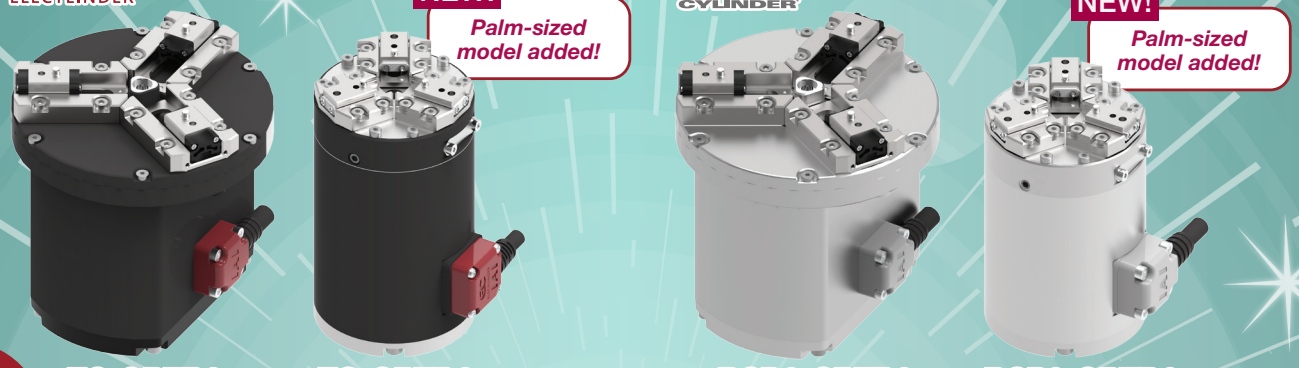
NEW!

EC ELECYLINDER® ROBO CYLINDER

IAI
Quality and Innovation

Mini 3-Finger Gripper



EC-GRTR9 EC-GRTR6 RCP6-GRTR9 RCP6-GRTR6

Built-in controller

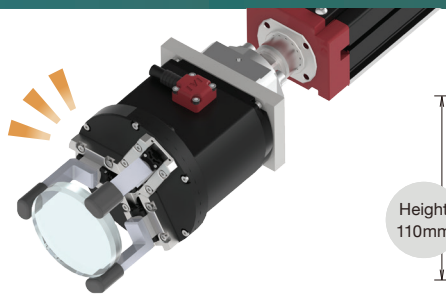
Ideal for replacing air cylinders!
2-point positioning

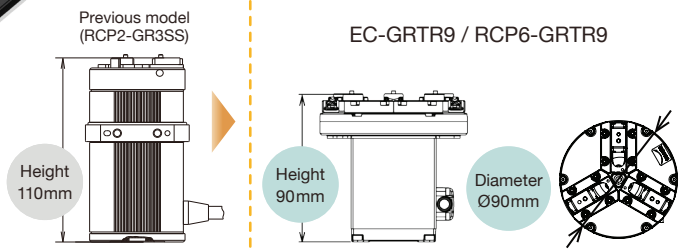
No tool changing!
Multi-point positioning

Easy mounting on the tool tip due to its compact size!

Broadens the range of applications, including workpiece inspection and centering.

[Application Example]
Inspection equipment for camera lenses





High gripping force and long stroke!

Maximum gripping force
70N
(GRTR9)

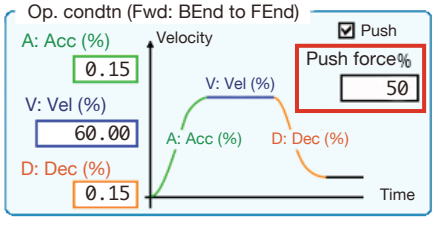
Stroke (both sides)
30mm
(GRTR9)

Three times the max gripping force of the previous model.*

*RCP2-GR3SS

Electric operation allows for easy fine-tuning of speed and gripping force

Gripping force can be set in percentage increments.
Fine numerical adjustment allows gripping of workpieces that deform easily.



