

Electric three-finger robotic gripper

Get A Soft Grip !

Gripping force
Max 5N



Features

1. Precise control:

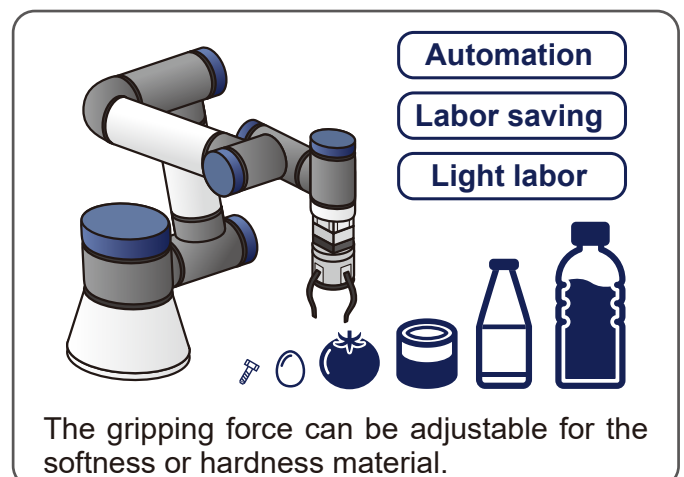
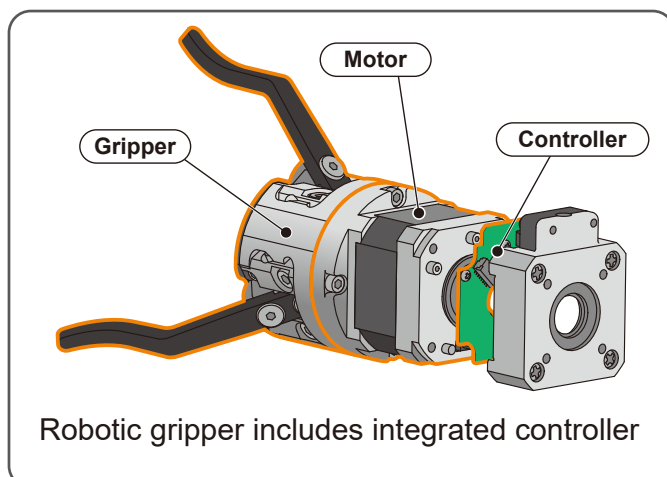
Position and speed adjustments can be made in increments of 0.1%, and gripping force adjustments in increments of 0.5%. Additional functions include 2 stage operation and grip detection.

2. Hollow channel structure:

Tubes and cables can be passed through the hollow channel structure which makes it possible the use of additional equipment such as cameras, sensors and pneumatic tools.

3. Customization:

The fingers can be easily replaced and their shapes can be customized. Mounting surfaces allow the use of an optional finger, guide and other equipment.

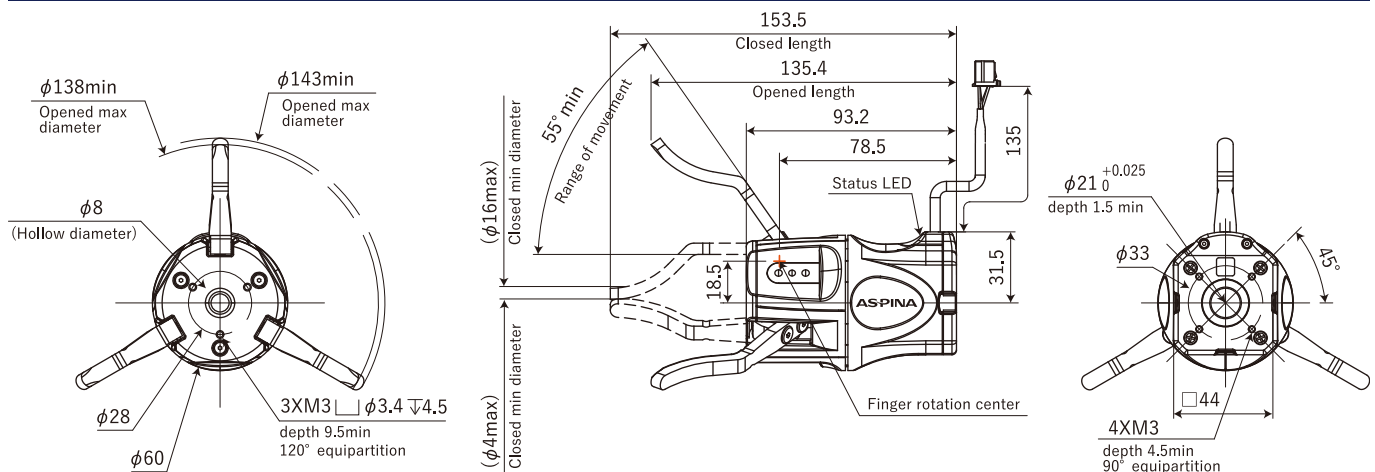


Specifications

Maximum opened diameter	Φ143mm
Gripping force *1	5N
Maximum workpiece weight *2	50g
Maximum workpiece weight *3	300g
Opening and closing speed	0.25 ~ 10sec
Maximum finger length	100mm
Positioning repeatability	±50 μm (no load)
Weight	640g
Dimensions	Φ60 × 155 mm
Lifetime	10 million cycles (no load)
Input voltage	24V±10%
Maximum current (rated operation)	0.6A Max peak
Digital I/F	Selectable 4 digital I/F from 4 inputs and 2 outputs
Input	●ON/OFF ●Home ●Operation ●Stop command etc.
Output	●ON/OFF ●Ready/Busy ●Alarm ●Gripping range error signal, etc.
Serial I/F	RS - 485 (Modbus RTU)
Indicator	Status LED (Green / Red / Orange)
Protective function	●Voltage ●Temperature ●Parameter setting error etc.
Operating ambient temperature	0 ~ +40°C
Storage temperature	-10 ~ +50°C
Robots connectivity	
Plug & Play / Mounting attachment	Universal robots, Techman robot, FANUC

*1. Measuring with one finger at 30 mm *2. At 70 mm distance from the finger rotation center. *3. At 30 mm distance from the finger rotation centerline drawing

Outline



Contents

- Robotic gripper
- Cable (3 m)
- Standard finger (Installed into robotic gripper)
- Finger fixing screw (Installed into robotic gripper)
- Non-slip tube for standard finger (For trial use)

Options (Please contact us for details about optional items.)

- Attachment and/or cable for robots from most major robot manufacturers

Contact

Manufacturer

ASPINA

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ISO 9001:2015 / ISO 14001:2015 accreditation

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