

TOPTIG® FAB-PAK®

TIG Quality. Robot Consistency.



*Representative design of a standard robotic welding cell



Designed to revolutionize robotic TIG welding, TopTIG® Fab-Pak® delivers TIG quality welds while automating the welding process. The TopTIG patented design feeds filler metal through the nozzle for precise weld placement versus conventional automated TIG welding. Ideal for simple or complex structures, Lincoln Electric's robotic TIG solution can increase operational efficiency by as much as 300% by reducing scrap and rework, increasing travel speed and deposition rates, and improving weld bead appearance.

- **Low system complexity** – All-in-one palletized robotic welding system
- **Operational efficiency** – Greater part repeatability and weld consistency
- **Maximum productivity** – Increase deposition rates compared to conventional TIG process

Ideal For »

Small to medium size parts, especially saddle joints on fittings

Thin material (aluminum, stainless steel) and alloys

Part Examples »

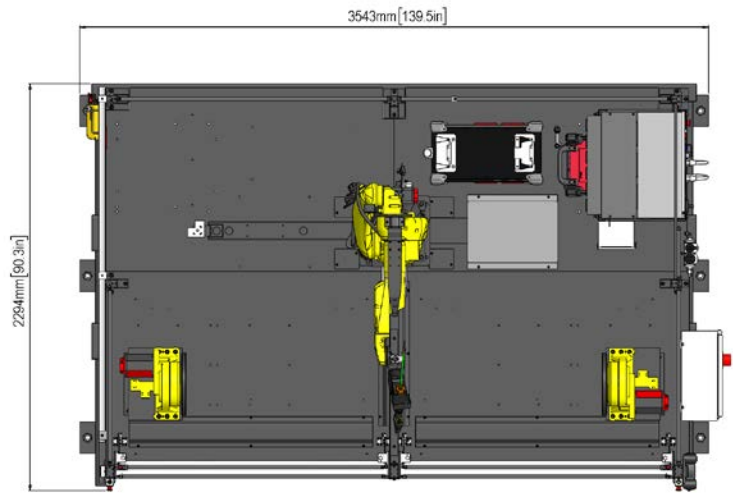
- **Automotive:** radiators, seat components, heat exchangers, exhaust, steering columns
- **Food storage vessels,** water tanks, brackets, handrails, bike frames
- **Pressure vessels/containerment,** bio-medical containers
- **Aerospace components**

What's Included:

- » TopTIG® Advanced Robotic Solution
- » Power Wave® power source
- » Power Wave® Advanced Module
- » Cool Wave® 20S Water Cooler
- » Headstock/tailstock positioner
- » FANUC® welding robot with TIG software
- » Solid metal panel walls
- » Advanced touch screen control panel
- » Robotic training (5 days)

Upgrades:

- » Fume extraction hood & system
- » Tooling and frame systems
- » Tilt-Rotate Positioners



Product Name	Sweep in [mm]	Span in [mm]	Capacity per Side lb [kg]	Overall Footprint W x L in (mm)	Overall System Weight lb (kg)
TopTIG® Fab-Pak (fixed-headstock; dual station)	29.5 [750]	39.4 [1000]	1102 [500]	139.5 x 90.3 [3543 x 2294]	5500 [2500]

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

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THE ONLY SINGLE-SOURCE AUTOMATION PROVIDER

Lincoln Electric Automation™ has built a solutions portfolio to include all of the competencies to support your need to improve productivity, quality and safety. Lincoln Electric Automation can modify or completely customize the creation of your weld cell to meet those precise needs.

With a global network of facilities and people, you'll get quick response and personalized attention. Contact us for more information on the types of solutions available to help you produce faster, more repeatable, higher quality results.