EASY-ARC TC300 COBOT



Benefits

- Increased productivity and significantly reduced costs per part
- Lower cost compared to custom welding robots
- Easy to learn and operate
- Removes complexity so that operators of all skill levels can program parts in minutes.
- Smaller footprint ensures lower capital investment
- Multiple mounting options



The MWES EASY-ARC TC300 Weld Cart is a portable welding robot on wheels. The cart utilizes an ABB collaborative robot (COBOT) which is an industrial robot arm designed for operator safety, ease of use and programmability. The operator can load and unload from a single station that is shared with the robot, which allows the operator the ability to address high-mix, low-volume operating scenarios in a small footprint.



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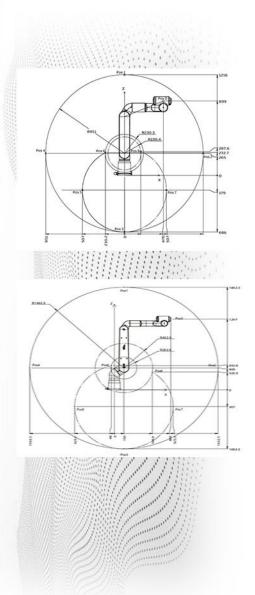








MVES INNOVATION THROUGH AUTOMATION	■ Easy-Arc Cart
ABB	■ ABB CRB15000 GoFa Collaborative Robot ◇ Superior power and force limiting performance through integrated torque sensors ◇ Safe design of robot, rounded geometry, no pinch/trap points ◇ Safety certified Category 3, PLd ◇ With a TCP speed of up to 2.2 m/s, *GoFa is faster than other cobots in its class ◇ 950mm reach: 12 per cent longer than comparable 5kg cobots ◇ Powered by Omnicore with best-in-class motion control
Fronius	Fronius TPS320i Welding Package
BLUCO Make it Better.*	Bluco Modular table top 1000mm x 1400mm Bluco modular solutions allow you to fixture with the repeatable precision the robot requires +/-0.005" repeatable accuracy achievable when modular solutions are combined with robotic welding systems
SOFTWARE	Easy Arc Software Provides intuitive user interface to teach new parts and run production.



Easy Start On-Site Support	MWES Automation Technician comes to the Customer's site for either setup, training or programming support.
Aluminum Push/Pull Upgrade	The Push/Pull weld package upgrade for the Fronius welder for aluminum welding.
Automatic Torch Cleaner	The automatic torch cleaner is activated via the programming pendant.
Area Safety Scanner	The safety scanner option allows an operator to work within closer proximity to the cobot.
Arc Flash Curtain	The arc flash curtain option is a portable flash curtain that mounts on the cobot cart's table top.
Fume Extraction	A portable source capture system can be added to eliminate welding fumes.
Dual Station Configuration	An additional Bluco modular table will be married to make a 2-station system.
Gas Bottle Holder	The gas bottle holder allows for safe storage of a full-size gas bottle near the cart.
Heavy Weld Package	The heavy weld software package adds thru-arc tracking and tactile sensing for steel mig weld applications.
Higher Amperage Welder	The 320 amp mig weld package can be upgraded to 400 or 500 amp packages.
Long Arm Cobot	The cobot can be upgraded to a 10kg payload capacity, 1.52 reach arm for a larger work envelope.
Tig Weld System	Available with or without cold wirefeed instead of Mig weld equipment.





