

ArcAdjust

REAL-TIME WELD ADJUSTMENT CONTROL SOLUTION



Renders are for reference only

ArcAdjust Solution for Cooper® Welding Cobots

The shortage of skilled welders continues to challenge many industries, driving increased interest in automation. However, qualifying automated welding solutions can be complex in certain sectors. The ArcAdjust™ solution is a dedicated control box that connects to robotic systems and enables real-time adjustments to position, weld, and weave parameters.

Integration of the solution can support the classification of a collaborative robot as a mechanized welding solution, depending on industry requirements. Designed for usability, the ArcAdjust solution features large tactile buttons that allow operators to make adjustments even while wearing welding gloves and helmets.

A built-in display provides real-time output data, helping operators monitor weld conditions and calculate heat input as needed - offering accessible, on-the-spot control in dynamic welding environments.

INDUSTRIES

- Shipbuilding
- Structural
- Heavy Fabrication
- Bridge Trusses

CONTACT LINCOLN ELECTRIC AUTOMATION



+1-866-LEA-0411



Cobot_Support@lincolnelectric.com



www.lincolnelectric.com

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KEY FEATURES

Processes Made Simple

- **Positional Adjustment:**
Y, Z, X-Rotation
- **Weld Adjustment:**
Wire Feed Speed, Travel Speed, Voltage
- **Weave Adjustment:**
Left/Right/Center (ABB) Dwell, Frequency, Amplitude
- **Real-Time Display Output:**
Wire Feed Speed, Travel Speed, Voltage, Current
- **Program Start, Stop, and E-Stop Buttons**

PRODUCT SPECIFICATIONS

Product Number	Models	Dimensions L x W x H in (mm)	System Weight lb (kg)
AD2652-1	CRX Cobots	6.25 x 14.5 x 2 (158.75 x 368.3 x 50.8)	6.61 (3 kg)
AD2652-2	GoFa Cobots	6.25 x 14.5 x 2 (158.75 x 368.3 x 50.8)	6.61 (3 kg)

BENEFITS

Dedicated Control

Allows users to make real-time adjustments to positions, weld parameters, and weave parameters.

Easy to Use

Simplifies programming and adjustments without needing to look at a screen, making it user-friendly even with a welding helmet on.

Wide Range of Applications

Suitable for shipbuilding, heavy equipment manufacturing, and structural welding, handling complex geometries and out-of-position welding.

OPTIONS AVAILABLE

- Compatible with FANUC® CRX™ systems
- Compatible with ABB® GoFa® systems
- Retrofit options available

CUSTOMER ASSISTANCE POLICY

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 responsive 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.

THE LINCOLN ELECTRIC COMPANY
22801 Saint Clair Avenue • Cleveland, OH • 44117 • U.S.A.
Phone: +1 216.481.8100 • www.lincolnelectric.com