UR+: The ecosystem Powering Scalable Automation

Every automation project starts with the same challenge ...

Integrating tools, sensors, software, and safety into a single, reliable system, without fragile code, custom engineering, fragmented HMIs, or unpredictable behavior.

Traditional integration requires stitching together multiple vendors, interfaces, and controllers, often resulting in long deployment times, higher risk, and complex lifecycle maintenance.

What is UR+?

UR+ is a unique collaboration between Universal Robots and leading manufacturers of end-of-arm tooling, sensors, vision systems, software, safety application kits, and more.

The result is a comprehensive ecosystem of approved products that integrate natively with Universal Robots, enabling plug-and-play deployment and a unified user experience. Founded in 2016, the UR+ program today includes hundreds of partners and products,, supporting applications from simple material handling, through vision-guided robotics, to complex multi-step operations to complex, multi-tool automation systems.

< An intricate assembly task at EVCO Plastics in Wisconsin, placing gearboxes into lawn mowers, is now greatly simplified in an application integrating three UR+ products; the vision camera, the part feeder, and the external force/torque sensor are all controlled and operated directly from the UR teach pendant. The seamless setup saved the company weeks of integration time.

Build on a reliable platform, powered by PolyScope X

Proven Ecosystem
Reduce integration risk. Deploy with confidence.

UR+ gives partners, OEMs, and integrators access to a proven ecosystem of over hundreds approved components and software solutions from 300+ partners worldwide.

- UR+ products are tested for compatibility and reliability
- Predictable behavior simplifies risk assessment and certification
- No custom wiring, adapters, or low-level driver development
- Comprehensive developer resources via UR Developer Suite, and Community support through the UR Forum reduce development & integration time and cost

Developer Freedom on PolyScope X
Modern tool. Faster build. Easier scale.

UR+ is built on PolyScope X, providing a modern, developer-first software foundation.

- Build your applications the way you want - whether you are an experienced robot programmer or new to robotics.
- Flexible architecture supports rapid solution development, testing & deployment, reducing time spent on foundational engineering tasks.
- Dockerized backend enables containerized package management for consistent revision control across environments.
- Free SDK + robust documentation, training resources, and UR-backed support.

Go-to-Market Growth & Reach
Global visibility. Trusted channel to customers.

UR+ connects partners directly to a global installed base of UR customers.

- Gain present on UR's Marketplace website to help customers discover your solution
- Reach a large installed base of 100,000+ Universal Robots referenced.
- Direct access to 900+ distributors, system integrators, and OEMs building on UR.
- Leverage co-marketing, event participation and direct UR support to accelerate customer adoption and build

Who benefits?

By definition, an ecosystem should benefit all stakeholders. UR+ delivers on that promise.

UR+ partners want to grow their business into new markets while standing out in a crowded automation ecosystem.
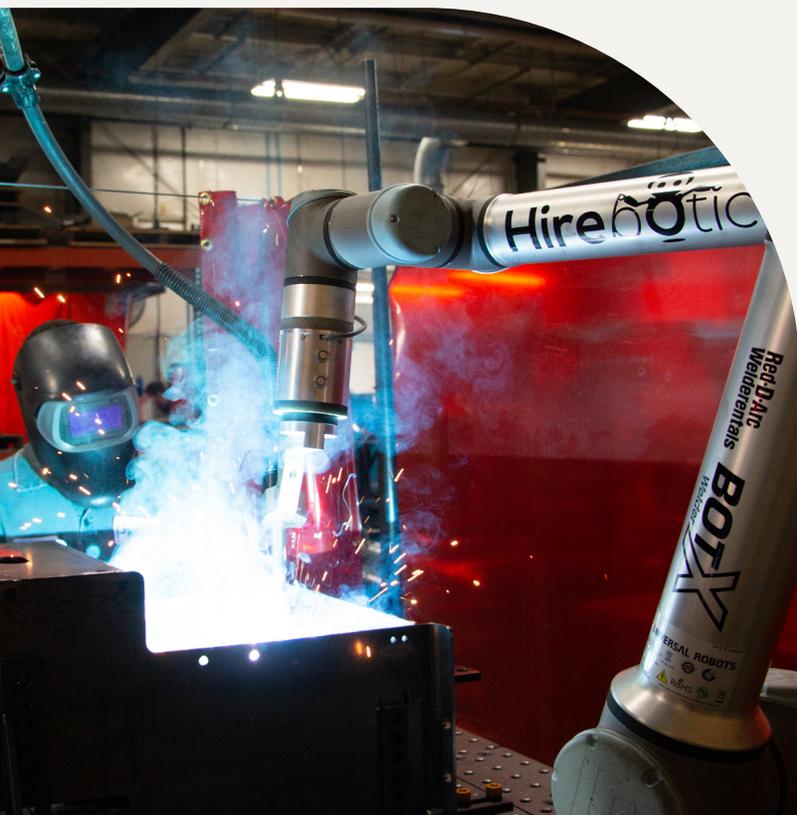
- Direct access to a global installed base of 100,000+ Universal Robots worldwide.
- Network with 900+ distributors, system integrators, and OEMs building on the UR platform.
- Increased visibility and leads through dedicated UR+ Marketplace pages.
- Opportunities to be selected to participate in events and co-marketing.

OEMs OEMs building standardized automation solutions must balance differentiation with scalability, while minimizing costs and accelerating time-to-market.

- Leverage validated UR+ technologies to reduce custom development effort.
- Faster time-to-market for scaled, repeatable, standardized solutions.
- Reduced bill-of-materials by building directly on the robot controller and teach pendant.
- A proven platform that makes UR a strong foundation for scalable OEM offerings.

End users want automation that is fast to deploy, easy to operate, and low risk.

- Streamlined system installation and faster start-up of complete solutions.
- Simplified day-to-day operation of robot systems.
- Reduced time, cost, and project risk for automation initiatives.
- Internal integration teams benefit from the same advantages as professional system integrators.

System Integrators are under constant pressure to deliver projects on time, on budget, and on spec, while keeping engineering effort and risk under control.

Start from proven, plug-and-play products from UR+
UR+ gives integrators and end users a strong foundation to build automation solutions without starting from scratch.
• Hundreds of approved components, software modules, and kits
• Broad coverage across vision, gripping, feeding, screwdriving, dispensing, welding, palletizing, safety, and more
• Pre-validated components, software, and kits designed for Universal Robots
• Pre-configured electrical and mechanical interfaces
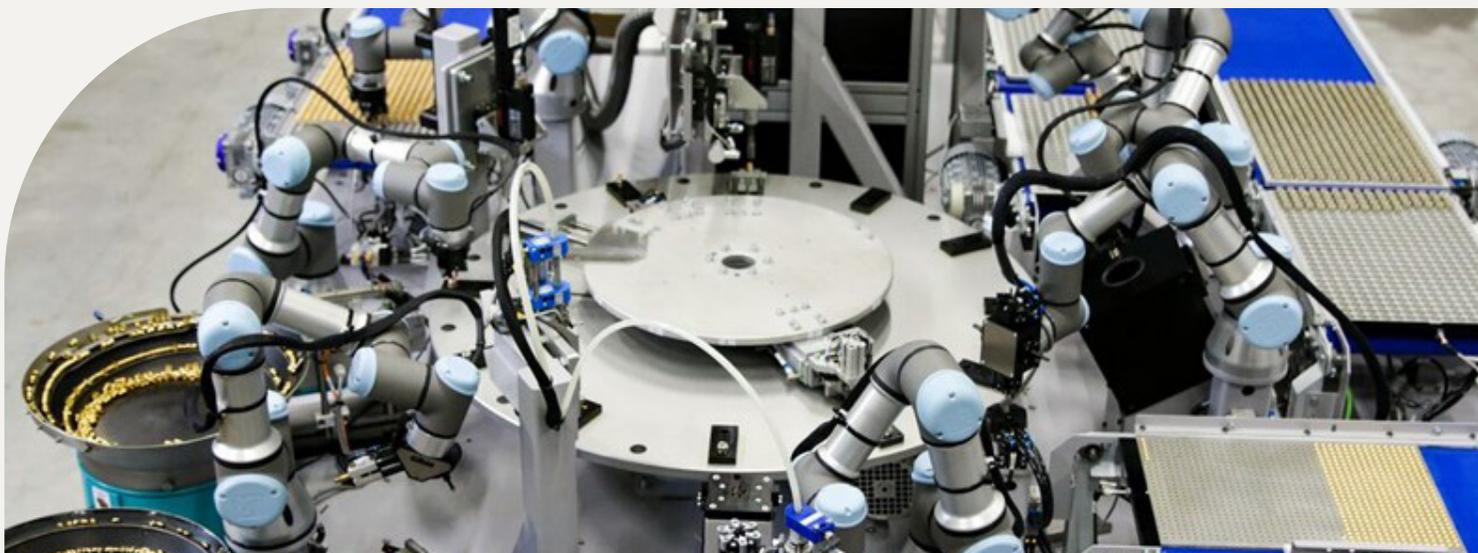
One integration layer via URCaps
URCaps embed partner device functionality directly into the Universal Robots PolyScope X software environment.
• Setup, calibration, diagnostics, and operation handled in one workflow
• Integrated HMIs to avoid a fragmented user experience
• Consistent and intuitive operation across applications

