



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

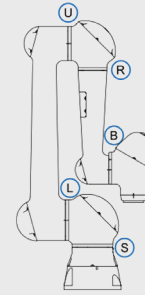


- 10-inch touchscreen with a tablet-based interface
- Fast, simple learning curve for novice robot programmers
- Automatic programming feedback and error recovery



YASKAWA

HC10XP Robot

**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

Axes	Maximum motion range [°]	Maximum speed [°/sec.]	Allowable moment [N•m]	Allowable moment of inertia [kg•m ²]
S	±180	130	-	-
L	±180	130	-	-
U	+265/95	180	-	-
R	±180	180	27.4	0.78
B	±180	250	27.4	0.78
T	±180	250	9.8	0.1



Auto-Continuum™ System

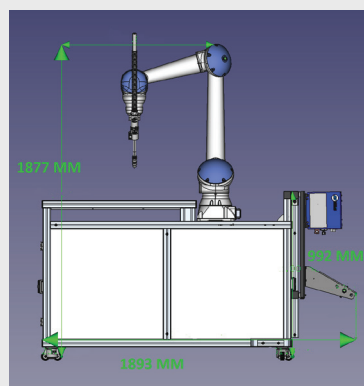
TOUGH GUN® CA3 Robotic Air-Cooled MIG Gun



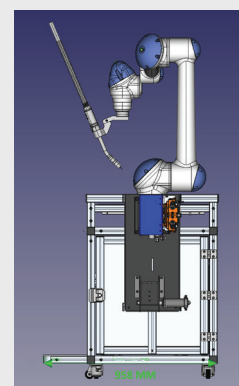
Model	Amp/Volt Ranges	Rated Output	Amps Input at Rated Output, 50/60 Hz, 3-Phase 203 V 380 V 400 V 460 V 575 V KVA KW	Max. Open Circuit Voltage	Dimensions	Net Weight
Auto-Continuum 350	20-400 A 10-44 v	350 A at 31.5 VDC, 100% duty cycle	36.7 21.8 20.8 18.8 14.6 14.4 13.8 0-1* 0-1* 0-1* 0-1* 0-1* 0-8* 0-17*	72 VDC	H: 27.19 in. (691 mm) (including lift eye)	130 lb. (59.4 kg)



Mobile Robotic Weld Cart Dimensions



1877 mm x 1893 mm x 992 mm



958 mm

