

COOPER™ WELDING COBOT

Collaborative Welding System - GoFa Air-Cooled Cart



THE WELDING COBOT BUILT BY THE WELDING EXPERTS®

We combined more than a century of welding knowledge, and automation experience with your real-world needs to create the Cooper Welding Cobot.

Designed for safe, easy to use direct human interaction, Cooper is a High- Performance Robotic Welding System powered by our industry-leading PowerWave® R450 Robotic power supply to provide an authentic robotic welding experience.

Ideal For »

- » High-Mix Job Shops
- » Repair & Remanufacturing
- » Part Resurfacing & Reconditioning
- » Roof & Bridge Trusses
- » Mechanical Contractors & Pipe Shops
- » Agricultural Equipment
- » Steel Fabricators & Metal Service Centers

Cooper Can Handle It

WHAT'S INCLUDED:

- » ABB® GoFa with robust controller
- » Smart Torch with Integrated Buttons
- » AutoDrive® 4R100 Wire Feeder
- » Power Wave® R450 Welder
- » Fixed welding table
- » Heavy duty casters
- » Stabilizing kickstand
- » Magnetic Break Release Tool

SYSTEM OPTIONS :

- » Modular Tooling Table & Components
- » Robotic Arm Base for Multiple Mounting options
- » Integrated Fume Extraction
- » CSA approval for Canada

SETUP FOR SUCCESS

- » We offer FREE on-line training, in-person training classes, the support of 275 technical sales representatives, and the expertise of 115 robot technicians.

FEATURES & BENEFITS:

NEW! COOPER APP

Lincoln Electric created the Cooper App to make it simple for anyone to program and create a quality weld.

On screen instructions guide users step-by-step through the process of creating welds, no training required.

INCREASE PRODUCTIVITY & WELD QUALITY

Welds with an industrial ABB GoFa robot driven by a Lincoln Electric Power Wave® R450 power source. The Power Wave software controls and monitors welding processes, delivering the highest levels of weld quality and productivity - exactly what you need to be more competitive.

RELIABILITY

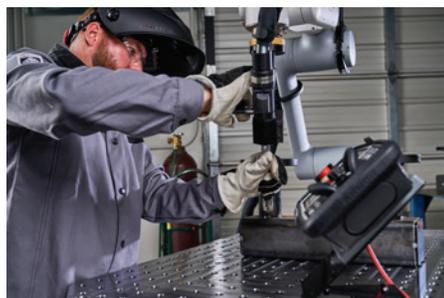
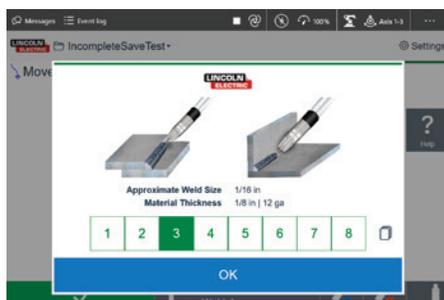
Exceeding the duty cycle of your equipment leads to more maintenance and downtime. Our systems are setup to support robotic applications.

- Power Wave R450 power source (5 Year Warranty)
- AutoDrive 4R100/4R220 Wire Feeder (5 Year Warranty)
- Magnum PRO Air-Cooled/ Water-Cooled Torch (1 Year Warranty)

The ABB GoFa cobot is backed by ABB's 46 years of automation expertise spanning every industry imaginable across the globe. Like ABB industrial size arms, rigorous quality testing is conducted on the GoFa cobot.

COOPER APP. PROGRAMMING

Not a Welding Expert? Not a Robotic Pro? Not a Problem!



Processes Made Simple

- Linear welds -Circular welds -Editing/ customizing -Multi-Pass -Stitch welds

Easiest User Interface

- Step-by-step on-screen instructions allows any skill-level operator to learn how to teach points and create a program fast.

Smart Torch

- Provides an easier ergonomic grip for users to easily move the ABB CRB 15000 GoFa robotic arm, along with programming points with integrated program buttons.

Preset Weld Menu

- Based on wire size, type, gas mix, and thickness of material being welded and/or joined
- A "Weld-by-Numbers" system 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 Name	Product Number	System Dimensions L x W x H in (mm)	Robotic Arm Payload lb (kg)	Robotic Arm Reach in (mm)	System Weight lb (kg)	Fixed Table Work Envelope in (mm)	Fixed Table Payload lb (kg)
Cooper Cobot Cart 15000 GoFa	AD2501-1	69 (1752.6) x 35 (889) x 80 (2032)	11 (5)	43 (1092)	1047.2 (475)	44 x 35 (1117.6 x 889)	500 (226)
Cooper Cobot Cart 15000 GoFa CE	AD2501-2						

Conditions:

Users and employers have the sole responsibility for and control over workplace conditions, including the manner in which work is performed and the safety measures taken. Always read and follow applicable regulations, such as OSHA, as well as all information on product labeling, operator's manuals, and safety data sheets when using Lincoln Electric products. Safety data sheets for Lincoln Electric products can be found at <http://www.lincolnelectric.com/en-us/support/msds/Pages/sds-search.aspx>. Users and employers should have an industrial hygienist check worker exposure levels to be certain that they are within applicable limits, such as OSHA PEL and ACGIH TLV limits, for the particular application or weldment.

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. 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.

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