PLC-capable open system architecture — operator-ready when you need it
UR+ is designed for industrial automation environments where PLCs, IPCs, and higher-level systems play a central role, while remaining fully capable of running standalone when a PLC is not required.
• Universal Robots handles device-level integration across tools, vision, safety, and software
• Full freedom to orchestrate systems via PLC, IPC, or higher-level control
• URCaps abstract device complexity while supporting PLC-driven architectures
• Optional operator-ready operation directly from the UR teach pendant
• URCaps coexist with low-level URScript execution and external triggers

Columbia/Okura's new miniPAL+® is a turnkey palletizing system that includes the UR20 cobot arm, safety area scanners, radar, guarding, built in pallet jack pockets, the CPT vacuum gripper from PIAB, and PALLY; palletizing software from Rocketfarm, certified through Universal Robots' UR+ platform for UR cobots.

The power of PloyScope X

At the core of UR+ is PolyScope X, Universal Robots' software for integrating third-party products into UR robots—scaling from simple IO-based tools to full applications.
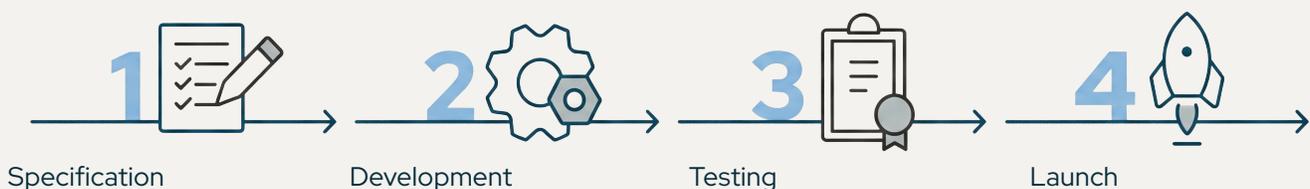
1- URCaps

URCaps provide a powerful software integration layer that embeds advanced partner functionality directly into PolyScope X. URCaps enables:

- Native device control and configuration
- Unified setup, calibration, and diagnostics
- A consistent, operator-ready experience on the UR teach pendant

2- Modules & functions

For simpler products, PolyScope X eliminates the need for a full URCap. Using built-in modules, functions, and IO handling, integrators can:

- Control simple tools directly through IO
- Trigger actions using wait states and logic
- Build clean, reliable programs without custom software

1 Specification **2** Development **3** Testing **4** Launch

1– Scope the product and gotomarket approach

Work directly with your regional UR+ Ecosystem Manager to scope your product, design archecture, business model, and target applications. Together, you align on expectations across product, marketing, sales, and services, and define a clear gotomarket direction.

2– Develop and integrate your UR+ product

With support from UR's Development Consultant team, you define the technical specifications and development timeline. This phase includes the design of the electrical, mechanical, and software inteerfaces to the robot. Here you finalize your Bill of Materials, developing the URCap and functions/modules, and complete the product documentation. UR can also connect you with experienced thirdparty consultants to help you develop if needed.

3– Validate compatibility, usability, and quality

Your product is tested by UR engineers to ensure compatibility with Universal Robots, covering mechanical, electrical and software validation. Testing includes iterative feedback. Upon completion, you receive a UR+ Test Completion Report.