Product Specifications

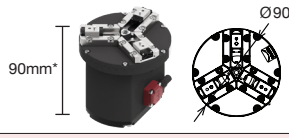
ELECYLINDER

① EC	–	②	–	③ M	–	④	–	⑤	–	⑥	–	(	⑪	)
Series		Type		Reduction ratio		Stroke		Actuator cable length		Power・I/O cable length			Options	

ROBO CYLINDER

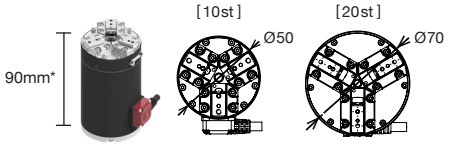
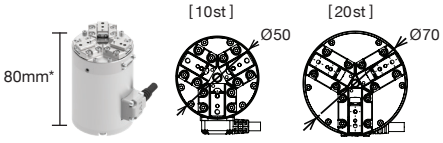
① RCP6	–	②	–	⑦ WA	–	⑧	–	③	–	④	–	⑨	–	⑩	–	(	⑪	)
Series		Type		Encoder		Motor type		Reduction ratio		Stroke		Applicable controller		Cable length			Options	

Type GRTR9 Specifications

		*Distance between the bottom surface and finger mounting surface 	*Distance between the bottom surface and finger mounting surface 
①	Series	EC	RCP6
②	Type	GRTR9	
③	Reduction ratio	M (equivalent to 7.5mm lead)	7.5 (equivalent to 7.5mm lead)
④	Stroke (mm)	30 (15 per finger)	
⑧	Motor type	Stepper motor (□35)	35P: Stepper motor (□35)
	Max. gripping force (N) *Total of 3 fingers	70	
	Max. gripping speed (mm/s) *per finger	20	
	Static allowable moment (N·m) *per finger	Ma: 1.97 / Mb: 2.81 / Mc: 5.32	
	Allowable vertical load (N)	88.7	

NEW!

Type GRTR6 Specifications

		*Distance between the bottom surface and finger mounting surface 		*Distance between the bottom surface and finger mounting surface 	
①	Series	EC		RCP6	
②	Type	GRTR6			
③	Reduction ratio	M (equivalent to 5.1mm lead)		5.1 (equivalent to 5.1mm lead)	
④	Stroke (mm)	10 (5 per finger)	20 (10 per finger)	10 (5 per finger)	20 (10 per finger)
⑧	Motor type	Stepper motor (□28)		28P: Stepper motor (□28)	
	Max. gripping force (N) *Total of 3 fingers	50			
	Max. gripping speed (mm/s) *per finger	20			
	Static allowable moment (N·m) *per finger	Ma: 0.99 / Mb: 1.41 / Mc: 2.76	Ma: 1.44 / Mb: 2.05 / Mc: 3.38	Ma: 0.99 / Mb: 1.41 / Mc: 2.76	Ma: 1.44 / Mb: 2.05 / Mc: 3.38
	Allowable vertical load (N)	61.4	75.1	61.4	75.1

Common Specifications for Type GRTR9 and Type GRTR6

		EC	RCP6
⑦	Encoder	Incremental battery-less absolute encoder (optional)	Battery-less absolute encoder
⑤	Actuator cable length (m)	1 to 10 (in one meter increments) *Select so that the total length of the actuator cable and power・I/O cable is 10m or less.	(can be changed by option)
⑥	Power・I/O cable length (m)	0 (No cable) / 1 to 9, S1 to S9 *"S" prefix indicate the 4-way connector specification. *Select so that the total length of the actuator cable and power・I/O cable is 10m or less.	–
⑨	Applicable controller	–	P3: PCON MSEL P5: RCON RSEL
⑩	Cable length	–	N: None, P: 1m, S: 3m, M: 5m X□□: Specified length, R□□: Robot cable
⑪	Options	Please refer the instruction manual for more details.	

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The information contained in this product brochure may change without prior notice due to product improvements.

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