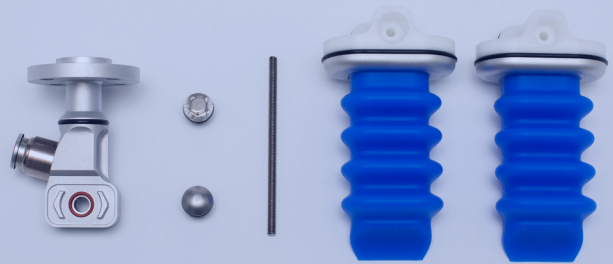


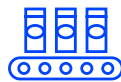
Soft Robotics designs and builds soft robotic automation systems that can grasp and manipulate items with human hand-like dexterity. Leveraging patented material science and air actuation, the revolutionary gripping system conforms to an object and picks it with no sensors, complex vision or numerical computation.



INTRODUCING *mGrip* P2 UR+ Kit



mGrip is an **on-demand, modular gripping system** from Soft Robotics. The *mGrip* P2 UR+ kit is our one-of-a-kind soft robotic gripping system, specifically designed for Universal Robots. The *mGrip* P2 UR+ kit enables adaptive handling of unstructured tasks and objects of varying size, shape and weight. This single, integrated, and easy-to-use solution is perfect for automating applications like:



ASSEMBLY



PICK & PLACE



PACKAGING

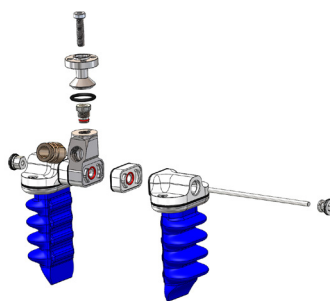
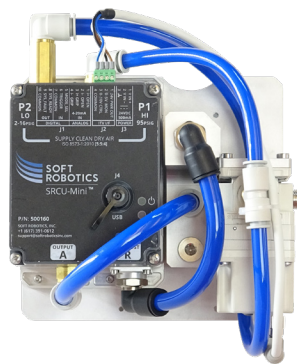
EASY TO USE

- **Robot-ready:** The P2 UR+ gripper comes ready to be mounted to any e-Series or CB-Series robot.
- **No sensor calibration:** Soft material conforms to the product being picked, eliminating the need for complex sensor calibration.
- **Plug-and-play:** Set and adjust grip pressure and stroke in the UR Cap.

PRODUCTION READY

- **Durable:** Factory-validated gripping platform that has withstood billions of cycles in production environments.
- **Versatile:** Modular design allows you to add or remove *mGrip* spacers to widen or narrow the gripping spacing from 40mm to 100mm.
- **Integrated:** The Soft Robotics Control Unit UR+ seamlessly installs inside of the Universal Robots Control Cabinet.





Kit Contents

1 Pre-assembled
two finger
gripper

1 Soft Robotics
Control Unit
Mini - UR+

(2) 5mm-30mm
spacers, in 5mm
increments

10mm
Air Fitting

UR Robot
Adapter

Pneumatic
Tubing

+ all necessary hardware to change grip spacing.

Specifications

| | |
|------------------------|--|
| Gripper mass* | 334g |
| Max Grip Force | 2.5lbs per finger |
| Operating Pressure | 0-14psi |
| Power (for controller) | 24V |
| Grip Closing Time | 88ms |
| Grip Open Time | 166ms |
| Air Input | 85-100psi input, ISO8573-1:2010[5:5:4] |
| IP Rating | Designed to IP67 |

*Represents mass of the gripper as it is configured at time of shipping. Adding spacers will increase mass.

The *mGrip P2 UR+* Kit contains parts created from Aluminum and Delrin®.
If you're interested in food safe parts, please contact Soft Robotics or your local Soft Robotics Authorized Distributor.

**WE ARE DRIVING THE
FUTURE OF INDUSTRIAL
MANUFACTURING.**

We believe that human beings should do human work. That it's technology's job to take on the dull, dirty and dangerous jobs. The repetitive work that until now, has been dependent on the human hand to complete. Soft Robotics frees people to do the work that people do best.

Learn more at [SoftRoboticsInc.com](https://www.SoftRoboticsInc.com)

P/N 800134 Rev B