4– Go to market as an approved UR+ product

Finalize your webpage and submit marketing material for your UR+ Marketplace page. Create sales materials with support from your UR+ Ecosystem Manager. Once launched, your product is listed on the UR Marketplace and authorized to use the UR+ Approved logo.

UR+ Products – by Category

UR+ Products can be found on the UR Marketplace at
universal-robots.com/marketplace

Components

Peripherals and accessories, such as grippers, sensors, 2D and 3D vision systems, range extenders, parts feeders, tool changers, cable dress packages, and more.
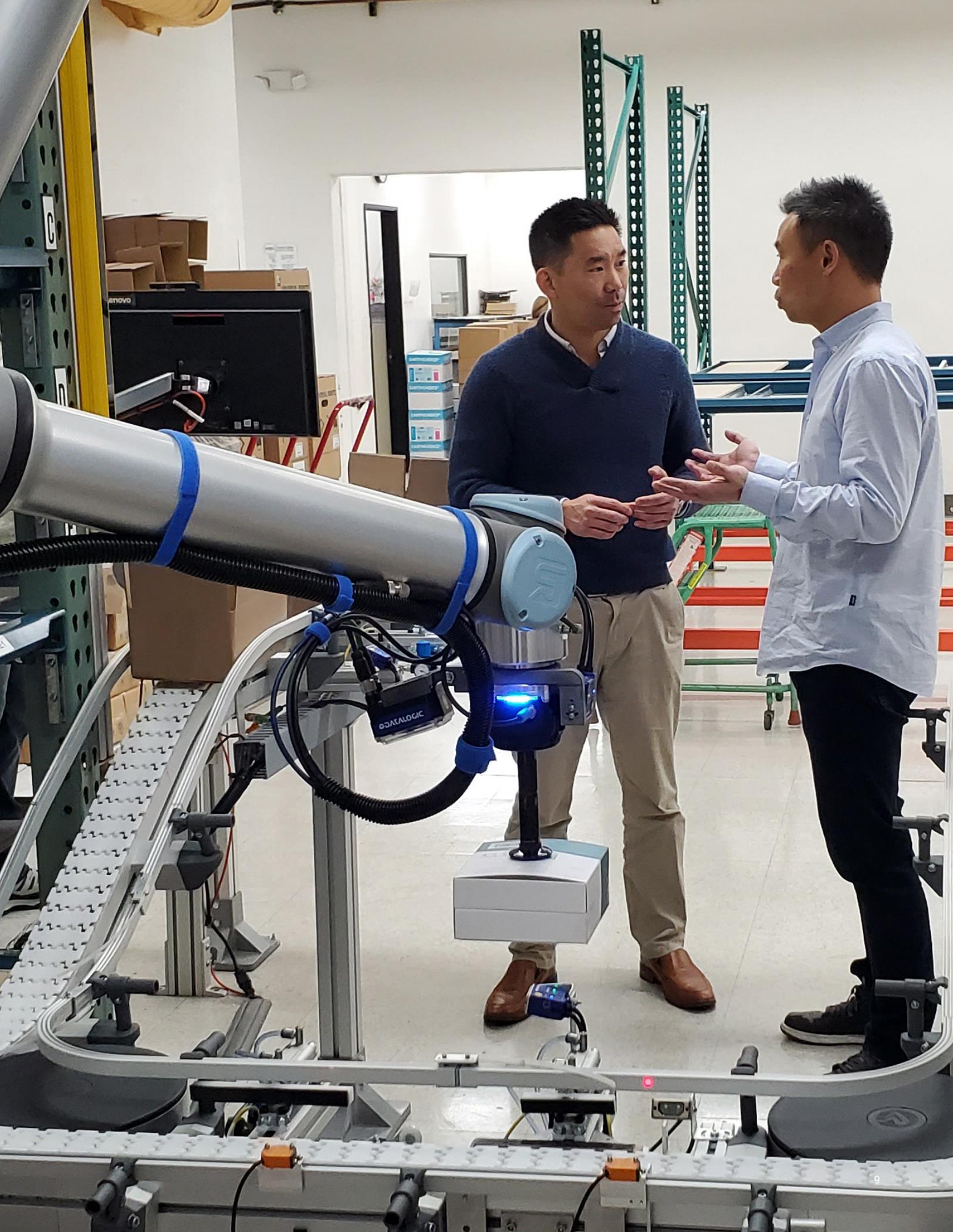
Software

Add-on software modules such as remote access, file management, communication tools, advanced calibration, application tool kits, remote operations & troubleshooting, simulation, machine interfaces and more.

