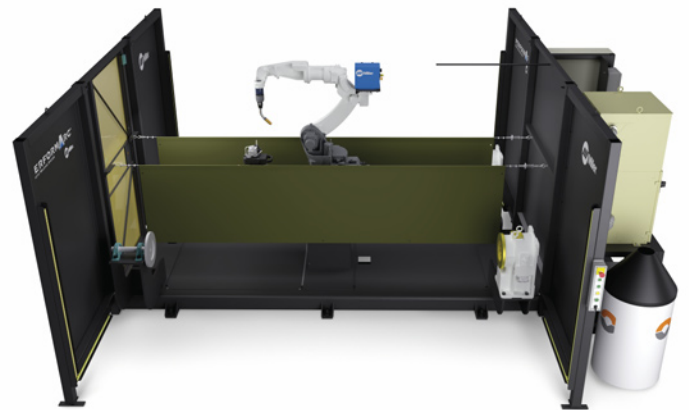
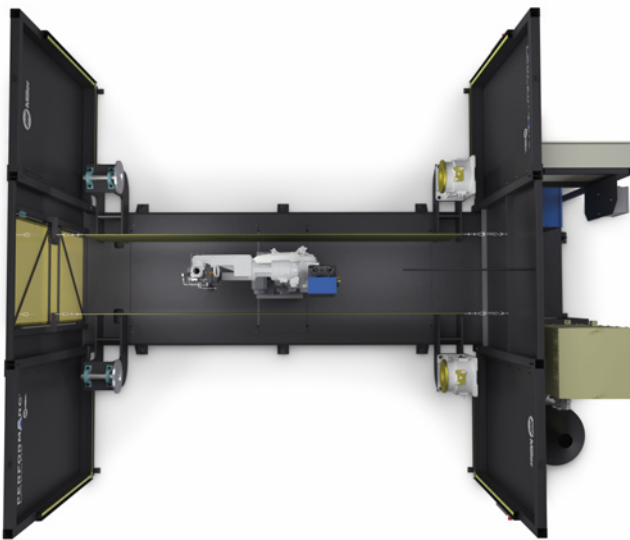


PerformArc™ PA1100SS Machine Specifications

Input Power	Standard Arc Welding Configuration	Optional Configurations Available
Standard: 3-phase, 480 V, 30 A Optional: 208 V, 230 V, 240 V, 575 V	Arc welder: Miller Auto-Continuum™ 500 Wire drive: Miller Auto-Continuum™ Robot: TM2000 Welding torch: Tregaskiss® air cooled	Active wire GMAW: Panasonic TAWERS and torch Pull torch solutions: Miller OptiDrive™ and Dinse torch GTAW: TAWERS WG3 300A DC High deposition: Hercules™

Approximate Dimensions		Approximate Shipping Weight	Payload Capacity
Height: 90 in. (2,286 mm) Width: 200 in. (5,080 mm) Depth: 168 in. (4,991 mm)	Rotation height (from floor): 33 in. (841 mm) Robot distance (from CL rotation): 37 in. (945 mm) Headstock-tailstock span: 120 in. (3,048 mm) Cell front opening: 151 in. (3,835 mm) Rotation diameter: 44 in. (1,117 mm)	Main base: 6,800 lb. (3,085 kg) Wing pallet: 600 lb. (273 kg)	1,100 lb. (500 kg) per station

Note: Refer to sales drawings for more specific specifications.



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	PAXXXXXX
Serial Number	JXXX
Primary Input Voltage	480V XYZ
Number of Phases	3
Frequency	XYZ Hertz
Rated Current	XYZ Amps
Maximum Interrupt Current	XYZ,000 Amps
Electrical Drawing Index	PXYZS-SXXX ELEC 0X-2X-X.dwg
Date of Manufacture	October 2055
Mechanical Revision	J40XX
System Weld Torch Specification	
Manufacture - Tregaskiss For Parts Information Contact Miller Welding Automation	
CAX Torch, X ft., Pana, Brake	RAX12ABAXYZ
Mounting Arm	XX-306-X59-X
Insulation Disc, TM	5XDX-9ZZ
Control Cable, Panasonic	ZZ-7X5-0X
Contact Tips, .XXX, Acculock	B-Y010CH
Contact Tips, .YYY, Acculock	C-Z010CH
Nozzle Reamer/ Wire Cutter	ZZ9A45XXXXWL

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.

Distributed by:

