

ABB ROBOTICS

# Cobot Arc Welding Package

## *Complex welding at the touch of a button*



Robotic welding is within now everyone's reach, thanks to the revolutionary Cobot Arc Welding Package – an easy-to-use solution that empowers first-time robot users to create high-quality welding without the need for in-depth knowledge of robot programming.

### About the solution

The Cobot Arc Welding Package is a breakthrough solution that dramatically simplifies creating and executing welding sequences. The main innovation is the Easy Teach Device which uses lead-through programming and interactive buttons to determine weld points.

With a worldwide shortage of experienced welders, companies need easy-to-use automation solutions to stay ahead of the game. The Cobot Arc Welding package has been developed to reduce the complexity of robotic welding and hence lower the barriers to automation for SMEs and first-time users such as manual welders.

Fitted on ABB's award-winning GoFa Cobot, the Cobot Arc Welding Package is the first of its kind to enable users to program a robot without using a teach pendant. Using the Easy Teach Device, users can automatically generate the programming code by simply guiding the robot's arm along the welding path.

With the ability to cut down programming time by about 70 percent, the Cobot Arc Welding Package is a game changer for the global welding market.

### Benefits



**Made for Welders:** With the innovative Easy Teach Device, users no longer need hours of training to use the device, making it ideal for high mix, low volume tasks



**Speed:** Welding sequences are automatically generated on the teach pendant, so users can create and execute welding sequences in less than 30 seconds, saving nearly 70 percent of programming time.



**Consistent Quality:** With GoFa's unmatched position accuracy and superior lead-through programming, users are assured of high-quality welding, every time.



**Simplified operations:** All major operations are achieved with the easy-to-use device on the robot arm, making it simple and intuitive to use.



**Easy to buy:** All major components, incl. the robot, gripper, software, service etc can be bought from a single source (ABB), making it easy for anyone to buy and set up the device.

## What is in the package?



The compact and lightweight Cobot Arc Welding Package contains all the components, including the Easy Teach Device, that are ready to be used to quickly set up the welding solution.

## Easy Teach Device

The Easy Teach Device is a revolutionary hardware interface between the robot and users, enabling complete non-robot experts to effortlessly program welding sequences without the need to interact with the FlexPendant. The Easy Teach Device can be installed on the CRB 15000- GoFa), creating a truly collaborative welding experience for all users.

The device is installed between the robot flange and the welding torch bracket and is equipped with two buttons to teach the welding path positions and a ring nut to scroll through the various instructions. The selected instruction is shown to the operator on two screens mounted on either side of the device, ensuring full usability from every angle.



Width	Depth	Height	Weight
88 mm	88 mm	95 mm*	670g

\* max distance between the upper part of the case and the lower part of the flange.

## Components in the package

- Welding Protective Cover axis 4, 5 and 6
- Wires and cables
- Screws and reference pins
- Add-in software
- User manual and training videos

\* Customers can use existing CRB 15000 GoFa cobot or buy it separately