Solutions & Kits

Complete application kits and systems, such as welding, cutting, packaging, case erecting, palletizing, machine tending, surface finishing, labeling, screwdriving, dispensing, and more.

UR+ in Action

Raumland GmbH is a contract wine bottling and shipping operation that was manually palletizing over 40 tons of wine cartons daily. See how a single PE20 Palletizer from UR+ partner Robotiq took over the tedious and demanding job of palletizing, improving working conditions and job satisfaction for Raumland's team.

See how Go Fast Campers leveraged UR+ products from Robotiq and Autodesk to automate machine tending on four Haas machine tools – delivering 22 hours of production per day with a single operator.

See how the Cobot Welding Tool from UR+ Partner Vectis Automation helped Centerline Brackets resolve acute labor shortages, slash forced overtime to zero and reduce costs to compete with overseas suppliers. After a million welds and a three month ROI, Centerline is automating more parts with the Vectis system.

UNIVERSAL ROBOTS
A Teradyne Robotics Company

> " The biggest difference is the setup time. UR robots interface well with many products. UR has really been on top of continuously improving compatibility, which was really important to us."

Jason Glanzer
Automation Engineer, EVCO Plastics

How UR+ strips complexity out of robot engineering

Engineers from UR+ partners and UR's in-house developers have completed the heavy development activities to integrate UR+ products into UR's hardware and software environment. Here are two examples that show the power of the UR+ ecosystem in action:

A gripper seems so simple, but UR+ simplifies the installation process to another level. The application of a UR+ gripper is measured in minutes, and is simplified in 3 easy steps:
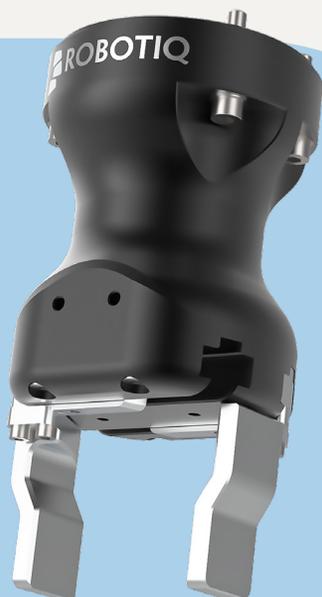
1 Mount the gripper (no mechanical adaptor needed)

2 Plug in the cable to the standard EOAT I/O connector

3 Load the URCap software directly into the UR teach pendant.

The gripper is now ready to be set up and controlled directly from the UR teach pendant.

Full 2D or 3D vision integration is typically complex, requiring significant software development across both the robot and the vision system. UR+ vision partners remove this burden by delivering imaging control, calibration, communication, and vision logic directly through the UR teach pendant.

With UR+ vision products there is no separate controller to manage or develop code for, no communication drivers to troubleshoot, no bugs to chase down, no documentation or application specific user manuals to write.

By leveraging PolyScope and a URCap, UR+ vision partners reduce what normally takes weeks to less than an hour. Mount the camera, connect it to the UR controller, and load the URCap into the UR teach pendant, it's that simple.

Interested in becoming a UR+ Partner?

Getting started with the UR+ program is easy.

Go to universal-robots.com/partner/partner-program and ask for the UR+ Onboarding Form to start the process.

One of the UR+ team members will contact you to review your input and discuss next steps.

" The UR+ ecosystem is delivering real value to UR systems integrators, OEM's and end users around the world. It's helping us to simplify the deployment of cobots in every industry, bringing the benefits of automation to companies large and small."

