


Automate Welding with UR+ Solutions and Components.

Welding

UR+ Application Directory



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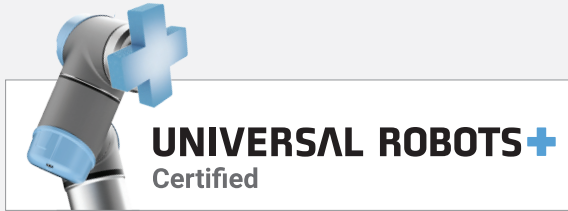
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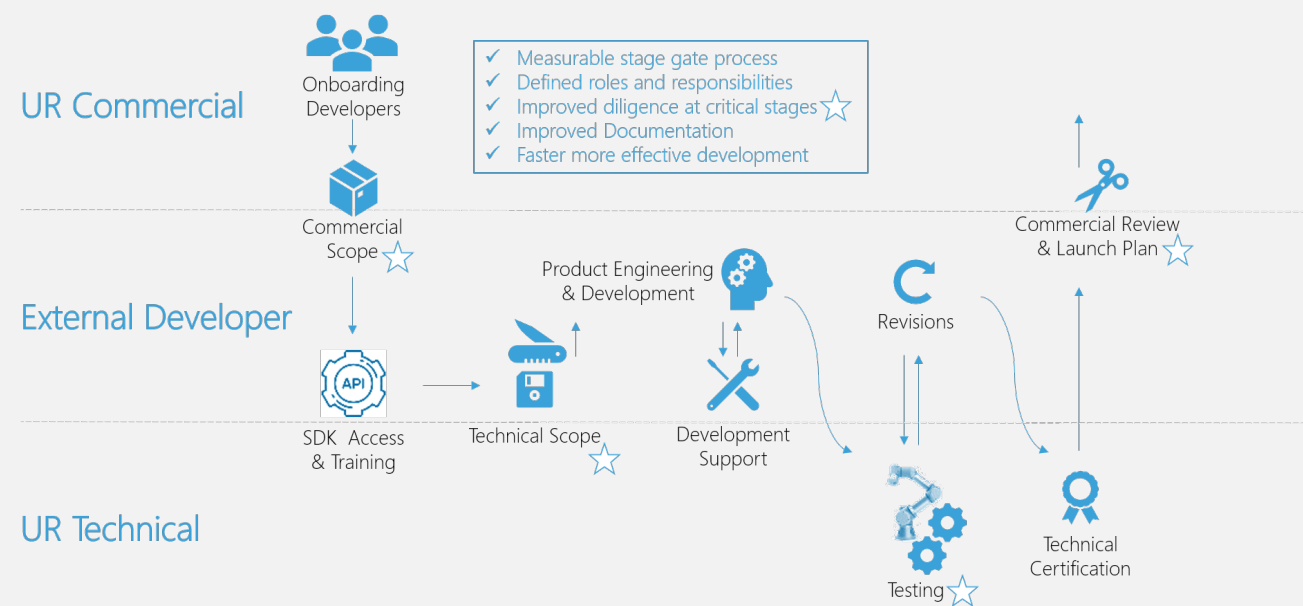
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UR+ is the world's first ecosystem of third-party solutions, peripherals, and accessories for Universal Robots' collaborative robots (cobots). By combining the UR platform with the talent of the industry's largest ecosystem, UR+ provides users access to a collection of solutions and components designed for application success.

- ✓ Simplified Application Kits
- ✓ Plug-and-Produce Products
- ✓ Faster Deployment And ROI
- ✓ UR+ Certified

Universal Robots believes that a third-party ecosystem approach is the best way to get complete cobot solutions in the hands of customers. There is no limit to the new solutions and opportunities that UR+ will open for customers and partners going forward. As cobot automation continues to grow and move into new application areas, new end-effector and accessory developers with useful new solutions will keep expanding.



