



# System 5

## SINGLE ZONE/FIXED TABLE SYSTEM

Dramatically enhance standard part production by improving productivity, quality and safety with the System 5 welding robot cell. It's good for your small to medium sized parts, and it does not require repositioning. The cell even takes minimal installation, because it's shipped completely assembled.

### **BENEFITS**

- 1. Easy to Install:** Steel skid structure with fork pockets for easy placement.
- 2. Ease of Use:** Push button operator controls.
- 3. Enhanced Operator Safety:** Integrated safety rated switches for enhancing operator protection.



**Automated  
Systems**



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Standard Specifications	
<b>Robot Arm</b>	FANUC® ARC Mate® 100iC, Teach Pendant and FANUC ArcTool™ Welding
<b>Power Source &amp; Feeder</b>	Power Wave® power sources and AutoDrive® wire drive
<b>Enclosure</b>	Completely painted steel enclosure, flash and safety barrier
<b>Weld Cell Controls</b>	Intuitive push-button operator controls
<b>Safety</b>	Fully integrated safety rated devices that are compliant with the latest ANSI and RIA standards.
<b>Work Zone Dimensions</b>	203 x 71 cm (90 x 28 in) or 102 x 71 cm (40 x 29 in)
<b>Floor Footprint</b>	244 x 178 cm (96 x 70 in)
<b>Weight Capacity</b>	500 kg (1000 lbs)
<b>Training</b>	3 day expert robotic instruction from AWS certified robotic arc welding instructors
<b>Documentation</b>	Complete system kit: operator's manuals, maintenance guides, spare parts lists, calibration numbers and serial numbers, prints, supplier references and specifications, and electronic manuals and tools

### Featured Options

- Power REAM® - Robotic torch maintenance center, wire cutting, reaming, and anti-spatter spray station.
- Choose air-cooled or water-cooled torch package with Cool Arc® water cooler.
- Fume extraction system: Extraction hood and fan or deluxe package including extraction hood, fan, lighting kit and filter system.
- Interior task lighting.
- On-site weld part programming.
- Service and preventive maintenance programs.
- Weld process development.
- Robotic Power Wave family.
- Software Options from FANUC Robotics:
  - Torch Guard and Collision Guard - Detect collisions and stops the robot and adjustment of Tool Center Point.
  - Password Protection - Restricts user access beyond specific areas on the teach pendant.
  - Through-Arc Seam Tracking (TAST) - Automatically adjusts the robot's vertical and lateral trajectory to compensate for part warping or misplacement.
  - Touch Sensing - Automatic path change to compensate for object displacement.
  - WeldPRO™ - Offline programming.
  - iRVision™ - 2D vision software system.



### 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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Lincoln Electric's alliance with FANUC Robotics translates into an unparalleled combination of welding and robotics expertise, along with single-source efficiency. Whether you're considering your first automated cell, or you're ready to upgrade or enhance your existing robotic systems, there's no better partner than Lincoln Electric and FANUC Robotics.



### THE ONLY SINGLE-SOURCE AUTOMATION PROVIDER

Lincoln Electric has built a solutions portfolio to include all of the competencies to support your need to improve productivity, quality and safety. Lincoln Electric 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 one of the below facilities for more information on the types of solutions available to help you produce faster, more repeatable, higher quality results.



**Automation Solutions**

[www.lincolnelectric.com/automated-solutions](http://www.lincolnelectric.com/automated-solutions)

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