



Auto-Mate

PRE-ENGINEERED ROBOTIC CELLS



Automation
Solutions





Step Into Automation

Are you a small manufacturer or job shop, and don't plan on staying small forever? You've navigated some challenges in the past decade, and one reason you survived is because you knew how to run a lean and efficient operation. You're stronger because of it, but now it's time to take the next step on the growth curve. Good welders are hard to find, and running lean is still part of your strategy, so new personnel may not be an option. You recognize that robotic technology may be the more practical solution.



A

DANGER
RADIOACTIVE AREA
UNAUTHORIZED PERSONNEL ONLY

*Estimated shortfall of
skilled manufacturing workers
in the United States,
including welders**

243k

38%

*Growth in the manufacturing
segment since 2009**

The Auto-Mate™ series of robotic cells from Lincoln Electric enables you to implement automated welding quickly and easily to enhance and grow your business. Our pre-engineered cells create an easy entry point for first-time buyers and an affordable stepping stone to a more elaborate and sophisticated system further down the line. Both systems enable MIG and flux-cored welding processes performed by a Fanuc® Arc Mate® OiB robot driven by a Lincoln Electric Power Wave® R350 power source. Power Wave software controls and monitors welding processes to deliver the highest levels of quality and productivity – exactly what you need to make that small business bigger and more competitive.

**Source: the U.S. Department of Commerce*

Entry Level

Automation From The Welding Experts™

Lincoln Electric has more than a century of welding expertise, and we have provided over one thousand robotic arms for customers around the world. The Auto-Mate pre-engineered cells are the culmination of knowhow gained from these integrations; a distillation of the most commonly requested features of our custom-built systems. Tap into that wealth of experience and turn your next small step into a giant leap.



Auto-Mate 5

- A single-zone system
- This system is suitable for weldments on medium-sized to larger parts.

Auto-Mate 10

- A two-zone system, but with the same footprint as the Auto-Mate 5
- If your process includes smaller parts, the robot can weld on one side while the operator handles parts on the other.

Ready To Go When You Are

QUICK DELIVERY

If you haven't already, you're starting to realize that your growth is dependent on making some bold moves. When you do make your decision to invest in automation, the last thing you can afford is long lead times for that investment to pay off. When we designed the Auto-Mate, we designed it for fast delivery and commissioning. Once you've made your decision, you can take delivery of your system in just 2 to 4 weeks.

EASY SETUP

Engineered for the first-time user of robotic systems, Auto-Mate's setup and programming procedures are intuitive and user friendly. Our free training program takes you through the first steps of operation and gets you up and running quickly, so you can reap the benefits of your investment quickly.

STANDARD SPECIFICATIONS

Robot Arm	FANUCARC Mate OiB
Power Source & Feeder	Lincoln Electric Power Wave R350 with AutoDrive® 4R100
Enclosure	Completely painted steel enclosure, flash and safety barrier
Weld Cell Controls	Intuitive push-button operator controls
Safety	Fully integrated safety rated devices that are compliant with the latest ANSI and RIA standards.
Work Zone Dimensions	80 x 28 in (203 x 71 cm) or (2) 40 x 28 in (102 x 71 cm)
Floor Footprint	96 x 70 in (244 x 178 cm)
Weight Capacity	up to 1000 lbs (454 kg) with associated tooling
Training	3 day expert robotic instruction from AWS certified robotic arc welding instructors in Cleveland
Documentation	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

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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