

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.



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.



INTRODUCING **mGrip**



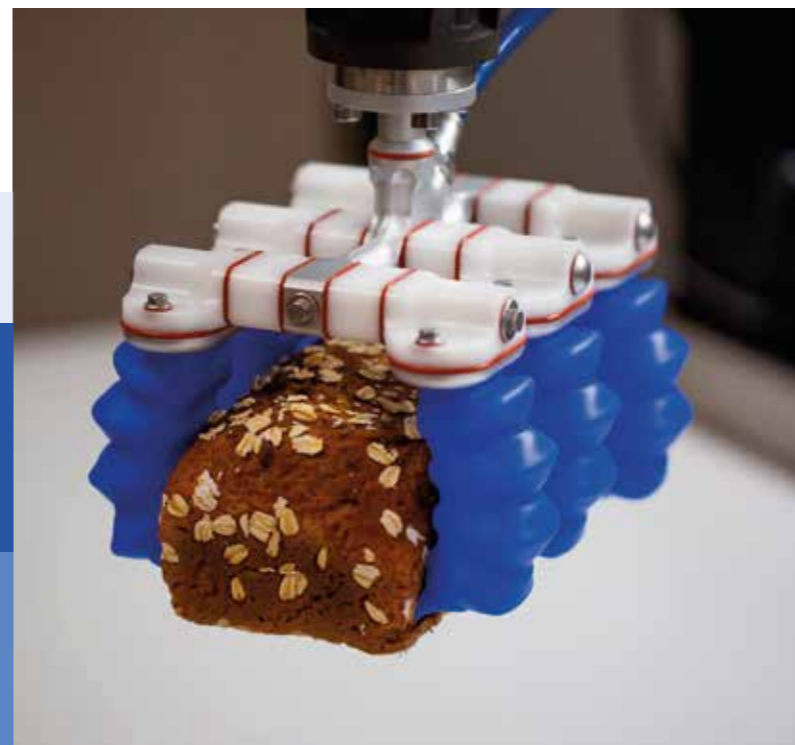
mGrip is an on-demand, modular gripping system from Soft Robotics. Developed with our award winning technology, mGrip brings infinite robotic grasping solutions to picking challenges that couldn't previously be automated. mGrip allows quick tool builds with limitless configurations and spacing options getting your end-users operational quickly. Each mGrip kit comes equipped with the components you need to build, validate and install production-ready systems in minutes. When paired with the Soft Robotics Control Unit, the mGrip gripper can cycle 3-4 times per second, keeping up with even the most demanding applications.

EASY TO BUILD, FAST TO DEPLOY

- Build production-ready grippers in minutes, getting your customers up and running faster than ever before.
- One tool conforms to new and changing productions in real-time, ideal for high-mix environments.
- Modular system can be modified and adapted quickly using mGrip spacers.

PRODUCTION READY

- Designed to keep up with the speed of any industrial robot when paired with any Soft Robotics Control Unit.
- Durable, factory-validated gripping platform that has withstood billions of cycles in production environments.
- Extra components and quick turnaround time on spare parts limit down time.



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

P/N 800134 Rev B

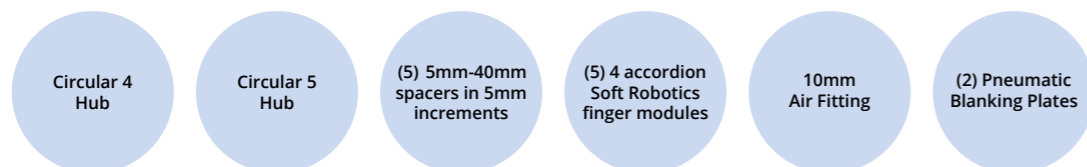
www.tecoma.net



mGrip Circular Kit

- All the components needed to build a circular tool with either 4 or 5 fingers
- Handles a wide set of geometries with a spacing range of 65mm to 155mm

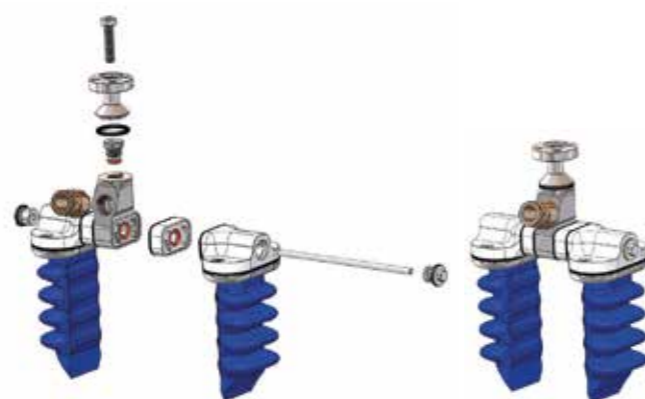
Kit Contents



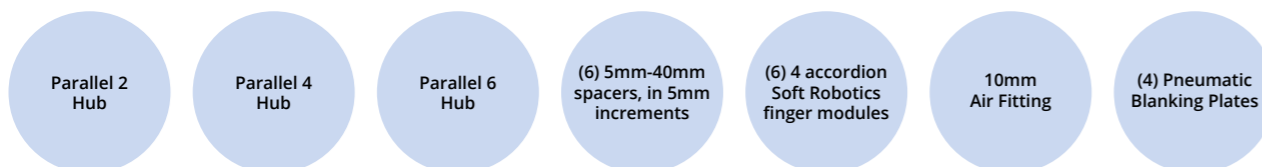
+ additional relevant hardware

mGrip Parallel Kit

- All the components needed to build a parallel tool with either 2, 4, or 6 fingers
- Handles a wide set of geometries with a spacing range of 40mm to 120mm



Kit Contents



+ additional relevant hardware

mGrip kits are offered in both a Standard (Aluminum) and Food Safe (Stainless Steel) option. Food Safe mGrip kits are compliant with (EC) 1935:2004 and meet the requirements of the United States FDA Codes of Federal Regulation 21 CFR concerning materials intended for repeated food contact.

Robot adapters and Soft Robotics Control Units are configurable at time of order

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P/N 800129 Rev A

UNIVERSAL ROBOTS+
Certified



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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.





WE KNOW ONE SIZE DOES NOT FIT ALL (APPLICATIONS)

INTRODUCING THE NEWEST ADDITION TO THE MGRIP ECOSYSTEM: THE MINI FINGER

Soft Robotics is proud to offer a range of finger sizes to best suit your application needs. Whether you're handling raw proteins, bags of liquid or consumer packaged goods, our fingers are designed to adapt to your growing SKU count. Now, with a range of finger sizes, you can confidently depend on Soft Robotics to handle what you never thought possible.



All finger sizes can also be configured for any custom tooling solution



THE SOFT ROBOTICS MINI FINGER

Designed with an expert grip, these mini fingers are perfect for the below applications.



Picking and Placing into and out of tight/small spaces



Small, delicate items requiring Precise Placement/Picking

Learn more about the full range of Soft Robotics mGrip solutions and finger sizes at softroboticsinc.com