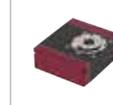


Product lineup list

2-point / 3-point Positioning (ELECYLINDER) *A new "3 position mode specification" option is now available. Reference page ▶ **P15**

Type	Slider	Radial Cylinder	Rod	Table	Gripper	Rotary	Stopper	Cleanroom	Dust-proof/splash-proof
Exterior									
Body width	20~188mm	20~108mm	13~148mm	26~88mm	25~138mm	45~185mm	42/93/112/148mm	35~120mm	63/73mm
Stroke	25~2800mm	25~1000mm	10~300mm	10~150mm	2~130mm (one side)	330 deg.	10~50mm	50~2000mm	50~800mm
Max. payload	Horizontal 400kg Vertical 120kg	Horizontal 300kg Vertical 150kg	Horizontal 80kg Vertical 19kg	Horizontal 20kg Vertical 7kg	10~1641N (Max. grip force on both sides)	0.6~25.2N (Max. torque)	100kg (Max. workpiece mass)	Horizontal 90kg Vertical 55kg	Horizontal 80kg Vertical 19kg
Max. speed	2000mm/s	860mm/s	860mm/s	800mm/s	225mm/s	600 deg./s	350mm/s	1350mm/s	860mm/s

Multi-point positioning / Special application

Reference Page ▶ **P23**

Type	Slider	Linear Servo	Rod	Radial Cylinder	Table	Pulse / Servo Press	Gripper	Rotary	Special Applications
Exterior									
Body width	22~198mm	60~210mm	12~200mm	40~160mm	32~95mm	40~200mm	22~123mm	45~233mm	-
Stroke	25~3200mm	40~4155mm	10~500mm	50~800mm	25~390mm	100~520mm	2~130mm (one side)	330 deg. 360 deg. (Multi-rotation)	-
Max. payload	Horizontal 400kg Vertical 80kg	Horizontal 120kg	Horizontal 1000kg Vertical 600kg	Horizontal 300kg Vertical 150kg	Horizontal 30kg Vertical 24kg	~50,000N (Max. push force)	10~880N (Max. grip force on both sides)	0.24~75N (Max. torque)	-
Max. speed	3000mm/s	2500mm/s	1200mm/s	1500mm/s	1300mm/s	240mm/s	643mm/s	1800mm/s	-

Multi-axis products

Reference Page ▶ **P29**

Type	Cartesian Robot	Tabletop Robot	Cartesian 6-Axis Robot	SCARA Robot
Exterior				
Number of Axes	2~6 axes	2~4 axes	6-axis	3~4 axes
Base axis movable range	50~4155mm	200~500mm	50~1100mm	180~1200mm
Max. payload	90kg	30kg	2kg	50kg
Max. speed	2500mm/s (Base axis max. speed)	1200mm/s (Base axis max. speed)	700mm/s (Max. composite speed)	9215mm/s (Max. composite speed)

Products with special specifications



In addition to standard products, we also offer various products with special specifications. If you do not find the product you need, contact our sales representative.

The most requested special specifications, such as non-standard stroke/grease, air purge joint attachment, stainless steel grease nipple, etc., are listed in the leaflet on the left.



Special controller specifications and products for rechargeable battery manufacturing processes are also available.

intelligentactuator.com/special-specification-products/

Cleanroom / Dust-proof and splash-proof

Reference Page ▶ P33

Type	Slider	Rod	Radial cylinder	Gripper	Rotary	SCARA Robot
Exterior						
Body width	40~198mm	28~85mm	45~160mm	42~80mm	45~195mm	3~4 axes (axes qty.)
Stroke	25~2500mm	25~300mm	50~800mm	4~7mm (one side)	330 deg. 360 deg. (Multi-rotation)	300~1200mm (Arm length)
Max. payload	Horizontal 150kg Vertical 60kg	Horizontal 100kg Vertical 70kg	Horizontal 240kg Vertical 120kg	6.4~102N (Max. grip force on both sides)	0.24~75N (Max. torque)	47kg
Max. speed	2000mm/s	630mm/s	630mm/s	600mm/s	1800mm/s	8098mm/s (Max. composite speed)

Controller

Reference Page ▶ P37

Type	RCON	RSEL	REC	PCON-CB/CGB	ACON-CB/CGB	DCON-CB/CGB	SCON2	MSEL	XSEL2	XSEL-RA/SA	XSEL-RAX/SAX (For SCARA)
Exterior											
Max. number of connectable axes	~16 axes	~8 axes (16 axes for EC)	~16 axes	1-axis	1-axis	1-axis	1-axis	~4 axes	~8 axes	~8 axes	~8 axes
Compatible Motor	   	   	  								
Interpolation operation	×	✓	×	×	×	×	×	✓	✓	✓	✓
IAI Exclusive Program (SEL Language)	Not required	Required	Not required	Not required	Not required	Not required	Not required	Required	Required	Required	Required
Supported control method	I/O (input-output)	×	✓	×	✓	✓	✓	✓	✓	✓	✓
	Pulse-train	×	×	×	✓	✓	✓	×	×	×	×
	Field Network	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Other (24VDC power supply / teaching, etc.)

Reference Page ▶ P41

Type	24VDC power supply	Teaching software for PC		Teaching pendant			Wired Teaching Controller	Wireless Teaching Controller	Brake Release Box
	PSA-24(L)	IA-OS	IA-101	TB-02	TB-03	ADTB	TBD-1	TBD-1WL	BKR-01
Exterior									
Overview	IAI exclusive power supply. Up to 5 units can be connected in parallel.	Compatible with EC, REC, and controllers with □CON in the model name.	Compatible with TTA and controllers having □SEL in the model name.	Compatible with all models listed in the General Catalog. Safety category compliant.	Compatible with all models listed in the General Catalog. Wireless communication with ELECYLINDER is possible.	Teaching pendant with power supply unit. Test run and data setting are possible even before electrical wiring work is done.	Connectable to all ELECYLINDER.	Wireless communication with ELECYLINDER is possible.	Actuator brake release without wiring to the controller during equipment start-up.