

# FAB-PAK® COBOT

## Industrial-Grade Welding Cobot



### Ideal For »

- » High-mix and low-volume parts
- » Large and bulky parts that do not fit in a traditional robotic welding cell
- » Flexible shops that need mobility in their welding process

### Capabilities/Configurations Include »

- » MIG welding on steel and aluminum
- » Twin-wire, heavy deposition welding
- » Plasma cutting
- » Weaving and seam-tracking
- » Touch-sense technology

## THE FAB-PAK® COBOT ROBOTIC WELDING SYSTEM GIVES PRODUCTIVITY A WHOLE NEW MEANING FOR MANUFACTURERS IN THE INDUSTRIAL SPACE.

Designed by the world leader in arc welding products, this industrial-grade welding cobot eliminates many of the barriers that have kept manufacturers from automating the welding process. Now, with the Fab-Pak Cobot, manufacturers of all sizes (even those brand new to robotic automation) can benefit from the flexibility, safety and ease-of-use collaborative robots provide while experiencing welding efficiency and quality gains.

Compared to traditional robotic workstations and other cobots, this industrial-grade welding cobot can be configured for standard MIG and twin-wire welding on steel aluminum. This includes all standard arc welding software, such as touch-sense technology, weaving and seam tracking.



**Safety features** – Power and force limiting sensors, speed and separation monitoring with soft impact design and sensing technology

**Easy to program** – Minimal tech-savviness required makes training and learning how to use simple and straightforward

**Adaptable to your needs** – Easy to re-deploy anywhere you need it on high-mix, low-volumes of dedicated parts saving you valuable floor space

**Ideal for manufacturers of high-mix and low-volume parts, the Fab-Pak Cobot can be easily moved to the part you need to weld quickly and easily, all while safely operating in tandem with your production staff.**

## WHAT'S INCLUDED:

- » Power Wave® R450 power source
- » FANUC CR-7iA collaborative arc welding robot arm
- » AutoDrive® wire feeder
- » FANUC single axis positioner
- » Magnum® PRO robotic torch
- » Heavy-duty caster system
- » Integrated gas tank stand
- » Kickstand cart stabilizer
- » Hand guidance unit (optional)

## FLEX CART OPTIONS:

### Modular Tooling Inserts

- » Direct-mount modular tooling plate for easy build-up and tear-down of tooling
- » 05/8 holes x 2" grid pattern
- » Use with existing tooling or clamp and block kit

### Modular Clamp & Block Kit

- » All-in-one modular fixturing kits complete with reusable clamps, blocks, angles, stops, bolts, etc.
- » Design assistance available

### Fume Extraction

- » Integrated fume control with large surface area coverage
- » Adjustable extraction hose to flex with your parts

Product Name	Table Size in (mm)	Arm Reach in (mm)	Cart Weight lb (kg)
FAB-PAK COBOT with FANUC CR-7iA COLLABORATIVE ARM	30 X 20 [76 x 50]	28 [717]	1350 [613]

#### 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.

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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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