

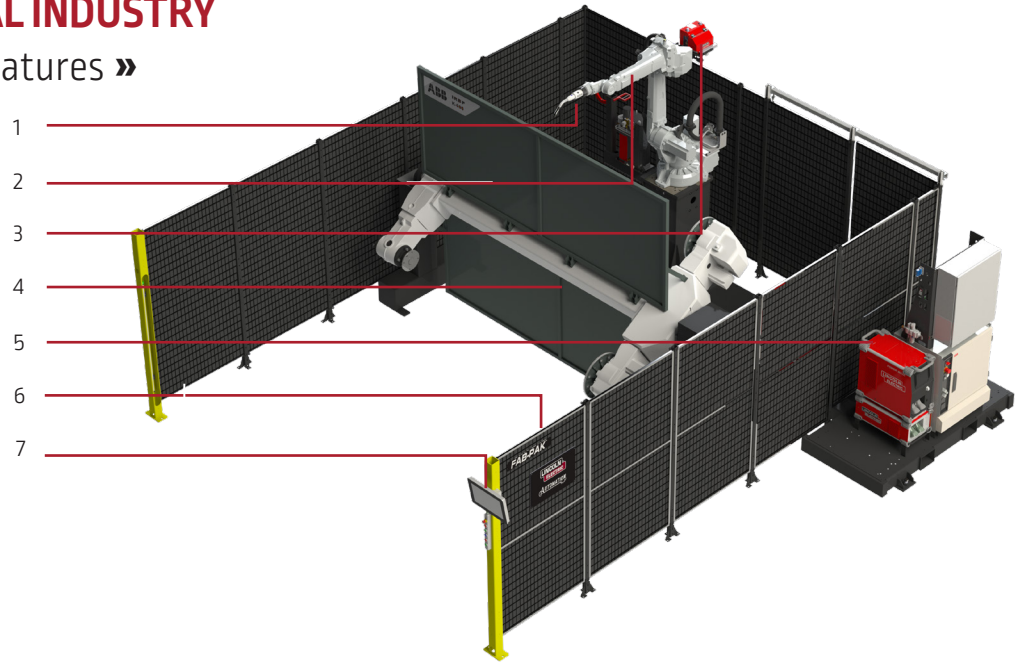
Automation From The Welding Experts®

Lincoln Electric has more than a century of welding expertise, and along with our subsidiaries, we have integrated thousands of robotic welding systems. Our robotic welding systems are the culmination of know-how gained from these integrations and the distillation of the most commonly requested features of our custom-built systems. Now you can tap into that wealth of experience with Fab-Pak® robotic welding systems, engineered for general industry.

ENGINEERED FOR GENERAL INDUSTRY

Fab-Pak System Standard Features »

1. MAGNUM® PRO ROBOTIC GUN
2. WELDING ROBOTIC ARM
3. AUTODRIVE® WIRE FEEDER
4. POSITIONER (IN SOME MODELS)
5. POWER WAVE® POWER SOURCE
6. WIRE MESH FENCING WITH WELD CURTAIN
7. PUSH BUTTON CONTROL



NOW INCLUDES PERFECTPOINT CALIBRATION

At Lincoln Electric Automation™, we are constantly innovating to increase the quality, efficiency, and reliability of our robotic systems. Tool Center Point (TCP) is the foundation to repeatable quality welds, let's explore the benefits of PerfectPoint™ TCP calibration, a new feature for Fab-Pak® systems.

- AUTOMATED CALIBRATION
- QUALITY FABRICATION RESULTS
- IMPROVED RETURN ON INVESTMENT
- RAPIDCHECK EFFICIENCY
- UNRESTRICTED ORIENTATION



STANDARD OPTIONS AVAILABLE

- WATER-COOLED TORCH
- LASERTOUCH (REQUIRES WATER-COOLED TORCH)
- TOUCHSENSE
- THRU-ARC™ SEAM TRACKING
- TOUCHSCREEN HMI
- FUME FILTRATION
- TOOLING TABLES AND BEAMS
- SOLID-PANEL FENCING
- VIRTUAL OR IN-PERSON TRAINING
- FANUC® OR ABB® WELDING ROBOT

Automation Manufacturing Locations

Ability to Install & Service Globally

91
ROBOTIC technicians

153
SERVICE technicians



- | | | |
|-----------------------|-----------------------------|---------------------------|
| Apodaca, Mexico | Fort Laramie, OH, USA | Saltillo, Mexico |
| Beijing, China | Guarulhos, Brazil | San Diego, CA, USA |
| Bettendorf, IA, USA | Hamilton, ON, Canada | Scheifling, Austria |
| Caxias do Sul, Brazil | Ladson, SC, USA | Shanghai, China |
| Chattanooga, TN, USA | Macomb, MI, USA | Shelby Township, MI, USA |
| Churubusco, IN, USA | Merzig, Germany | Siheung-Si, South Korea |
| Cleveland, OH, USA | Mississauga, ON, Canada | Sydney, Australia |
| Coldwater, OH, USA | Parthenay, France | Valencia, Spain |
| Columbus, OH, USA | Pont-Sainte Maxence, France | Vankleek Hill, ON, Canada |
| Essen, Germany | Pune, India | Weierstadt, Germany |
| Fort Collins, CO, USA | Reno, NV, USA | |

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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Lincoln Electric Automation™
22221 St. Clair Avenue
Cleveland, OH 44117 U.S.A.
1.888.935.3878



SYSTEM SELECTION GUIDE

Fab-Pak Robotic Welding Systems



System Selection Guide

CDZ Central Dual Zone

Positioner Capacity:
500 (kg)

Span:
1000 (mm)

Swing:
750 (mm)



All models are available with FANUC and ABB robots.

