

Smallest in the industry!

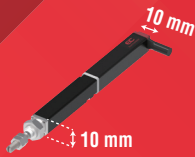
MICRO CYLINDER

With a surprisingly compact width of just 10 mm, it supports the full electrification of equipment.



IAI
 Quality and Innovation

Rod type
 Coupled motor type



Rod type
 Side-mounted motor type

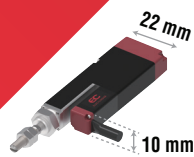
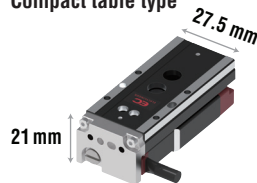
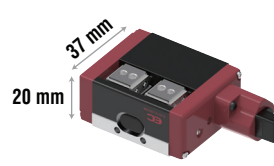


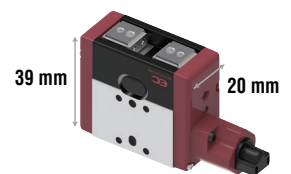
Table type
 Compact table type



Gripper
 Flat type



Gripper
 Vertical type

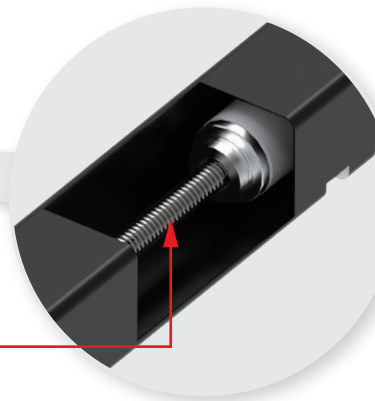


Product width 1cm x 1cm

Despite its small size, it features a built-in encoder, providing a repeatability of ± 0.02 mm.

All in one!

- Ball screw
- Motor
- Encoder

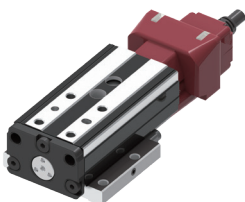


Ø2.5

Equipped with a $\varnothing 2.5$ rolled ball screw, it achieves both **compact size and high payload**.



Previous model: EC-T3



Stroke	10 to 50 mm
Max. payload	Horizontal: 2 kg Vertical: 0.8 kg
Max. speed	200 mm/s
Max. push force	17 N

Max. payload
 (vertical)

**Approx.
 2 times**

Micro Cylinder: EC-T2

NEW



Stroke	20 to 50 mm
Max. payload	Horizontal: 3.5 kg Vertical: 1.5 kg
Max. speed	97 mm/s
Max. push force	25 N

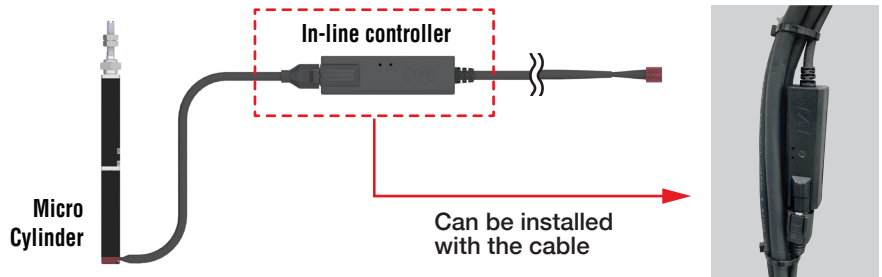
In-line controller

This controller is equipped with the built-in cable. Since the cable can be installed inside the customer's machine, it allows for a more compact control panel.



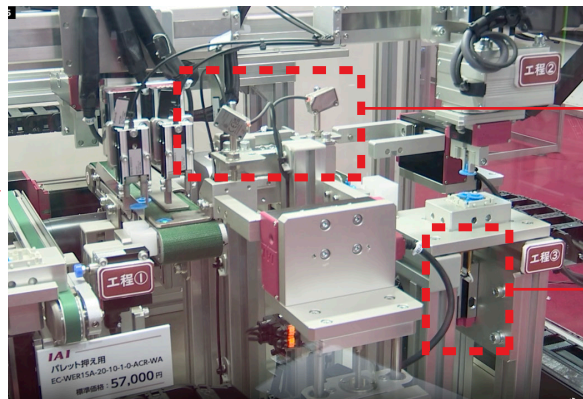
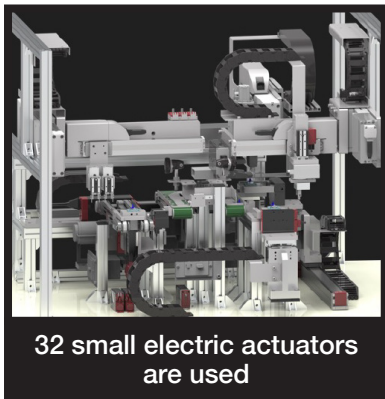
It helps save space!

Installation example

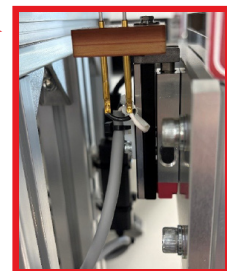


Application examples

Gear assembly device using small EC/RC products



Workpiece cutting



Lifting equipment

While fully electric systems were previously difficult to implement due to size constraints, they can now be implemented using micro cylinders.

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