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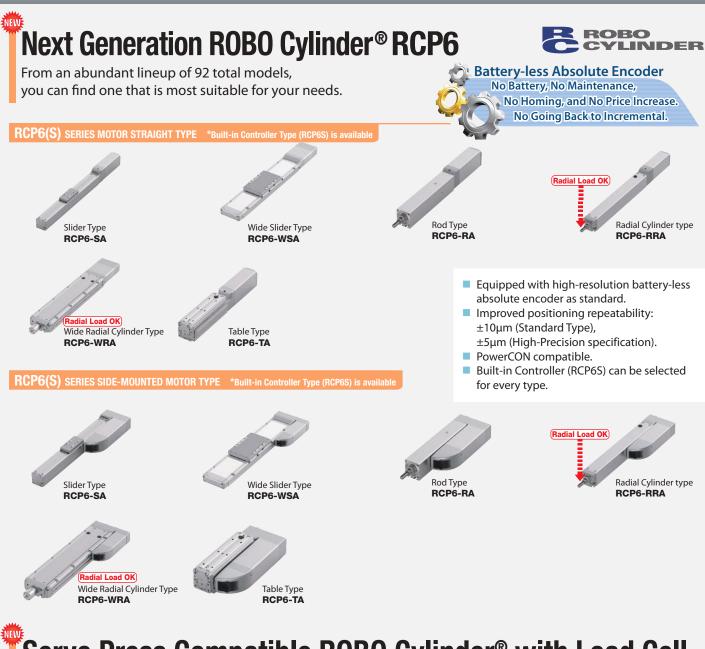


Product Overview

Industrial Automation Robots



www.IntelligentActuator.com



Servo Press Compatible ROBO Cylinder[®] with Load Cell

Compact and low-thrust rod type actuator that can even be used for simple pressing. The high-precision position control enables easy adjustment of the push force and the position control, typically difficult for hydraulic equipment. 8 types from a range of 20N-50,000N are available.





Max. 1,200N RCS3-RA7R

Max. 2,000N RCS3-RABR





Loading repeatability is ±0.5%.

- Variety of product groups: 8 models in the lineup.
- Supports traceability.
- Setting is easy by using a dedicated software.Newly developed 3kW motor driver achieved
- Newly developed 3kW motor driver achieved Max. thrust of 5t and Max. speed of 220mm/sec.

Max. 19,600N RCS2-RA13R Max. 30,000N RCS3-RA15R

Max. 50,000N RCS3-RA20R



Compatible with DeviceNet, CC-Link, and other field networks.



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These actuators handle environments with extreme dust or water splashes.

Many variations are available to meet diverse applications.

IXP- W

IX-NNW

DDW



- Achieves high speeds, payload and precision.
- Easy programming makes these actuators much more user-friendly.
- It supports a wide variety of arm lengths, ranging from 250mm to 800mm.

ULTRA-COMPACT SCARA ARM LENGTH 120/150/180mm

- The compact size of the robot allows you to reduce the size of your production equipment.
 - The rated payload of 0.2kg can be increased up to a maximum of 1kg.
- High-speed performance with a cycle time of 0.35sec.

SUPER-LARGE SCARA ROBOT ARM LENGTH 1,000/1,200mm

- Achieves high-speed, payload and precision.
- Each arm length type can carry up to 50kg.
- All high-speed performance with a standard cycle time of 0.66sec.









4-axis Specification





2-axis Specification

3-axis Specification



2-axis Specification





Every model equipped with battery-less absolute encoder as standard.

AC Servo Motor specification added to the series.

🌉 Max. payload: 🛛 X-axis: 30kg 🛛 Z-axis: 15kg (AC servo motor), Max. speed: 🛛 XY-axis: 1200mm/s 🖉 Z-axis: 40mm/s (AC servo motor)

improved positioning repeatability: ±0.005mm (AC servo motor) /±0.01mm(Stepper motor spec)

👼 The SEL Program Generator eliminates the tedious work of program creation.

CT4 High-speed Cartesian Robots

High-speed cartesian robot that shortens assembly / inspection cycle times by operating at high speed, ensuring high rigidity, and demonstrating excellent straight moving performance.



- Maximum speed 2.5m/s, maximum acceleration/deceleration 3.2G.
- Acceleration is significantly improved (conventionally 0.3 ~1.0G) and standard cycle time is reduced by 32% compared to conventional cartesian robots.
- Rotational axis specification and pick & rotate specification are added to the series.

Cartesian Robots

Pre-configured cartesian robots that reduce installation and setup times

DDW, DDA Direct Drive Motors High speed/payload/precision, easy control, and compact:

3-axis Specification

A direct drive motor that achieved high cost-performance.





DDA/DDACR High Torque type

Positioning repeatability ±0.00103 degree (±3.7s), Index accuracy \pm 0.00833 degree (\pm 30s) with SCON-CB & High resolution type.(DDA) Maximum speed of 1,800°/s and acceleration/deceleration of 6.0G

- can make faster positioning time possible.(DDA)
- Standard or Cleanroom (Hollow bore: Ø52mm), Standard with Brake (Hollow bore: Ø35mm) specifications, Slim or High-torque types in lineup. Flange option, DDW Splash-proof/Dust-proof type are available.
 - Note Please contact IAI for more variations.



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Catalog No. CE0033-28.5A (JAN 2017)

Controllers

of operational patterns to fit your specific needs



Free Ladder Programming Software is available for our controller with PLC function

SITION CONT	ty of operat									
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CONCB	Асол.св	DCON-CB	Соп∙св S	CON-CAL						
Power CON)	For RCA/ RCA2/RCL For RCD Single-axis/ Linear Servo For RCS									
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Supporting RCP6 with battery-less absolute encoder. Supporting PowerCON (High- output driver), and Mini Cylinder. Supporting PowerCON (High- Mini Cylinder (MSEP-LC/C).										
OGRAM CON	TROLLER									
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Low-cost DC24V power supply ideal for powering actuators					Programming points have never been easier Compatible with Safety Category					
PS-24	 Safely ac a maxim Up to fivito one an The load 	celerate an outp um momentary e units can be op nother. factor detectior itor the load cor	current of 17A. perated parallel function lets	Per Cor Pro		hage on the second seco	nu2. erge erating axis op. mode			Griesserv CS Au Em Test run Alare Tast Traditable Umu2
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The information contained in this product brochure may change without prior notice due to product improvements.