Kits



CoboWeldMIG

The CoboWeldMIG by Melton Machine & Control Company is a complete modular welding unit designed for flexible welding automation. The CoboWeld software integrates the GMAW equipment to the robot system for easy to use, easy to train, and allows fast programming for production requirements. Welding parameters can be adjusted from the pendant, saved, and reused for specific applications. Programming capabilities include weaving, torch angle adjustment, tack welding, linear welds, and circular welds. Compatible with the [UR5e](#), [UR10e](#), and [UR16e](#).



CoboWeldTIG

Developed by Computech Manufacturing Co. Inc., CoboWeldTIG is a software and integration kit designed for flexible welding automation. The software integrates the TIG equipment to the robot system for an easy to use, easy to train and allows fast programming for everyday production requirements. Programming capabilities include weaving, torch angle adjustment, tack welding, linear welds, and circular welds. Compatible with the [UR5e](#), [UR10e](#), and [UR16e](#).



THG Automation Collaborative Welding Solution

The Automation Collaborative Welding Solution by THG Automation is a system that comes equipped as a push system or a full-featured CMT powerhouse. Compatible with the [UR10e](#), the system is used for welding development labs, low volume part production, repair stations, feasibility studies, and to augment manual welding stations.



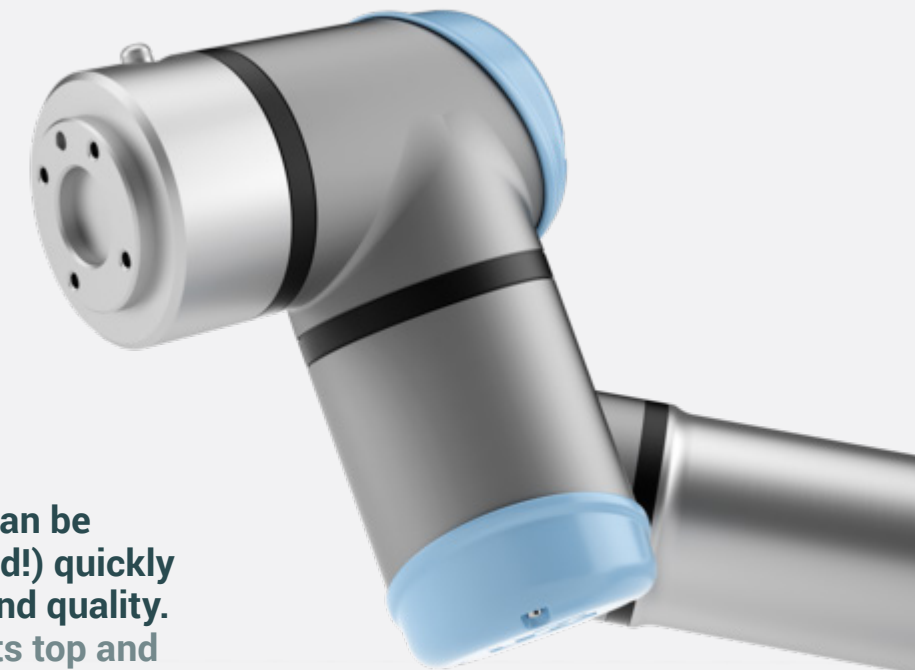
SnapWeld Welding Package

Specialties' SnapWeld package is an interactive welding system that can be easily deployed in existing, manual welding booths. Compatible with the [UR5e](#), [UR10e](#), and [UR16e](#), the welding system is comprised of a Profax wire feeder and water-cooled torch enabling welds up to 600 amps. Torch bracket, all cables, and hose packages are included. Settings include features such as wire feed speed and burn back time, gas flow time, and crater fill time with instant feedback on welding volts and amps.



Vectis Cobot Welding Tool

The Vectis Cobot Welding Tool is a fully integrated ready-to-weld system. Powered by a Universal Robots [UR10e](#) or [UR5e](#) cobot, the system is on a 3ft x 6ft portable modular fixturing cart, electrically isolated to the tabletop surface, and has no anchoring or dedicated footprint required. The system has a control interface between the UR cabinet and the welding equipment to control voltage/trim, wire feed speed, crater fill, pre-flow, post-flow, and supervisory signals.



UR collaborative robots can be deployed (and re-deployed!) quickly to improve productivity and quality. Cobot automation impacts top and bottom line performance at a low total cost that delivers competitive ROI.

