

Collaborative Welding System

COOPER™ CART

LINCOLN®
ELECTRIC

COOPER™ CART

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THE WELDING COBOT BUILT BY THE WELDING EXPERTS®

Across many industries, finding skilled welders is a challenge. In finding the best solution, automation is usually the most practical and cost-efficient answer.

We combined more than a century of welding knowhow, and our extensive automation experience with your real-world needs to create the Cooper Cart. The Cooper Cart welding cobot is designed for safe, direct human interaction. It's the affordable, game-changing solution you need to level up your welding and your business.

Ideal for:

- High-Mix Job Shops
- Repair and Re-manufacturing
- Part Resurfacing and Reconditioning
- Roof and Bridge Trusses
- Mechanical Contractors and Pipe Shops
- Agricultural Equipment
- Steel Fabricators and Metal Service Centers
- Projects with repeatability
- Training and Educational Programs

Lead Through Teach

- Fluidly guide the arm into the correct location by hand using the torch-mounted enabling device.
- Use torch handle to manipulate the finishing push and weld angles when in the joint.

Dual-Action Pushbutton Interface

- Pushbuttons designed directly into the torch allow any skill-level operator to teach points easily and create programs fast.
- Record points directly at the torch and reduce cumbersome programming.
- Record approach points with one button and weld start/end with the other.
- Illuminated buttons indicate when points have been recorded.



Touch Panel Tablet Teach Pendant

- The new tablet teach pendant, featuring icon-based, timeline programming reduces the learning curve. Simply swipe icons in or out of the timeline, or tap them to modify.

Lincoln Arc Welding Plug-In

- Receives input directly from pushbuttons at the integrated torch, automatically recording points on the timeline.
- Operator can clearly see specific arc start/end points on timeline and "tap" to change weld parameters.



BENEFITS

The Go-There, Weld That Cobot. The Cooper Cobot Cart robotic welding system easily moves to parts that need to be welded, takes very little floor space, and can be safely operated in tandem with your production staff.

INCREASE PRODUCTIVITY & WELD QUALITY

- Welds with an industrial Fanuc® CRX 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

- The CRX FANUC cobot features the same components and technology proven in the most rigorous industries for over 30 years. FANUC backs their reliability by providing a guarantee of eight years ZERO maintenance on motors, reducers, sensors, cables and grease.

SUPPORT TO HELP YOU SUCCEED AT AUTOMATION

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



SPECIFICATIONS

Product Name	Product Number	Dimensions L x W x H in (mm)	Robotic Arm Payload	Robotic Arm Reach	System Weight (kg)	Fixed Table Work Envelope in (mm)	Fixed Table Payload (kg)
Cooper Cobot Cart CRX-10iA	AD2489-1	1,524 x 812 x 67	10kg	1,249mm	407	762 x 508	226
Cooper Cobot Cart CRX-10iA/L	AD2489-2			1,418mm			

WHAT'S INCLUDED:

- FANUC® CRX 10iA with tablet based TP
- Integrated pushbutton torch control
- AutoDrive® 4R100 Wire Feeder
- Power Wave® R450 Welder
- Fixed welding table
- Heavy duty casters
- Stabilising kickstand
- Utility drawer and tablet tray

SYSTEM OPTIONS:

- Modular Tooling Table and Components
- Robotic Arm Base for Multiple Mounting options
- Integrated Fume Extraction
- In-Person Training / Onsite Startup Package



CUSTOMER ASSISTANCE POLICY

Lincoln Electric® business 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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice and to the extent permitted by law assumes no liability, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given. The provision of information or advice does not create, expand or alter this warranty. 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 this type of fabrication methods and service requirements. Subject to Change – This information is accurate to the best of our knowledge at the time of printing.

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