Keith Fox
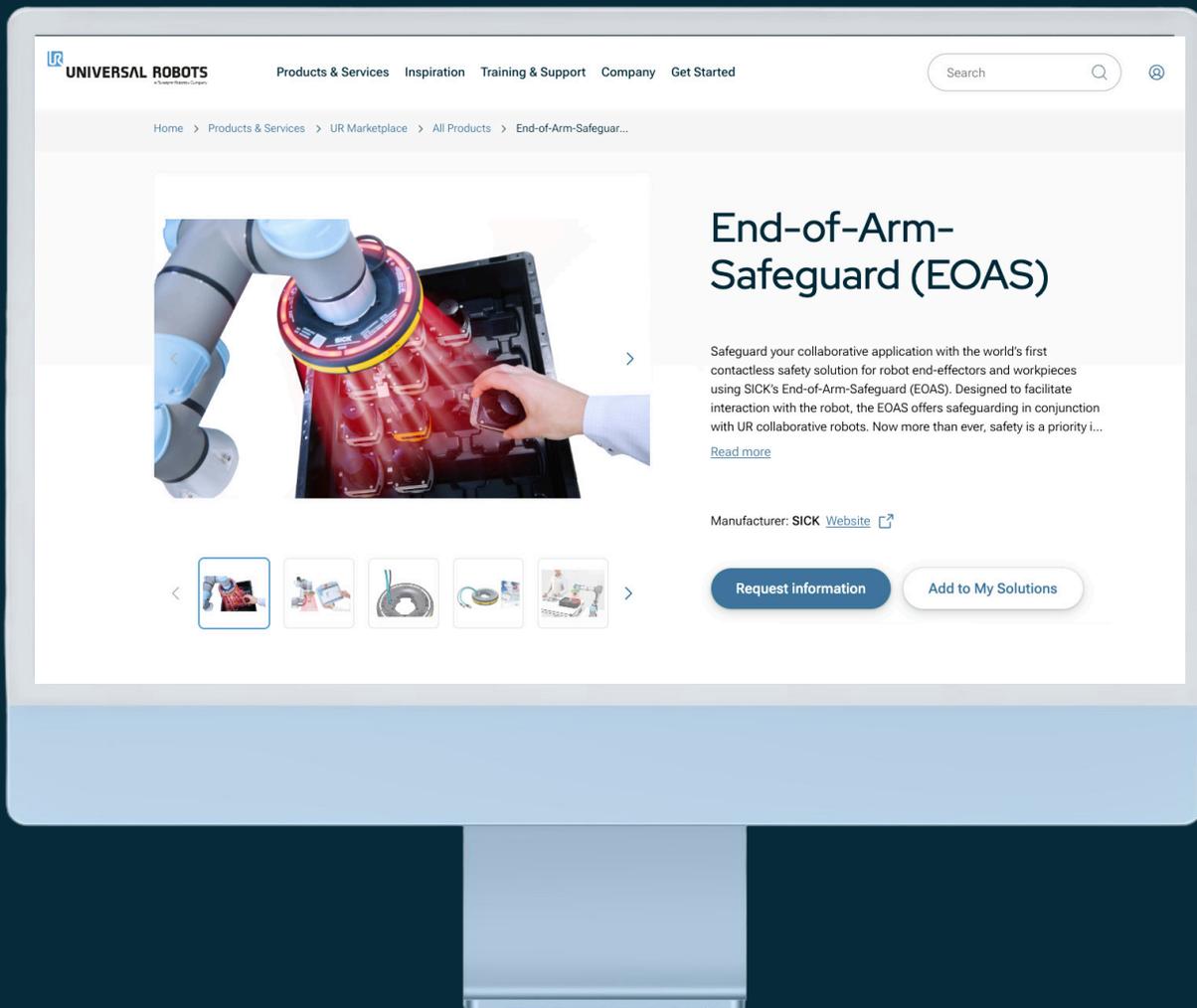Chief Product Officer, Universal Robots

The UR+ logo is only awarded to products that have been tested and approved for the UR+ ecosystem. >

∨ All UR+ Products are listed on the UR MarketPlace.

Visit:
https://www.universal-robots.com/marketplace/

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End-of-Arm-Safeguard (EOAS)

Safeguard your collaborative application with the world's first contactless safety solution for robot end-effectors and workpieces using SICK's End-of-Arm-Safeguard (EOAS). Designed to facilitate interaction with the robot, the EOAS offers safeguarding in conjunction with UR collaborative robots. Now more than ever, safety is a priority i...

Read more

Manufacturer: SICK Website ↗

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