



# EASYARC™ COBOT WELD CART



## SIMPLIFY WELDING WITH AUTOMATION

The EasyArc™ welding cart is a plug-and-play collaborative welding solution that combines ABB's GoFa™ robot with Fronius® welding technology. Designed to complement skilled welders, this cart-based system makes it simple for any shop to automate welding tasks – without fences or complex programming.

Whether you're entering automation for the first time or expanding your welding capabilities, EasyArc is built to get you up and running fast with consistent, high-quality results.

### *Why Choose EasyArc?*

- ◆ Complements the skill of human welders
- ◆ Fast ROI with low integration cost
- ◆ Designed for real-world welding needs
- ◆ Ideal entry point for automation in welding

## KEY FEATURES:

- ▶ **PRE-ENGINEERED, PLUG-AND-PLAY DESIGN**  
Fully integrated system with Fronius® welding package and ABB® GoFa™ collaborative robot.
- ▶ **EASY TO PROGRAM**  
Intuitive EasyArc software makes it simple to teach new parts and run production—no advanced programming needed.
- ▶ **SAFE TO OPERATE**  
Collaborative robot design allows for safe operation near workers—no fencing required in most setups. Ideal for space-constrained work environments.
- ▶ **IMPROVE WELD QUALITY & CONSISTENCY**  
Delivers repeatable, high-quality welds in a variety of production environments.
- ▶ **BOOSTS PRODUCTIVITY**  
Automates repetitive welds tasks to increase throughput and reduce rework.
- ▶ **FAST RETURN ON INVESTMENT**  
Fast ROI through reduced labor, fewer defects, and higher efficiency.

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## STANDARD SYSTEM SPECIFICATIONS

### EasyArc™ Software

- ◆ Intuitive interface for fast part teaching and production setup
- ◆ No advanced programming skills required—ideal for all operator levels

### Fronius® TPS320i Welding Package

- ◆ 320A push system, water-cooled MIG welding package
- ◆ Innovative, user-friendly touch display
- ◆ Easily adaptable to individual welding needs & parameters
- ◆ Includes standard Fronius weld package for versatile applications
- ◆ **Upgrade to 400A or 500A** MIG welding capacity for heavy-duty applications

### EasyArc™ Cart

- ◆ Powder-coated steel frame for durability & mobility
- ◆ Integrated wire spool holder
- ◆ Swing-arm mount for FlexPendant
- ◆ Houses both controller and welder in a compact layout
- ◆ Locking casters for easy repositioning on the shop floor
- ◆ Requires only one 480V 3-phase power drop
- ◆ Expandable control for future accessories or welding upgrades
- ◆ 1-year warranty included



### ABB® CRB1500 GoFa™ Collaborative Robot Arm

- ◆ Safe, rounded design with no pinch or trap points
- ◆ Safety certified to Category 3, PL d
- ◆ Up to 2.2 m/s TCP speed—faster than others in its class
- ◆ Integrated torque sensors for precise, safe motion control
- ◆ 1050mm reach—12% longer than comparable 5kg cobots
- ◆ Powered by ABB's OmniCore controller for energy-efficient, high-performance motion (up to 20% energy savings)
- ◆ **Optional upgrade** to Long Arm Cobot with 10kg payload and 1.62m reach for larger parts and extended workspaces

### Bluco® Modular Tabletop (1000mm x 1400mm)

- ◆ Precision modular fixturing system designed for robotic welding
- ◆ Achieves  $\pm 0.005''$  repeatability when paired with EasyArc cobot welding solutions
- ◆ Ideal for high-mix or precision applications requiring consistent setups

## AVAILABLE WELDING PACKAGE UPGRADES\*

OPTION	DESCRIPTION
EasyArc Start (On-Site Support)	Includes three days of on-site setup, training, and programming support from an MWES automation technician to ensure a smooth system launch.
CMT Aluminum Push / Pull MIG Package	Delivers enhanced aluminum welding performance with a torch neck pull feeder, buffer hose package, and mounting bracket—paired with advanced Fronius Cold Metal Transfer (CMT) technology for superior wire feed control, reduced spatter, and improved weld quality.
Collaborative Robot Torch Cleaner (MIG only)	Automatically maintains the welding torch with a mounted reamer, anti-spatter spray, and wire clipper to improve uptime and weld consistency.
Fume Extraction	Offers over-the-torch source capture for MIG systems and a re-positionable nozzle for TIG/laser setups, all integrated with a Robovent unit.
Single Axis Positioner	Enables precise collaborative welding of pipe and flanges with servo-controlled rotation, an 8-inch chuck, and integrated safety features for vertical, 45°, or 90° horizontal mounting positions based on your part needs.
Two-Axis Skyhook Weld Positioner	Servo-driven positioner enables collaborative robot control of part orientation during welding for improved precision and repeatability.

\*Additional options available



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