

CLASSMATE WELDING COBOT

COLLABORATIVE ROBOTIC EDUCATION SYSTEM



ClassMate CRX Welding Cobot



ClassMate GoFa Welding Cobot

Renders are for reference only

CLASSMATE WELDING COLLABORATIVE ROBOTIC EDUCATION SYSTEM

Finding skilled welders continues to challenge many industries. The solution? Automation! We combined more than a century of innovative welding know-how with educational opportunities to create our ClassMate® welding cobots. The carts are designed to easily move around a classroom. It's the affordable, game-changing solution you need to level up your welding curriculum. The easy-to-learn Cooper™ App will have students welding with confidence in no time!

SYSTEMS

- ClassMate CRX Welding Cobot: FANUC® CRX-10iA cobot with Samsung® tablet teach pendant
- ClassMate GoFa Welding Cobot: ABB® GoFa-5 cobot with flex-pendant

SYSTEM INCLUDES

- Power Wave® R450 robotic welding power source
- AutoDrive® 4R100 wire feeder
- MAGNUM® PRO air-cooled robotic welding torch
- The Cooper™ App
- Fault reset palmstation
- Fixed and mobile welding table
- Hand Shields (PPE - Welding Arc)

CONTACT LINCOLN ELECTRIC AUTOMATION



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KEY FEATURE THE COOPER APP

Processes Made Simple

- Linear welds
- Circular welds
- Editing/customizing
- Multi-pass*
- Stitch welds*
- Optimized angles
- Work & Travel Angles
- Preset Weld By Numbers™

*Features currently only on ClassMate GoFa Welding Cobot

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

The [Weld By Numbers™](#) feature (shown below) offers various pre-set weld settings based on wire size, type, gas mix, and thickness of material.



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)	Fixed Table Payload lb (kg)
AD2446-27	ClassMate GoFa Welding Cobot	50.4 x 37.8 x 79.3 (1,279 x 961 x 2,013)	11 [5]	41.3 [1,050]	507 [230]	200 [90.7]
AD2446-28	ClassMate CRX Welding Cobot	50.4 x 37.8 x 79.3 (1,279 x 961 x 2,013)	22 [10]	49.2 [1,249]	507 [230]	200 [90.7]

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.

BENEFITS

The Cooper App Gives You Control

The innovative Cooper App will help you quickly program and produce quality welds!

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 [AD2498-1]
- Tooling table clamp kit [AD2498-3]
- Ed-Start package - 2-day coaching and prep session with one of our cobot subject matter experts†
- Virtual Educational FANUC® WeldPRO™ package†
- X-Tractor® Mini with EN-20 Nozzle 120/1/60 [K3972-5]

†Only available on ClassMate CRX Welding Cobot

