



AC/DC Push-Pull TIG System

URW - 2TAPP

Industrial Cobot System with Advanced Welding Functionality. Complete system with table and clamp kit.



THG Automation has created the URW-2TAPP AC/DC Push-Pull TIG COBOT welding solution for autogenous or wire feed applications. This system is excellent for autogenous welding and has cold wire feed for steel and stainless steel.

Using the Universal Robots UR10e collaborative robot and the Fronius MagicWave 3000 MV power source with water-cooled TIG push wire feed system and an added pull feeder for softer alloys, you can weld carbon, steel, stainless steel, and aluminum metals.

Simple to Teach, Elevated Function, Easy to Weld.



Wizard-Like

System interface creates welding programs easily.



Welding Simulation

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



Teach Button

Teach waypoints from the welding torch adapter to make setting up programs quicker.



AVC

Set arc length based on voltage for automatic height adjustments.

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

Wire Feeding Options: Spool holder or bulk barrel.

Touch Sensing: Find part variations to adjust weld points in multiple dimensions.

Copy And 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.

FREE Software Upgrades.

Small Footprint: Approximately 4' X 4'.

Weld Table Area: 3' X 4' 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, dwell left & right.

Pendant Armor: Screen & teach pendant protector.

Robot Protector: Arm spatter guard system.

FREE Phone Support.

Three year limited warranty on system.

Fronius-specific tool kit.

Added Functionality with UR10e Features:

Safe Speed And Force Pressure: Safety limits for a safe, robot-to-operator collaborative environment.

Easy to use programming interface.

AC/DC Push-Pull TIG System

THG has created a full line of modular systems tailor-made for every customers' production needs. The AC/DC Push-Pull TIG System brings all of Fronius' capabilities to your fingertips for Agile Production at its best.



Specifications

Input	208 - 480 three-phase power
Wire Feeder Wire	Push wire feed with 4 roll wire feeder
Speed Feed	1 - 10 m/min 5 - 394 in/min
System Dimensions L x W x H	48in x 36in x 60in
System Reach	UR10e - 51in UR20 - 68.9in

The robots run from 120 volts to 240 volts.

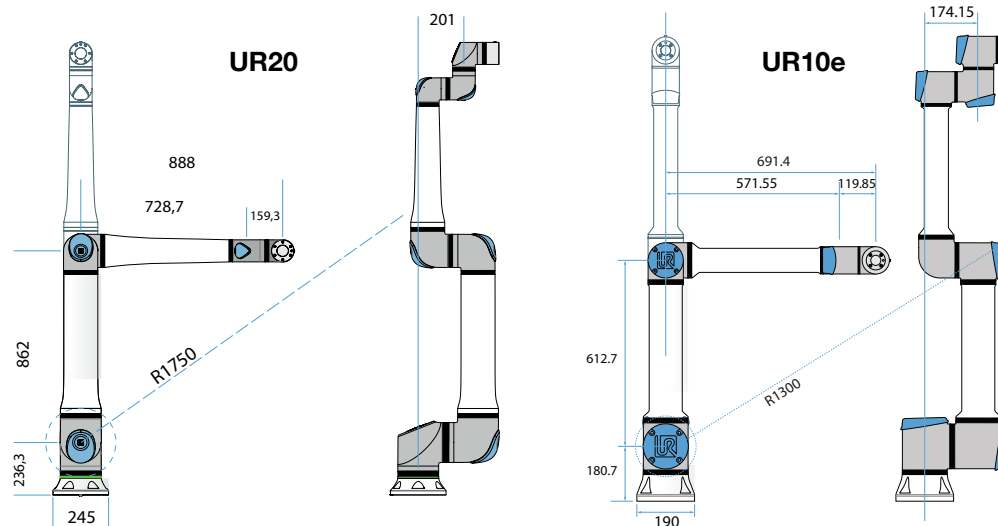
Fronius features:

- 300 amp AC/DC power source
- Water-cooled torch
- TIG Push wire feed system

Fixture kit per table:

8 X Professional Screw Clamp
(Nitrided) 24 X Short Fast Clamping Bolt (Burnished) 16 X 5" Universal Stop (Nitrided) 8 X Stop and Clamping Square (12" Tall) (Nitrided) Table Maintenance Set

- World-class welding processes for perfect welds
- Welds carbon steel, stainless steel, aluminum, and other metals



thgautomation.com
Contact Sales - (317) 593 - 5575
sales@thgautomation.com



UNIVERSAL ROBOTS

