

COOPER CRX ALUMINUM WELDING COBOT

COLLABORATIVE ROBOTIC SYSTEM



Cooper CRX-10iA/L Aluminum Welding Cobot Cart

Renders are for reference only



Cooper CRX-30iA/L Aluminum Welding Cobot Cart

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COOPER CRX ALUMINUM WELDING COBOT COLLABORATIVE ROBOTIC SYSTEM

Finding skilled welders continues to challenge many industries. The solution? Automation! We combined more than a century of innovative welding know-how with your real-world automation needs to create our Cooper™ welding cobots. Cooper welding cobots are available as a compact cart system or as a non-cart package. The carts are designed to move anywhere you need to weld; packages give you the freedom to customize how you mount or integrate into your operation. It's the affordable, game-changing solution you need to level up your welding and your business!

SYSTEM INCLUDES

- FANUC® CRX® robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® SA Push/Pull wire feeder
- MAGNUM® PRO water-cooled torch
- Cool Arc™ 55S Water Cooler
- The Cooper App
- Fault reset palmstation
- Fixed welding table*
- Heavy-duty casters**
- Stabilizing kickstand**

INDUSTRIES

- High-Mix Job Industries
- Part Resurfacing & Reconditioning
- Repair & Remanufacturing
- Roof & Bridge Trusses
- Mechanical Contracting & Piping
- Agricultural Equipment Manufacturing
- Steel Fabricating & Metal Service
- Training & Educational Programs

*Included in Cooper CRX-10iA/L welding cobot cart systems only

**Included in Cooper CRX-10iA/L and CRX-25iA welding cobot cart systems only

CONTACT LINCOLN ELECTRIC AUTOMATION



+1-866-LEA-0411



Cobot_Support@lincolnelectric.com



www.lincolnelectric.com

Publication LEA-062123TM3-07

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AUTOMATION

KEY FEATURE THE COOPER APP

Processes Made Simple

- Linear welds
- Circular welds
- Editing/customizing
- Multipass welds
- Stitch welds
- Optimized angles
- Work and travel angles

Easy User Interface

Step-by-step on-screen instructions allow operators to learn how to teach points and create a program fast.

Smart Torch

Smart Torch design provides an ergonomic grip for users to easily move the collaborative robotic arm. The integrated buttons allow users to program from the torch.

Preset Weld Menu (COMING SOON TO ALUMINUM)

The Cooper App includes presets based on wire size, type, gas mix, and thickness of material being welded and/or joined. The Weld By Numbers™ feature [shown below] offers preset weld settings. Dozens of parameters are preset in these numbers, which correlate to the material thickness to optimize weld performance and quality.



PRODUCT SPECIFICATIONS

Product Number	Model	Dimensions L x W x H in (mm)	Robotic Arm Payload lb (kg)	Robot Arm Reach in (mm)	System Weight lb (kg)	System Work Envelope in (mm)	Fixed Table Payload lb (kg)
AD2489-18	Cooper CRX-10iA/L Aluminum Welding Cobot Cart	59 x 35 x 38.5 [1,498.6 x 889 x 977.9]	22 [10]	55.8 [1,418]	1,170 [531]	44 x 35 [1,117.6 x 889]	500 [226]
AD2495-21	Cooper CRX-10iA/L Aluminum Welding Cobot Non-Cart Package	N/A	22 [10]	55.8 [1,418]	428 [194]	N/A	N/A
AD2630-3	Cooper CRX-30iA Aluminum Weldin Cobot Cart	69 x 46 x 105 [1,743 x 1,174 x 2,662]	66 [30]	74.4 [1,889]	2,216 [1,005]	64 x 55 [1,625.6 x 1,397]	N/A
AD2631-3	Cooper CRX-30iA Aluminum Welding Cobot Non-Cart Package	N/A	66 [30]	74.4 [1,889]	638 [289]	N/A	N/A

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed. Lincoln Electric is a responsible manufacturer, but the definition of specifications, and 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.

BENEFITS

The Cooper App Gives You Control

The innovative Cooper App will help you quickly program and produce quality welds! This feature will be available for Cooper CRX aluminum welding cobot systems soon.

The Power Wave R450 Makes It Possible

The industry-leading Power Wave R450 power source provides fast travel speeds and low spatter generation.

The Support You Need for Automation Success

- FREE online training resources available at lincolnelectric.com/cobots
- In-person training classes available
- Trusted support/expertise of 275 sales representatives and 115 robot technicians

OPTIONS AVAILABLE

- Wire reel assembly kit [AD2498-11]
- Tooling table clamp kit [AD2498-3]
- On-customer site training package (2 days) with subject matter expert [AD2498-8]
- In-person training at HQ (Cleveland, OH) with an expert instructor (2.5 days) [AD2498-19]
- HyperFill® twin-wire MIG welding process
- X-Tractor® 2 Fume Gun on-torch welding fume extraction system ([learn more](#))

CUSTOMER ASSISTANCE POLICY