

INTRODUCING
mGrip Cobot Kits

Powered by our new coDrive™ Technology

The Truly Collaborative Gripping System

Looking for true gripping adaptability in an easy to deploy package?

Cobot Kits combine our patented Soft Robotics technology with an integrated air source to flex with your changing robotic needs.



This product is for new and existing Universal Robots users who...

- ✓ Need fast deployment.
- ✓ Require a flexible and scalable gripping system.
- ✓ Desire a gripper with best-in-class adaptability.
- ✓ Want to minimize tool changeovers.

THIS SINGLE, INTEGRATED, AND EASY-TO-USE SOLUTION IS PERFECT FOR AUTOMATING APPLICATIONS LIKE:



COMPATIBLE WITH ALL UNIVERSAL ROBOTS

PRODUCTION READY

- Award-winning, industrial-grade mGrip paired with coDrive's self-contained air source for ultimate reliability.
- The gripper is designed using soft, flexible fingers and rounded surfaces to help keep your employees safe.

EASY TO USE

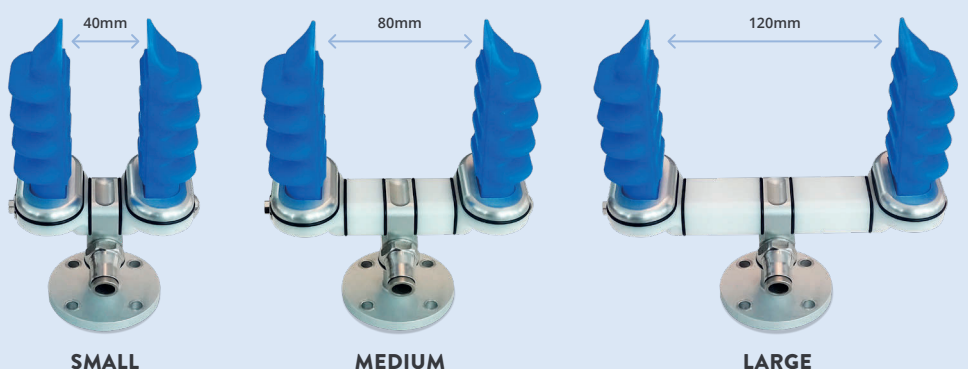
- Our mGrip Cobot Kits are as easy to set up as your Universal Robot.
- Purpose built for Universal Robots. Controller mounts directly into the UR cabinet and includes URCap plugin for easy programming.

FLEXIBLE DEPLOYMENT

- No Air? No problem! The integrated air source allows you to deploy anywhere, in any facility.
- mGrip is reconfigurable in minutes to help meet your changing product and redeployment needs.

Flexibly change the gripper sizing to meet your needs.

Whatever they might be, whenever they happen.



SMALL

MEDIUM

LARGE

INSIDE YOUR COBOT KIT

All tubing, fittings and relevant hardware are also included.

mGrip P2 Cobot Kit

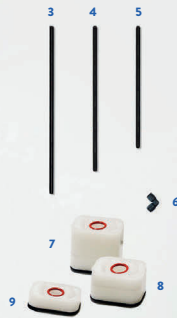
A plug-and-play solution optimized for small to medium sized items.

SOFT ROBOTICS GRIPPER SYSTEM



- 1 coDrive™ Control Unit
- 2 2 Finger Parallel Tool
 - a - (2) 4 Accordion Finger Modules
 - b - 50mm Robot Adapter

ADAPTABLE HARDWARE



- Spacers and Tie Rods enable real-time flexibility to change your grip spacing.
- 3 145mm Tie Rod
 - 4 125mm Tie Rod
 - 5 105mm Tie Rod
 - 6 8mm Pneumatic Tubing Elbow Union
 - 7 (2) 30mm Spacers
 - 8 (2) 20mm Spacers
 - 9 (2) 10mm Spacers

mGrip P4 Cobot Kit

A plug-and-play solution optimized for longer and larger items.

SOFT ROBOTICS GRIPPER SYSTEM



- 1 coDrive™ Control Unit
- 2 4 Finger Parallel Tool
 - a - (4) 4 Accordion Finger Modules
 - b - 50mm Robot Adapter

ADAPTABLE HARDWARE



- Spacers and Tie Rods enable real-time flexibility to change your grip spacing.
- 3 (2) 165mm Tie Rod
 - 4 (2) 145mm Tie Rod
 - 5 (2) 125mm Tie Rod
 - 6 (2) 105mm Tie Rod
 - 7 8mm Pneumatic Tubing Elbow Union
 - 8 (4) 40mm Spacers
 - 9 (4) 30mm Spacers
 - 10 (4) 20mm Spacers
 - 11 (4) 10mm Spacers

mGrip P2 Cobot Kit

mGrip P4 Cobot Kit

Ordering P/N	700211	700212
Gripper Mass ¹	334g	577g
Max Grip Force	1.8lbs per finger	1.8lbs per finger
Operating Pressure	-5 to 10 psi	-5 to 10 psi
Power (for controller)	24VDC @ 1.7A Max +/- 10%	24VDC @ 1.7A Max +/- 10%
Grip Open Time	0.41sec	0.58sec
Grip Close Time	0.53sec	0.76sec
Grip Cycle Time ²	Under 1 second per cycle	Under 1.5 seconds per cycle
Gripper IP Rating	Designed to IP67	Designed to IP67
Gripper Spacing	40mm to 100mm	40mm to 120mm

1 — Represents mass of the gripper as it is configured at time of shipping. Adding spacers will increase mass.
 2 — When operating at -2.5psi for releasing and 5psi for gripping.



Seeing is believing. For additional information and videos of our gripper in action, visit softroboticsinc.com



Curious to explore the possibilities? Email us at solutions@softroboticsinc.com



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