

PRO-PAK[®] FW

ROBOTIC ARC WELDING SYSTEM



Render is for reference only and shows the following options:
Dual Robot Configuration, HMI Control Panel, Power REAM[®]
Torch Maintenance Station

FERRIS WHEEL

Optimizes production through greater payload capacities and high-speed sweep times.

- Offered in 2.0 – 3.0 meter tool bed lengths
- Standard tool envelope is 1250mm with a 1500kg payload

KEY FEATURES

- Easy integration with major robot manufacturers
- Solid panel safety enclosure allows for more efficient fume extraction
- Modular platform base minimizes installation time
- Weld ground isolation reduces risk of electrical damage to the positioner or robot controller
- Robotic positioners are designed for maximum static and dynamic stiffness, reducing air-cut speeds
- Engineered for high duty use cycles

Industries »

Automotive
Transportation

Benefits »

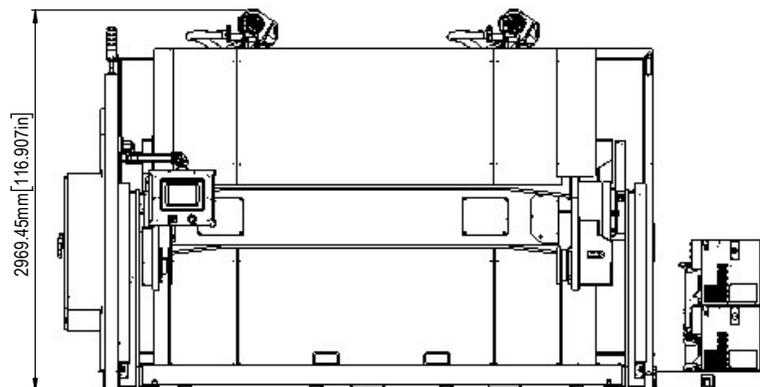
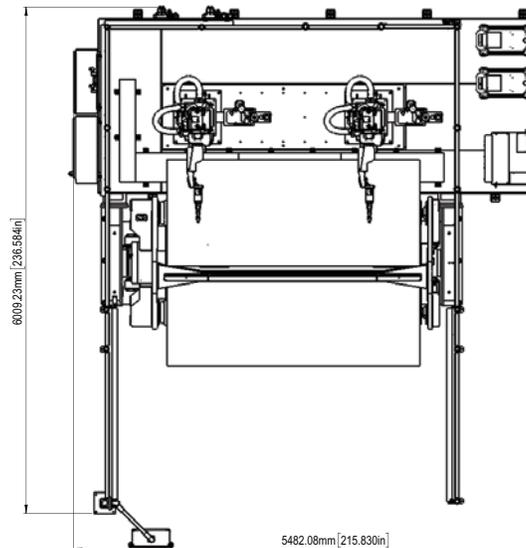
More Consistent Weld Quality
Simplified Cable Management
Weld Controller Integration
Multiple Robot & PLC/HMI Packages
Ease of Installation
Seamless Re-Deployment
Compact Footprint
ANSI/RIA Safety Compliant

STANDARD CELL INCLUDES

- Ferris Wheel Style Weld Positioner
- Modular Platform Base
- Solid Panel Safety Enclosure
- Manual Operator Station
- Single, Dual, Triple, or Quadruple Robot Configurations
- FANUC® Robotic Arm with Controller
- Multiple HMI / PLC Packages
- Arc Welding Dressout Kit
- AutoDrive® 4R100 Wire Drive
- Magnum® PRO Robotic 550 Weld Gun
- Power Wave® R450 Power Source
- Power REAM® Torch Maintenance Station
- High Voltage Power Distribution Panel
- External Axes
- Safety Light Curtains and Gate Switches
- System Pneumatic Distribution Station
- Shot Pin for Indexing Axis

OPTIONS AVAILABLE

- 120 VAC Operator Convenience Package
- Overhead Bridge Robot Mounting
- Contact Tip Change Box
- Weld Shielding Gas Delivery Package
- Weld Wire Payoff Package
- Fume Extraction Hood
- PRISM® Fume Extraction System
- Safety Roll-up Door
- Tooling Pneumatic Distribution Station
- Dual Bearing Tailstock Upgrade
- Programming Platform



DIMENSIONS

Positioner	Tool Length (M)	Robot Configuration*	Tool Diameter mm (in)	Payload kg (lb)	Height mm (in)	Depth mm (in)	Width mm (in)
FW	–	–	1250 (49.22)	1500 (3306.9)	2969.50 (117)	6009 (236.5)	–
	2	1 or 2 robots					4982 (196.11)
	2.5	2 or 3 robots					5482 (215.8)
	3	2 or 3 robots					5982 (235.49)

*Up to 4 robots can be used with the addition of an overhead bridge for the 2-3m tool lengths

FERRIS WHEEL SPECIFICATIONS

180° Sweep Time Primary Axis (sec)	180° Sweep Time Satellite Axis	Max Tool Diameter mm (in)	Tool Bed Length	Sweep Diameter	Max Payload (Per Axis) kg (lb)
3.5 sec	2.50 sec	1250 (49.2)	2.0 2.5 3.0	2.69 m	1500 (3306)

Important Note: Changes from recommended motor sizing, payload, duty cycles, cable routing, weld grounding (if applicable), other system specifications (i.e. servo parameters, controller stop parameter) and/or modifications may affect cycle times and overall performance. User assumes all responsibility for proper rigging, installation and machine setting alignments of product(s). Manufacturer's warranty is void to the extent any failure caused by improper installation, modification or operation by customer.

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The Lincoln Electric Company
22801 St. Clair Avenue · Cleveland, OH · 44117-1199 · U.S.A.

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