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mGRIP + FANUC

Automate highly-variable product at high speed for pick-and-place applications in General Industry



WHAT IS mGRIP?

mGrip is the **first part** of a complete Soft Robotics solution. Our **adaptable soft polymer gripper** excels where traditional robotic technology struggles: grasping a wide range of product without damage, and doing it at high-speed. This easy-to-use solution is perfect for automating in both industrial and collaborative pick-and-place applications.

WHAT IS SRCU-MINI-P?

The Soft Robotics Control Unit (SRCU) Mini-P is the **second part** of our complete solution. Designed for easy integration with FANUC robots, it gets you up and running quicker than ever. The Mini-P enables **all FANUC Robots** - including the **new CRX series** through an intuitive CRX-specific plugin app - to control mGrip via FANUC Teach Pendants.



To get access to our CAD Configurator and learn more about how we support FANUC integrators, reach out to solutions@softroboticsinc.com.

mGRIP BENEFITS

- » **Adaptable:** handles a wide range of unstructured, oddly shaped, and delicate items
- » **Modular:** enables fast design and testing of gripper configurations, and allows ready-made components to be included into your custom solution
- » **Food grade:** complies to FDA CFR Title 21 Regulations and compliant under (EC) 1935/2004 in the European Union for food contact

SRCU-MINI-P BENEFITS

- » **Fast:** cycles mGrip up to 3 to 4 times a second, delivering the throughput needed for most high-speed applications
- » **Precise:** allows adjustment of grip strength and opening amount, resulting in less product waste
- » **Easy to integrate & use:** controls mGrip from the FANUC Teach Pendant, compatible with all industrial and collaborative robots

Recommended Products for FANUC and FANUC ASIs

mGrip Component Kit Products

| Integrator Kits | Master Kit Ideal for both rectangular and circular type items Standard p/n: 700169 Food grade* p/n: 700168 | | | | |
|--------------------------|--|----------|----------|---|----------|
| | Parallel Kit Ideal for rectangular type items Standard p/n: 700122 Food grade* p/n: 700120 | | | Circular Kit Ideal for circular type items Standard p/n: 700123 Food grade* p/n: 700121 | |
| Gripping Dimension Range | Up to 140mm wide | | | Up to 175mm in diameter | |
| Type | 2 finger | 4 finger | 6 finger | 4 finger | 5 finger |
| Configuration Options | | | | | |

Specifications

| | |
|--------------|--|
| Gripper Mass | Between 297 g and 1504 g (Dependent on gripper configuration) |
| Max Load | 1 to 4kg (Dependent on gripper configuration, force settings, product shape, and surface condition of workpieces) |
| IP Rating | Designed to meet an IP67 rating |
| Category | Standard or Food grade* |

Soft Robotics Control Units

| | | | |
|------------------------|----------------------------|------------------------|--|
| Product | SRCU-Mini-P p/n: 700175 | Weight | 3 kg |
| IP Rating | IP40 | Input Air Pressure | 0.64 Mpa (Recommended) 0.59-0.6 Mpa |
| Dimensions (W x D x H) | 27 x 22 x 9 cm | Input Electrical Power | 24VDC ± 10% @ 0.5A MAX |

*Food grade 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.