SIMPLIFIED & POWERFUL WELDING WITH THG'S SINGLE-PHASE MIG SYSTEM

THG Automation's single-phase system delivers a powerful welding system for users with limited access to industrial power or needing a simplified robotic welder , ideal for tool rooms or R&D teams.

- **Simple to teach**
- **Advanced robotic capability**
- **Built to grow**

Key Strengths

Wizard-Like
Create welding programs quickly and easily with a streamlined, user-friendly interface.

Teach Button
Teach waypoints from welding torch adapter to make program setup quicker

Welding Simulation
Turn the welding process on or off at any point during the program execution.

Weaving
Set weave pitch, length, angle and dwell left and right.

Easy to Use
Easy programming and significantly higher welding speeds.

Easy to Move
Forklift and pallet pockets allow for easy placement & adjustments.

Multipass: Path record weld seams to easily replay for multipass welding.

Copy & Pattern Welding: Move, copy or pattern welds.

Stitch Weld: Set two points, weld length and the number of welds for a series of stitch welds.

Starter Kit: Includes contact tips & tools.

Small Footprint: As small as 4'x4'

Weld Table Area: 3'x4' and supports optional clamping system.

Modular System: The system easily grows with your needs by purchasing additional features as you need them.

Weaving: Set weave pitch, length, angle and dwell left and right.

Job Editor: Access all of your weld job parameters via a web browser to do bulk edits and speed up weld development.

Pendant Armor: Screen & teach pendant protector.

Robot Protector: Arm spatter guard system.

Siegmund Weld Table & Fixture Kit: Comes with each table.

Limited Warranty: Three-year limited warranty on system.

Variable power range: Unit runs on single-phase (230-240v) or three-phase (200-480v) service.

FREE Software Upgrades

FREE Phone Support

Add-on Options:

Dual Table Kit: Increased work area, double the Siegmund tools and two-station operation.

Up to Six Rotational or Linear Positioners.

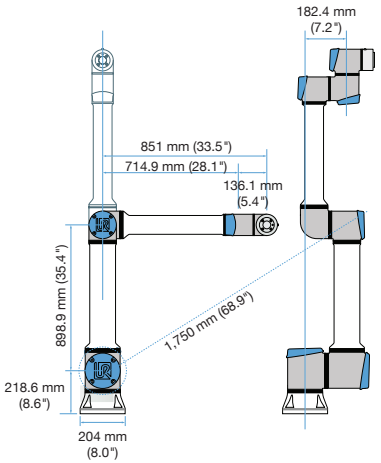
Up to 1,750 mm (68.90") reach.

Single-Phase MIG System

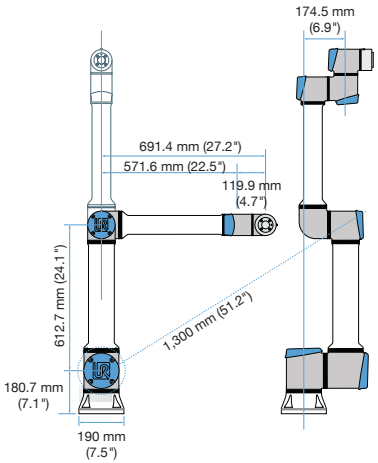
Single-phase MIG welding system ideal for operation with limited space- and power-access.

Specs	Single-phase MIG
Power source:	TransSteel TS 2700c
Input voltage - xø, V:	1ø, 280-460V
Fuse protection - A slow-blow @ V:	16
Voltage tolerance:	-10 / +15%
Frequency - Hz:	50 / 60
MIG Torch type:	Air-cooled push

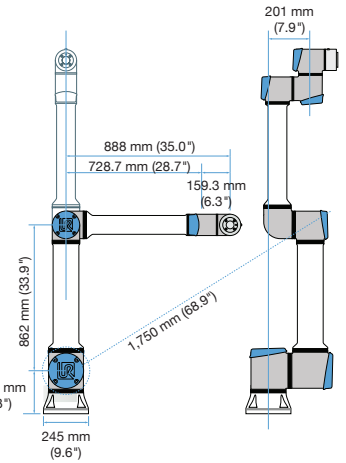
UR8L



UR12e



UR20



Universal Robots Specs			
UR Cobot:	UR8 Long	UR12e	UR20
Reach - mm (inches):	1,750 (68.9")	1,300 (51.2")	1,750 (68.9")
Payload - kg (lbs):	10 (22)	12.5 (27.6)	25 (55.1)
Footprint - mm (inches):	ø 204 (8.0")	ø 190 (7.5")	ø 245 (10.0")
Weight - kg (lbs):	44.7 (98.5)	33.5 (73.9)	64 (141.1)
Voltage (VAC):	100-240	100-240	100-240
Frequency (Hz):	47-440	47-440	47-440
Max draw (amps):	15	15	15

System highlights:

Fronius TransSteel 2700c features:

- **Single- or three-phase power.**
- **Air-cooled torch and power source.**

System component features:

- **4'x3' Siegmund welding table with fixture kit.**
- **World-class Fronius welding processes - MIG, Pulse MIG.**
- **Proprietary URCap software with a graphical interface on the teach pendant.**

THG Automation
sales@thgautomation.com
(317) 593-5575 | thgautomation.com