



ELECYLINDER®

Simple yet high performance electric actuators that brings you profits.

ELECYLINDER can be operated only by ON/OFF signals like solenoid valves. It's easy to operate for beginners. You can adjust A (Acceleration), V (Velocity) and D (Deceleration) individually by input percentage. It can start/stop smoothly at high speed.



Equipped with battery-less

Built-in controller type

Standard Slider type

Body width (mm): 63-73 Stroke (mm): 50-500 Maximum payload (kg):

Horizontal 51/Vertical 19

Body width (mm): 63-73



Rod type

Side-mounted motor Body width (mm): 63-73

Stroke (mm): 50-500 Maximum payload (kg): Horizontal 51/Vertical 19

Small type

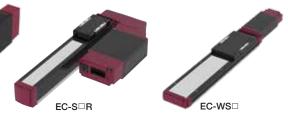
Body width (mm): 35-44 Stroke (mm): 50-300 Max. payload (kg): Horizontal 18/Vertical 6.5

Small, side-mounted motor

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 18/Vertical 6.5

Wide type

Body width (mm): 100, 120 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 62/Vertical 13.5



Radial Cylinder

Radial Cylinder®

Body width (mm): 63-73 Stroke (mm): 65-315 Maximum payload (kg): Horizontal 80/Vertical 19



High-rigidity Radial Cylinder®

Body width (mm): 63-75 Stroke (mm): 50-1000 Maximum payload (kg): Horizontal 80/Vertical 28



Small type Radial Cylinder®

EC-S□R

EC-RR□R

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 35/Vertical 6.5



High-rigidity

High-rigidity slider type

Body width (mm): 63-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 51/Vertical 25



Side-mounted motor

Body width (mm): 63-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 51/Vertical 25



Compact

Table type

Body width (mm): 78-88 Stroke (mm): 30, 50, 100, 150 Maximum payload (kg): Horizontal 20/Vertical 6.5

Rod type

Body width (mm): 34-112 Stroke (mm): 30, 50, 100, 150 Maximum payload (kg): Horizontal 35/Vertical 6.5

EC-RR□XAH



EC-RP/GS/GD

Environment-resistant

Splash-proof (Rod type)

Body width (mm): 63-73 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 80/Vertical 19



EC-R□W

Splash-proof (Radial cylinder)

Body width (mm): 63-73 Stroke (mm): 65-315 Maximum payload (kg): Horizontal 80/Vertical 19



EC-RR□W

Body width (mm): 35-75 Stroke (mm): 50-800 Maximum payload (kg):



EC-S□AHCR

Belt drive

EC-TC/TW

Long stroke



EC-B

Others

Rotary

Body width (mm): 90-117 Max. swaying angle (degree): 330 Max. speed (degree/s): 600



Stopper cylinder

Body width (mm): 148 Stroke (mm): 50 Max. workpiece mass (kg): 50



ELECYLINDER® Digital Speed Controller

Electric actuator can change speed by entering numeric values directly.

No need to connect a PC or a teaching pendant. Setting and trial operations can be performed by the ELECYLINDER alone.







Standard

Slider type

Body width (mm): 63-73 Stroke (mm): 50-500 Maximum payload (kg): Horizontal 51/Vertical 19



Rod type

Side-mounted motor

Body width (mm): 63-73 Stroke (mm): 50-500 Maximum payload (kg): Horizontal 51/Vertical 19



Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 18/Vertical 6.5

Small, side-mounted motor

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 18/Vertical 6.5

Wide type

Body width (mm): 100, 120 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 62/Vertical 13.5













Radial Cylinders

Radial cylinder®

Body width (mm): 63-73 Stroke (mm): 65-315 Maximum payload (kg): Horizontal 80/Vertical 19



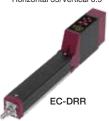
High-rigidity Radial Cylinder®

Body width (mm): 63-75 Stroke (mm): 50-1000 Maximum payload (kg): Horizontal 80/Vertical 28



Small type Radial Cylinder®

Body width (mm): 35-44 Stroke (mm): 50-300 Maximum payload (kg): Horizontal 35/Vertical 6.5



Environment-resistant

Cleanroom specification

Body width (mm): 35-75 Stroke (mm): 50-800 Maximum payload (kg):



High-rigidity

High-rigidity Slider type

Body width (mm): 63-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 51/Vertical 25



Side-mounted motor

Body width (mm): 63-75 Stroke (mm): 50-800 Maximum payload (kg): Horizontal 80/Vertical 28



ELECYLINDER® Large slider type

Slider type

Body width (mm): 132-156 Stroke (mm): 100-2500 Maximum payload (kg): Horizontal 108/Vertical 36



200V power supply for ELECYLINDER



ELECYLINDER® Field network connection unit

Field network compatible remote I/O



REC

ELECYLINDER®

Teaching pendant with dedicated power supply unit



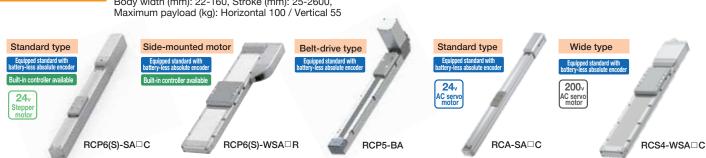
ROBO Cylinder®

These affordable, highly precise and high rigidity actuators have 1/5th the running cost of a pneumatic system.

ROBO Cylinder is high-performance electric actuator equipped with a ball screw, linear guide, and servo motor. These next-generation actuator has multi-point positioning capability as well as the ability to change speed and acceleration, unlike anything seen with air cylinders.







Rod Type

Use rod type when moving workpieces vertically or carrying them with a chuck. It is also suitable for pushing operations and press-fitting operations.

