Mobile Robotic Weld Cart

Electro-Matic’s Mobile Robotic Weld Cart features an adaptive arc with less spatter and improved gap handling, providing increased travel speeds and high-quality welds on a variety of base materials. Simple integration with fixed and flexible automation systems.

**Mobility** - Wheel it up and get to work – the unit is self-contained with an integrated welding fixture table and automation to match your skilled welders.

*Wire and gas are not included

**Repeatability** - teach it once and get perfect, repeatable welds every time.

**Quality** - Use your skilled welder to set it up and then let your techs feed parts to get the best weld quality over and over.

**Safety** - PFL (power/force limiting) and FSU (functional safety unit) features make the HC10 the safest robot by your side. Practice standard weld safety protocols and get the job done.

**Durability** - Set up the perfect weld ONCE and get 1000 more with no lag time.

Save your jobs and be able to repeat with the touch of a button.

The CASE for HC10 Collaboration

**Capable** – improves production rate

**Affordable** – quickly achieves ROI

**Easy** - empowers employees
- Teach by hand guiding
- Quick fault recovery
- Simplifies basic training needs

**Quality** – reduces risk
- Built on Yaskawa legacy of quality and reliability

UWI features

- 10-inch touchscreen with a tablet-based interface
- Fast, simple learning curve for novice robot programmers
- Automatic programming feedback and error recovery

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### YASKAWA HC10XP Robot

<table>
<thead>
<tr>
<th>Axes</th>
<th>Maximum motion range [°]</th>
<th>Maximum speed [°/sec.]</th>
<th>Allowable moment [N•m]</th>
<th>Allowable moment of inertia [kg•m²]</th>
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<td>130</td>
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**Axes Legend**
- S-Axis: Swivel Base
- L-Axis: Lower Arm
- U-Axis: Upper Arm
- R-Axis: Arm Roll
- B-Axis: Wrist Bend
- T-Axis: Tool Flange

### Miller Auto-Continuum™ System

**TOUGH GUN® CA3 Robotic Air-Cooled MIG Gun**

- Re-engineered neck clamp improves durability and consistency of clamping force
- Compatible with TOUGH GUN G1 Series necks and gun mounts
- New cable guide minimizes stress on the cable connection
- Extended unicable service life
- Additional standard neck and mounting arm options
- Compatible with TOUGH LOCK® Consumables or NEW! AccuLock™ R Consumables and the QUICK LOAD® Liner AutoLength™ System

### Mobile Robotic Weld Cart Dimensions

- **Dimensions**: 1877 mm x 1893 mm x 992 mm
- **Net Weight**: 130 lb. (59.4 kg)