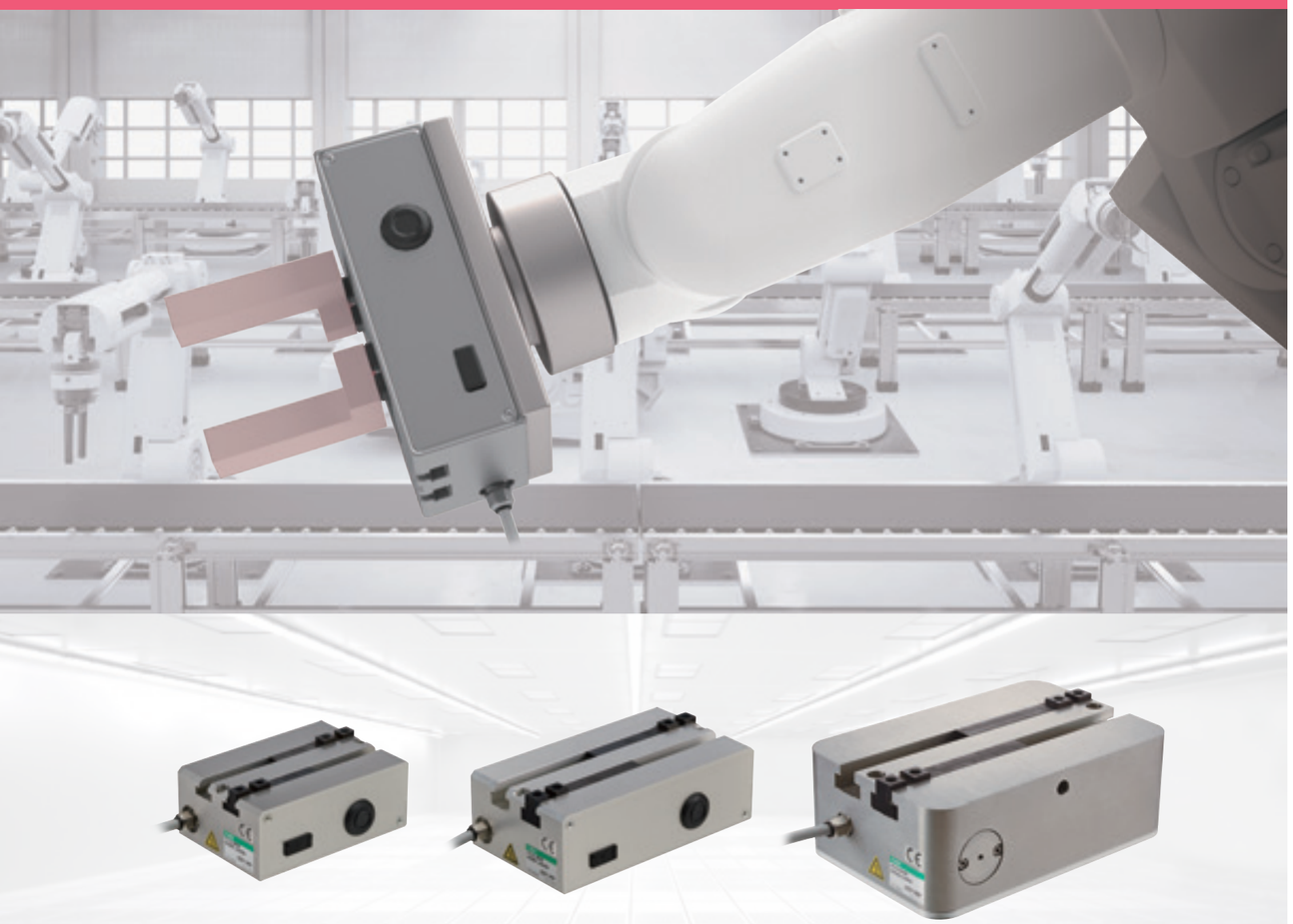
Integrated controller/high gripping force/ long stroke electric gripper

FFLD Series



Ideal for robotic arm applications

Line-up

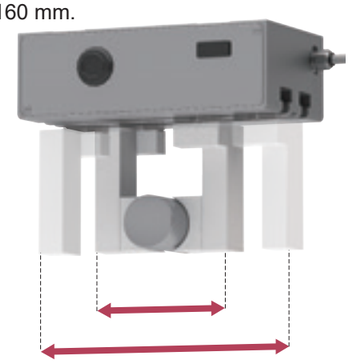
		Gripping force (N)					Maximum operation speed (mm/s)		Catalog page
		40	80	120	300	500	10	30	
Standard	FFLD		●		●	●	●		1
High speed	FFLD-H (New!)	●		●	●	●		●	9

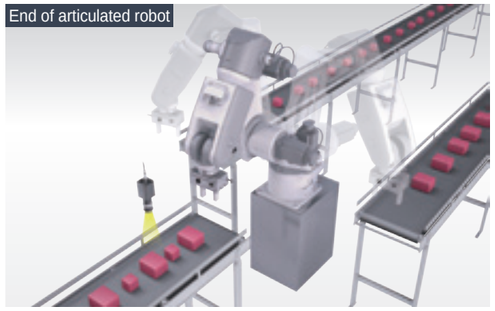
High gripping force, long stroke

High versatility

Realizes gripping force of 500 N (one finger) and long stroke of 160 mm.
It is possible to transport heavy, multi-model workpieces with one tool.

