

Copilot™

Collaborative Welding System

Quick Specs

Industrial Applications

Contract and OEM manufacturing of components for automotive, recreational vehicles, farm and construction machinery, marine, furniture, and more. Confab, worksite, and field fabrication.

Product Type

Collaborative welding robot or cobot provides a combined station for:

- A) Welding envelope
- B) Loading and unloading
- C) Programming
- D) Tool installation and change

Processes

MIG (GMAW): Auto-Continuum™ 350 including Accu-Pulse®, Versa-Pulse™ and RMD®

Machine Dimensions

Height: 84 in. (2,134 mm)
Width: 48 in. (1,219 mm)
Depth: 52 in. (1,321 mm)

Payload Capacity

1,500 lb. (680 kg) with feet
750 lb. (340 kg) on casters

Input Power

Copilot: 110 V
Power supply: 480 V, 3-phase (standard)
240–575 V (optional)

Copilot is our entry-level collaborative welding cell for welders new to robotic welding.

Our smallest, most affordable welding cell that delivers the productivity and repeatability of robotic welding and utilizes the capabilities of collaborative robotics.



Copilot 907857

Auto-Continuum™ 350

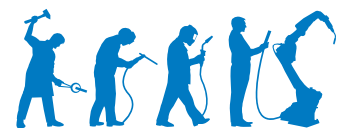
Miller recommends



Visit HobartBrothers.com for your filler metal solutions.



Major components except torches, consumables, and power supplies. Refer to specific component warranty for more information.



Evolve Your Welding™



Miller Welding Automation

An ITW Welding Company
281 E. Lies Rd.
Carol Stream, IL 60188 USA

Equipment Sales

Phone: 630-653-6819
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MillerWelds.com



Copilot™

Entry-level collaborative welding cell. Operator loads and unloads from a single station that can be shared with the robot envelope. Great for new-to-automation welding challenges and for experienced robotic welders who need affordability and the ability to address high-mix, low-volume operating scenarios in a small footprint.

Full complement of capabilities with Auto-Continuum™ 350. GMAW power source with advanced arc modes (Accu-Pulse®, Versa-Pulse™, RMD®) grows with your needs.

Weld-ready tool surface is 48 x 48 inches and outfitted with 5/8-inch tooling holes that are spaced 2 x 2 inches in a 42 x 30 inch pattern on center. Compatible with Bluco® and StrongHand Tools®, among others.

Note: Bluco® is a registered trademark of Bluco Corporation. StrongHand Tools® is a registered trademark of StrongHand Tools®.

Tregaskiss® TOUGH GUN® CA3 robotic MIG gun is engineered for accurate, reliable and repeatable performance that maximizes production uptime and throughput.

Teach pendant carriage allows for convenient hands-free viewing.

Ships partially assembled with a video setup guide and instructions. Copilot is mounted on castor wheels for easy positioning and placement.

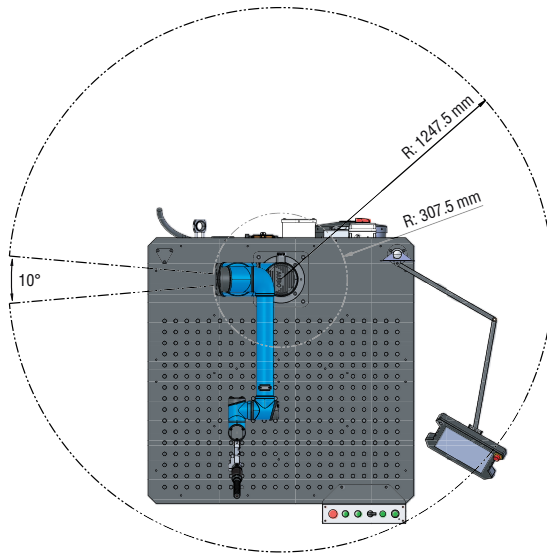
Easy to relocate. Relocate your cobot workstation in four easy steps: unplug equipment and raise leveling feet, push by hand, re-level feet, and plug in equipment.

Cobot Specifications

Input Power	Standard Arc Welding Configuration	Payload Capacity	Approximate Dimensions		Approximate Shipping Weight
Copilot: 110 V Power supply: 3-phase, 480 V, 30 A (standard), 240–575 V (optional)	Arc welder: Miller Auto-Continuum™ 350 Wire drive: Miller Auto-Continuum™ Robotic air-cooled MIG gun: Tregaskiss® TOUGH GUN® CA3	1,500 lb. (680 kg) with feet 750 lb. (340 kg) with casters	Height: 84 in. (2,134 mm) Width: 48 in. (1,219 mm) Depth: 52 in. (1,321 mm)	Max. tool height: Contact Miller Load height: 37 in. (940 mm)	1,700 lb. (771 kg)

Cobot Work Envelope

Note: Approximate dimensions, contact us if you are building tooling.



Contact Us

Need help or have questions about your Cobot system? Our 24/7 service line can assist you when you need it most. Our service team can help you with operation questions, or to arrange preventative maintenance. The job plate on the back of your system will provide you with quick access to important information about your system.

Miller Welding Automation is your single point of contact for configuring and ordering your Cobot system.

Continued technical support can be counted on from Miller Welding Automation in Carol Stream, Illinois. Please call our hotline number: (630) 653-6819.

Spare parts and wear items are provided in your initial purchase of Cobot. Spare parts can be ordered from Miller Welding Automation.

Ordering Information To order, call (888) 843-7693 or email MWA.Sales@Millerwelds.com

Equipment and Options	Stock No.	Description	Qty.	Price
Copilot Collaborative Welding Cell	907857	System includes Auto-Continuum™ 350, Auto-Continuum wire drive, welding robot, TOUGH GUN® CA3 robotic MIG gun, integrated welding table, and all required interconnecting cables		

Date: _____ Total Quoted Price: _____

Distributed by:

