

Servo rotary grippers

RGI-100

TWO OPTIONS



Performance:

Grab Vigorously | Rotate Vigorously

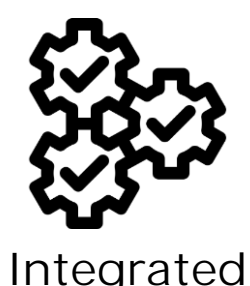
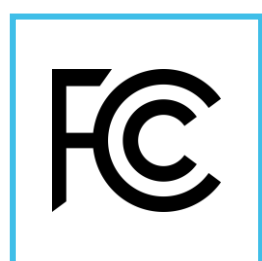
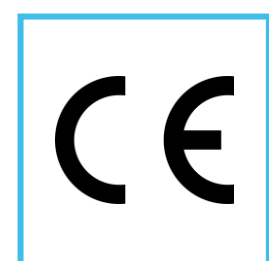
This servo rotary gripper has undergone a number of technical upgrades on the basis of the previous generation product. The maximum clamping force has been increased from 35N to 100N, and the maximum rotation torque has been increased by 5 times to 1.5N · m.

Compact & Double Servo System

Challenge the limits of structural design. After the optimization of the dual-servo system structure, the length is shortened by 20mm compared with the first-generation rotary gripper.

High repeat accuracy

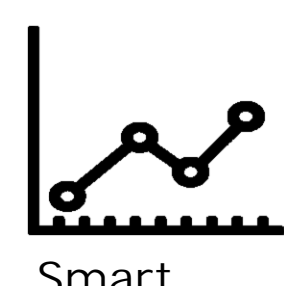
The repetition accuracy of rotation reaches ± 0.02 degrees, and the repetition accuracy of position reaches ± 0.02 mm. Through precise force control and position control, the gripper jaws can complete the grasping and rotating tasks more stably.



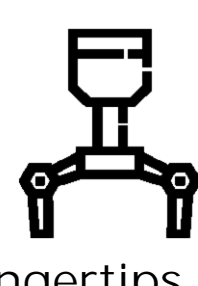
Integrated



Adjustable



Smart feedback



Fingertips can be replaced



RGI-100-14



RGI-100-30

Mechanical specifications :

Gripping force((per jaw)	30~100 N	30~100 N
Stroke	14 mm	30 mm
Recommended workpiece weight*	1.5 kg	1.5 kg
Rotation torque	1.5 N·m	1.5 N·m
Max. rotation speed	1500deg/s	1500deg/s
Rotation range	Infinite	Infinite
Repeat accuracy (swiveling)	± 0.02 deg	± 0.02 deg
Repeat accuracy (positioning)	± 0.02 mm	± 0.02 mm
Open/ closing time	0.25 s / 0.25 s	0.25 s / 0.25 s
Weight	1.28 kg	1.5 kg
Size	158 x 75.5 x 47mm	158 x 75.5 (82*) x 47mm

Operating environment:

Nominal voltage	24 V DC \pm 10%
Nominal current	1.5A
Max. current	3A