Cutting



SnapCut

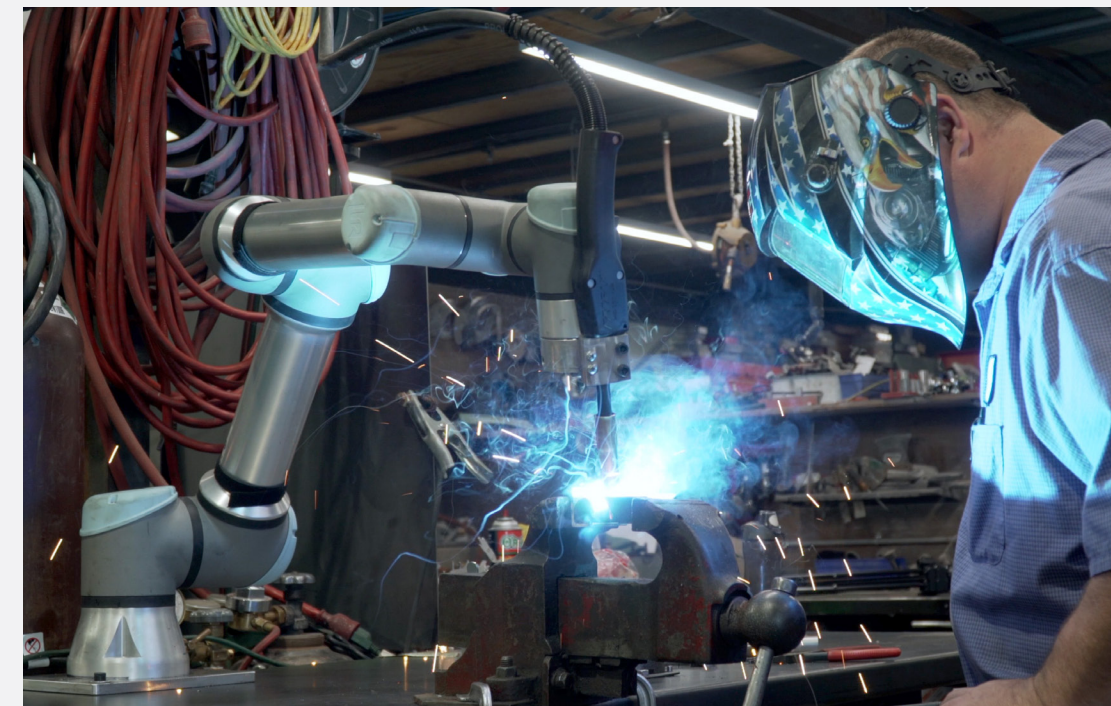
SnapCut by Arc Specialties, allows non-welders and non-robot operators the ability to cut shapes into three-dimensional, structural-steel components. The system utilizes UR cobots to manipulate a Hypertherm cutting torch to the desired positions around the cutting path. Included in the SnapCut software are standard shapes such as squares, rectangles, circles, or C-channels that can be selected for parametric programming. Compatible with the [UR5e](#), [UR10e](#), and [UR16e](#).

“ For 40 years, robotic arc welding has evolved incrementally. And now, collaborative arc welding is the first disruptive technology to hit the robotic welding market since the introduction of DC servo powered robots.

Joe Campbell
 Senior Manager, Strategic Marketing & Application Development
 North American Operations, Universal Robots

KEY VALUE DRIVERS

- Delivery in weeks not months
- Program in days not weeks
- Re-deploy in hours not weeks
- ROI in months not years



Brazing & Soldering



Dragon 15

Ultraflex Power Technologies' Dragon 15 is a heating system able to fully automate brazing processes with the addition of a UR cobot; compatible with the [UR10e](#) and [UR16e](#). The integrated induction coil mounted directly onto the cobot is capable of brazing multiple joints by applying controllable heat precisely positioned by the robotic arm. The system can be integrated to accommodate different production line speeds and multiple assemblies and can be used for brazing copper to copper, copper to steel, brass to copper, and aluminum tubes.