XFT Indexing Fixed Table

Positioner Capacity:
350 / 500 / 1000 (kg)

Span:
N/A

Swing:
1700 / 2250 / 3000 (mm)



All models are available with FANUC robots, select systems are available with ABB robots.

FHS-B2B Fixed Headstock, Back-to-Back

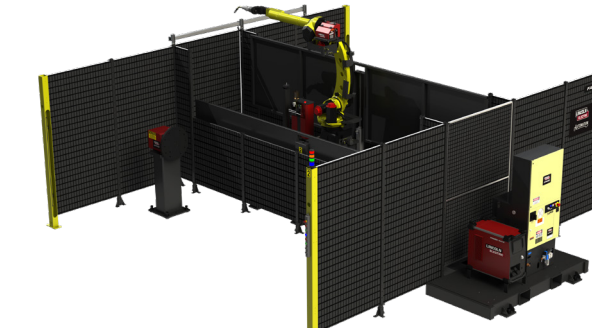
Positioner Capacity:
1000 / 2000 (kg)

Span:
2500 / 3150 / 3750 / 4500 (mm)

Swing:
1250 / 1500 (mm)

Dual-Arm Options Available!

Models are available with FANUC and/or ABB robots depending on system size.



XHS-CM Indexing Headstock, Center Mount

Positioner Capacity:
1000 (kg)

Span:
2000 / 3000 (mm)

Swing:
1250 (mm)

Dual-Arm Options Available!

All models are available with FANUC robots.



XHS-RM Indexing Headstock, Rear Mount

Positioner Capacity:
1000 (kg)

Span:
2000 (mm)

Swing:
1200 (mm)



All models are available with ABB robots.

FW Ferris Wheel

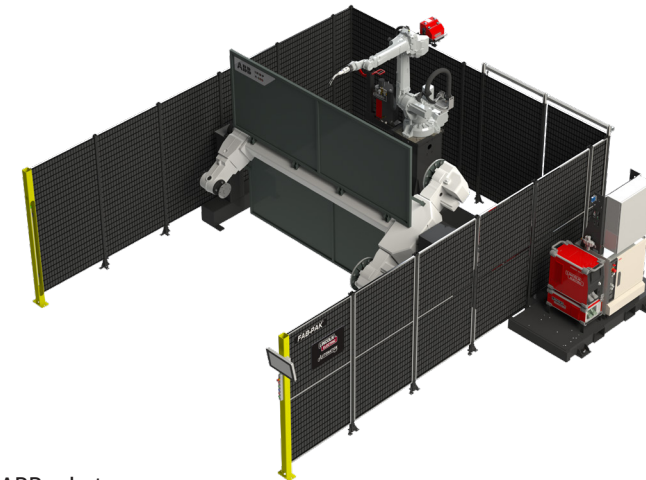
Positioner Capacity:
600 / 1000 (kg)

Span:
2500 / 3150 (mm)

Swing:
1200 / 1400 (mm)

Dual-Arm Options Available!

All models are available with ABB robots.



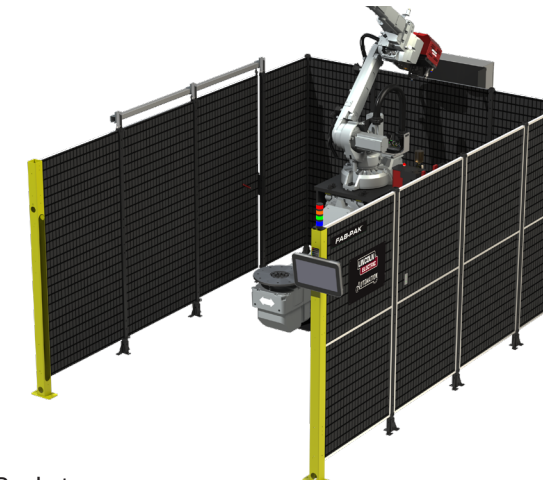
ISH Integrated Skyhook

Positioner Capacity:
750 (kg)

Span:
N/A

Swing:
1450 (mm)

All models are available with ABB robots.



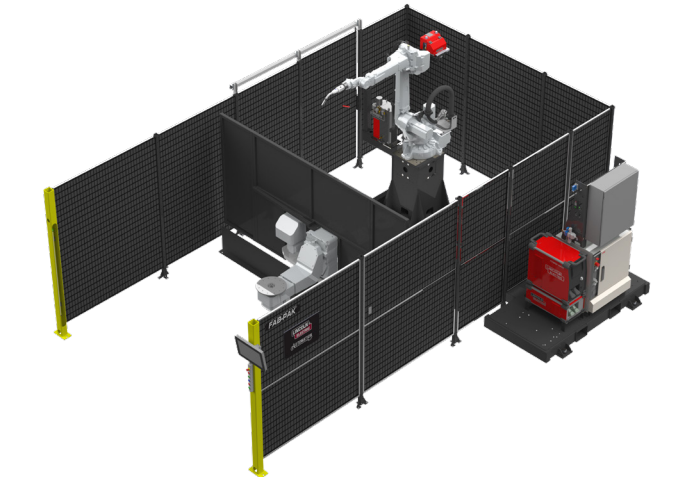
XSH Indexing Skyhook

Positioner Capacity:
250 / 750 (kg)

Span:
N/A

Swing:
1000 / 1450 (mm)

All models are available with ABB robots.



Custom Options Available!

Custom Fab-Pak systems are created by The Welding Experts® at Lincoln Electric with 120+ years of reputation standing behind every automation solution we execute. Lincoln Electric is a vertically integrated single-source partner with in-house design, fabrication, and integration of turnkey automation solutions. 32 automation facilities in 10 countries allow us to produce products efficiently with operational competencies and integrated technology.

For More Information Visit:

www.lincolnelectric.com/fab-pak