		FLSH	FFLD	
Max. stroke	mm	6 to 14 (3 to 7 per side)	**100 to 160 (80 per side)**	**10X or longer**
Max. gripping force	N	20 to 65 (One side)	**40 to 500 (One side)**	**Approx. 8X higher**

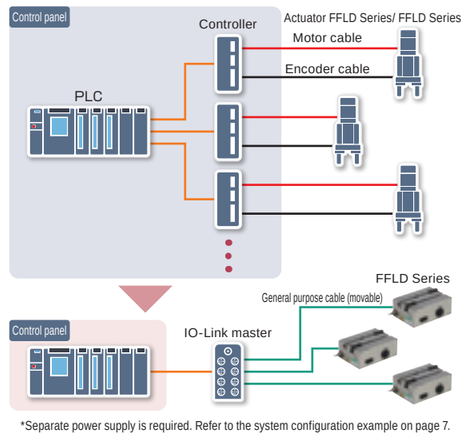




Built-in controller

Safety & Security | Space saving

The controller is built into the body of the electric gripper.
Reduces wiring and space consumption and the risk of disconnection.

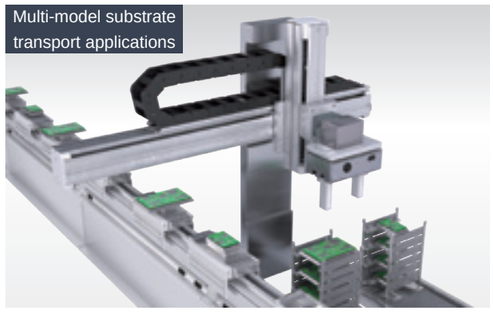


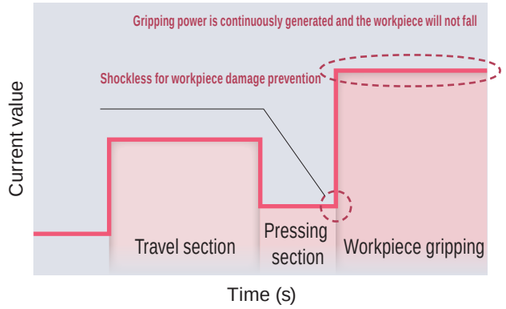
*Separate power supply is required. Refer to the system configuration example on page 7.

Pressing operation

Safety & Security

Gripping the workpiece is done with pressing operation. The gripping force continues to occur, greatly reducing the risk of the workpiece falling. Motor current value is controlled to enable soft handling and long-term gripping.