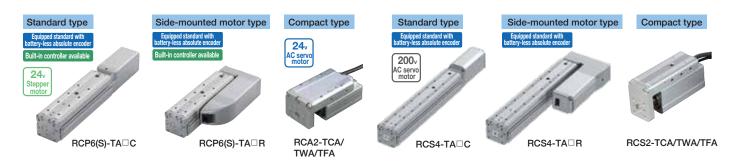
Body width (mm): 12-200, Stroke (mm): 10-800, Maximum payload (kg): Horizontal 300 / Vertical 150 (Except High payload)



Table type

Use this type when moving workpieces vertically and when moment loads are applied.

Body width (mm): 32-95, Stroke (mm): 20-390, Max. payload (kg): horizontal 30 / vertical 24.



ROBO Cylinder®

High precision, high rigidity and low cost with only one-fifth of the running cost of air cylinders.

Rotary type

Use this type when changing the direction of the workpiece or for precise positioning as an index. Body width (mm): 45-233, Maximum speed (degree/s): 266-1200





RCP6-RTFML

Flat type





RCS2-RTC□L

Direct drive motor

Body width (mm): 180 Max. speed (degree/s): 1800



DDA-LT/LH

Gripper type

Suitable for gripping and lifting up workpieces.

Stroke (mm): 2-finger 4-260, 3-finger 10, 14 (dgree): 2-finger 180, 3-finger 19

Solenoid type



GRM-S/M EG (Outer diameter grip) S/M IG (Inner diameter grip)

Ultra compact slide type

RCP2-RTC



RCD-GRSNA



RCP2-RTB



RCP6(S)-GRST□C



RCP6(S)-GRST□R





RCP6-GRT

Slide type



RCP4-GRS

Lever type



RCP4-GRL

3-finger slide type



RCP2-GR3S

3-finger lever type



RCP2-GR3L

Rotary chuck type

Rotation capability with the rotary and gripping capability with the gripper are integrated into one unit.



RCP6-RTCK

Others

Stopper cylinder

Body width (mm): 106.5-108 Stroke (mm): 20-30





ZR Unit (vertical/rotation integrated type)

Body width (mm): 2/122, M/138 Max. payload (kg): S/3, M/6





Wrist unit

Body width (mm): S/136.5, M/136.5 Max. payload (kg: S/1, M/2







WU-S/M

Single-axis Robot

Intelligent actuator with high speed and high transfer capabilities

The single-axis robot is a high-precision indexing device, which is quipped with a base, linear guide, ball screw and servo motor integrated into one unit. It reduces designing and adjustment times, achieving lower costs.



Cleanroom Specification

Suitable for transfer and indexing in the cleanroom.

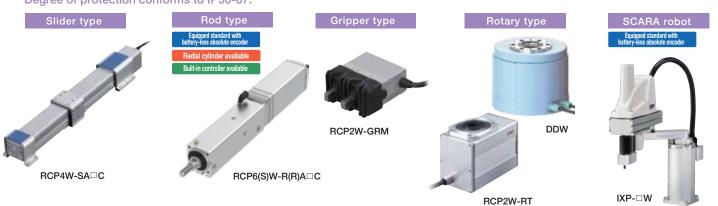
Electric actuators for cleanroom applications, compliant with Class 10 or Class 100.



Dust- and Splashproof Specification

Operations with extreme dust or water splashes.

Degree of protection conforms to IP50-67.



Linear Servo Type

Suitable for long stroke operations with high-speed and high acceleration/deceleration.



SCARA Robot

Horizontal articulated robots suitable for high-speed transfer operations of light workpieces

IXA Arm length (mm): 300-1000 Standard cycle time (S): 0.26-0.45 Max. payload (kg): 3-24

IXP (Power Con type) Arm Max.

Arm length (mm): 180-650 Max. payload (kg): 6











Table Top Robot

All-in-one, table-top type robot equipped with built-in controller and power supply unit

Selectable from stepper motors or servo motors. Body width (mm): 401-755.8 XY axis stroke (mm): 150-500





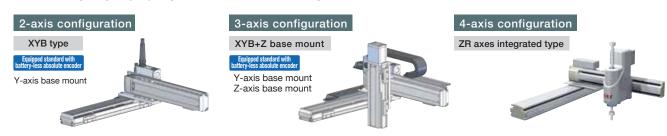




Cartesian Robot

Many variations are available by combining single-axis robots.

Realizes high rigidity by ingenious mechanical design. Number of axes: 2-6 Max. payload (kg): 65





High-speed Cartesian type

Cartesian 4 axes + Rotary axis



Controller

Select an operational pattern based on the purpose of use.

Positioner type

Single-axis controller

<Small> Position controller Max. dimensions: W28mm x D69mm x H80mm







ACON-CYB



DCON-CYB

Max. dimensions:



PCON-CB



Position controller DC24V/AC100V/AC200V types

ACON-CB



DCON-CB

Max. dimensions: W49mm x D116mm x H158mm



SCON-CAL



SCON-CB

Multi-axis controller

Position controller DC24V type Max. dimensions: W223.4mm x D95mm x H115mm



RCON

Program Type

Multi-axis controller

Max. dimensions: W100mm x D126mm x H177~195mm

Max. dimensions: W304mm~372mm x D125.3mm x H195mm



SSEL



XSEL



RSEL

Touch Panel Teaching Pendant

Position controller / Program controller common use Max. dimensions: W190mm x D25mm x H155mm

Position controller / Program controller common use Max. dimensions: W200mm x D34mm x H155mm

Teaching pendant with dedicated power supply unit for EC Max size: W250mm x D57.4mm x H164.4mm



TB-02



TB-03



TB-03E/TB-02E

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

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