

PRO-PAK™ FW

ARC WELDING



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 – 4.0 meter tool bed lengths, with custom lengths available
- Optional precision wedge lock is recommended for high offset tools or parts

KEY FEATURES

- Easy integration with most 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 »

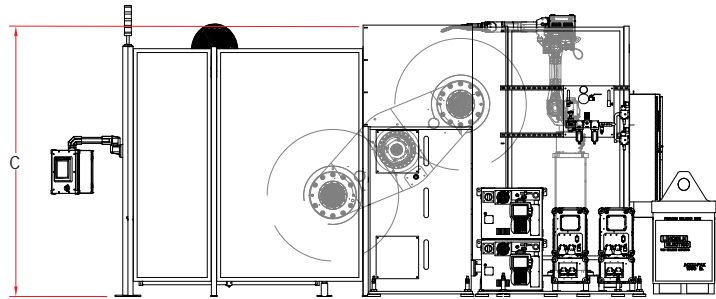
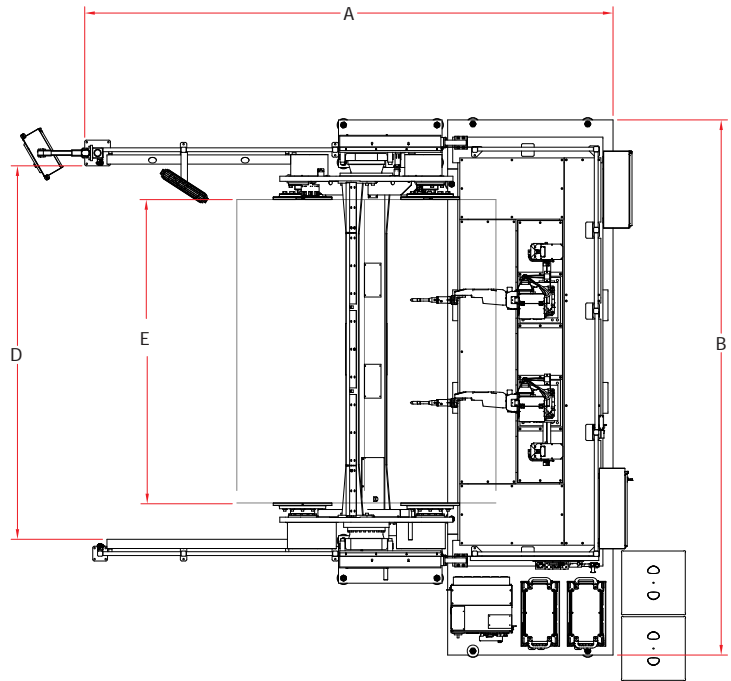
More Consistent Weld Quality
Simplified Cable Management
Weld Controller Integration
Multiple Supplier Options
Ease of Installation
Seamless Re-Deployment
Compact Footprint
ANSI/RIA Safety Compliant

STANDARD CELL INCLUDES

- Ferris Wheel Style Weld Positioner
- Modular Platform Base
- Solid Panel Safety Enclosure
- Manual Operator Station
- Single, Dual, or Triple Robot Configuration
- Robotic Arm with Controller
- Arc Welding Dressout Kit
- Power Wave® i400 Power Source
- AutoDrive® 4R220 Wire Drive
- Magnum® PRO Robotic 550 Weld Gun

OPTIONS AVAILABLE

- HMI / PLC Packages
- Power Wave® R450 Power Source
- Power REAM® Torch Maintenance Station
- Operator Convenience Package
- High Voltage Power Distribution Panel
- Overhead Crown Robot Mounting
- Contact Tip Change Box
- Weld Shielding Gas Delivery Package
- Pneumatic Distribution Station
- Weld Wire Pay off Package
- Fume Extraction Hood
- Fume Extraction System



DIMENSIONS

A	B	C	D	E
5223 mm	E+2300 mm	2673 mm	E+700 mm	Tool Bed Length

FERRIS WHEEL SPECIFICATIONS

Model	180° Sweep Time Primary Axis (sec)/max payload (kg)	180° Sweep Time Satellite Axis	Max Tool Diameter	Tool Bed Length	Sweep Diameter	Max Payload (Per Axis)
4516	4.00/750	2.00 sec	1.30 m	3.00 m	2.85 m	750 kg
	4.50/1000			2.00		1000 kg or
	4.50/1500			2.50		1500 kg
	3.00			3.50		
	4.00					

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 ONLY SINGLE-SOURCE AUTOMATION PROVIDER

Lincoln Electric Automation™ has built a solutions portfolio to include all of the competencies to support your need to improve productivity, quality and safety. Lincoln Electric Automation can modify or completely customize the creation of your weld cell to meet those precise needs.

With a global network of facilities and people, you'll get quick response and personalized attention. Contact us for more information on the types of solutions available to help you produce faster, more repeatable, higher quality results.

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