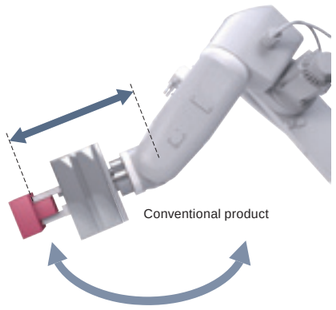


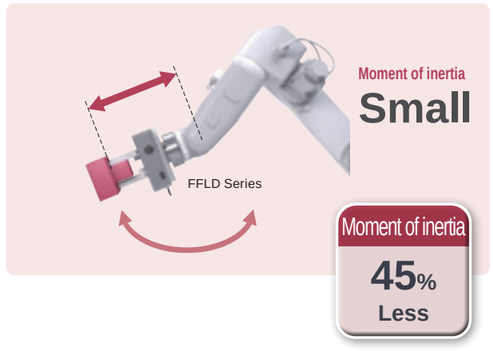


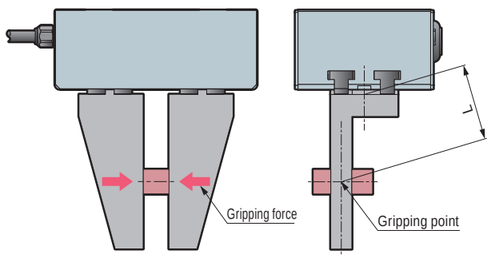
Thin, highly rigid body

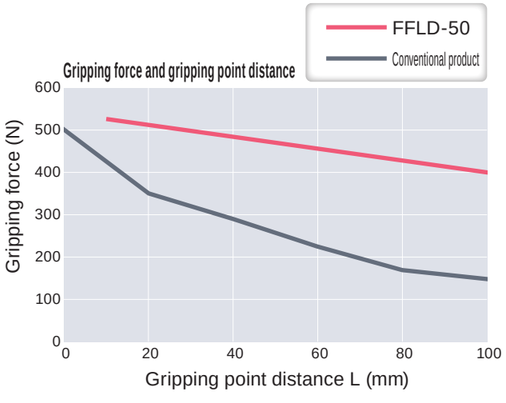
Space saving
High rigidity

Thin body reduces moment of inertia. Robots can be made more compact. It also has a T-slot guide, realizing high rigidity. Decreases in gripping force due to gripping point distance are minimized as much as possible.







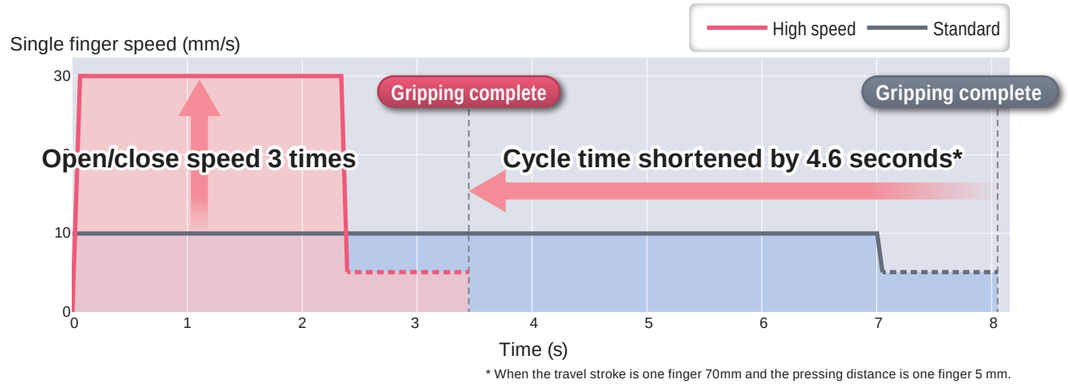


High open/close speed

Now

Productivity improved

Finger open/close speed has been improved. Cycle time of the device can be reduced.

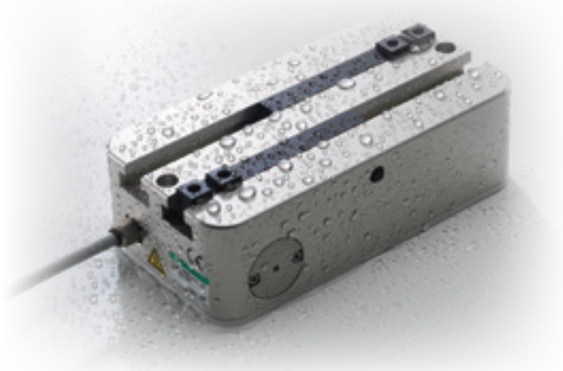


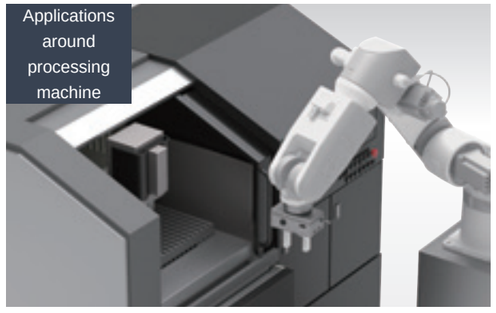
* When the travel stroke is one finger 70mm and the pressing distance is one finger 5 mm.

Available as made to order

High versatility
Special environment

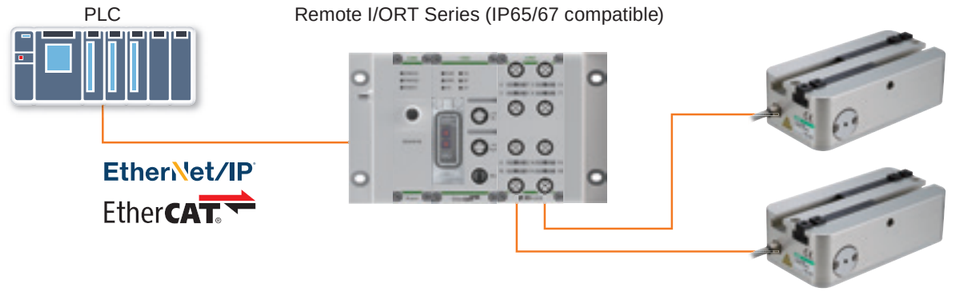
IP54, body blackening, mounting holes and lead-out cable change are possible.





Related products

Can be connected to the PLC via remote I/O RT Series.



* For details, refer to catalog No. Refer to CC-1557A.