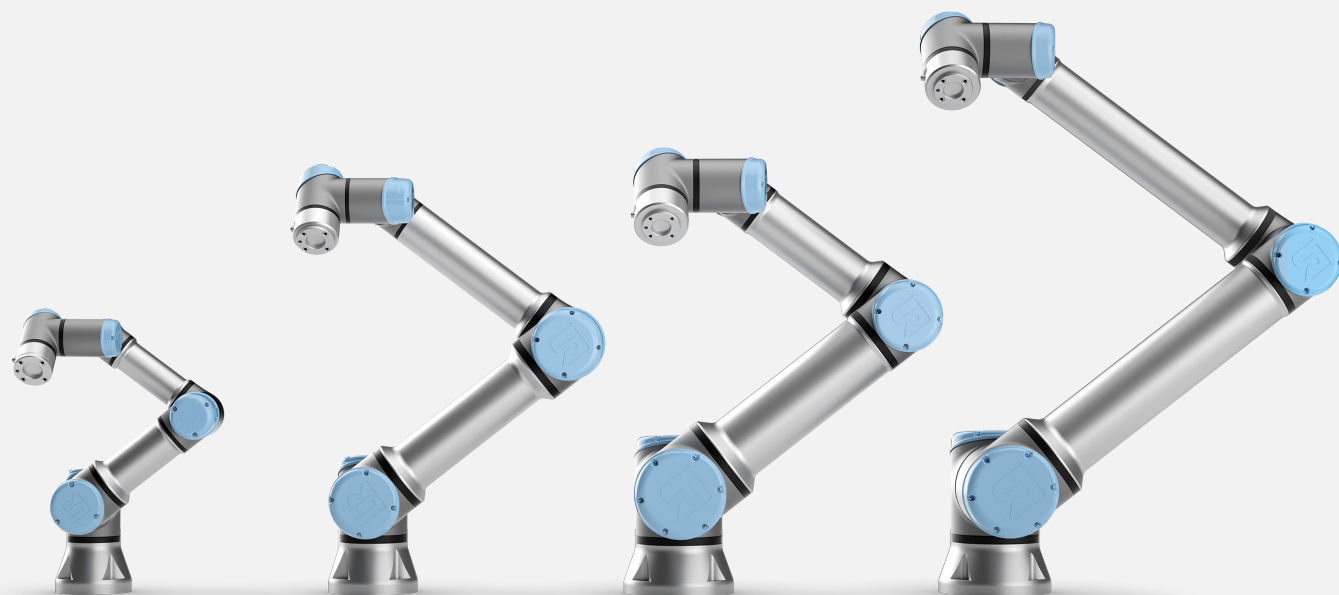


Hakko Soldering

The Hakko Soldering Kit by American Hakko Products is a soldering iron and solder wire feeder that enables the robot to perform manual soldering tasks. This product can automate virtually any hand soldering process by increasing the overall throughput and consistency of the solder joints. The FU-500 Intelligent Solder Feeder automatically feeds the solder wire to a specific position and allows for easy adjustment of the solder feed position. Compatible with all UR cobots, the Hakko FU-601 soldering station can receive a temperature setting from the FU-500 feeder station.

Improve workplace safety by allowing a UR cobot to handle dull, dirty, and dangerous tasks.

Using tested and certified UR+ products reduces the time, cost, and risk in any automation project.



Other Resources

- [Welding Application Fact Sheet](#)
- [White Paper: Automation in Welding](#)
- [Case Study Library](#)
- [Welding Blogs](#)

Our experience deploying over 50,000 cobots has taught us the value of simple, flexible tools and services that allow manufacturers of all sizes to increase productivity. Universal Robots' teams near you are developing fast, flexible, and affordable automation systems across many industries.

Ready to automate your welding applications?

Discover how you can improve machine and floor utilization, decrease scrap and re-work, and fill orders faster.

Universal Robots' cobots are handling dull, dirty, and dangerous tasks making manufacturing processes more productive and efficient while freeing up skilled employees for more valuable work.



Want to see UR cobots welding parts like yours? Let us show you how to simplify automation for your small business. [Schedule your automation assessment here.](#)

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