



**ROBO  
CYLINDER**






**ROBO Expo 2010  
Promotional Sample List**






## 1. ERC2 Series (Built-in Controller Type)

Series	Type	Model	Encoder Type	Motor	Lead (mm)	Stroke	I/O	Cable Length
ERC2	Slider Type	ERC2-SA6C 	I	PM	6	100	NP	P/S/M
						200		
						300		
						400		
						500		
						600		
					12	100		
						200		
						300		
						400		
						500		
						600		
	Rod Type	ERC2-RA6C 	I	PM	3	50	NP	P/S/M
						100		
						200		
						300		
					6	50		
						100		
200								
300								
12					50			
					100			
					200			
					300			


## 2. RCP2 Series (Pulse Motor Type)

Series	Type	Model	Encoder Type	Motor	Lead (mm)	Stroke	Controller	Cable Length	
RCP2	Slider Type	RCP2-SA5C 	I	42P	6	50	P1	P/S/M	
						100			
						150			
						200			
						250			
						300			
		RCP2-SA6C 	I	42P	6	50			
						100			
						150			
						200			
						250			
						300			
	Rod Type	RCP2-RA3C 	I	28P	2.5	50			
						100			
						150			
					RCP2-RA4C 	I	42P	5	100
									150
									200
		RCP2-RA4C 	I	42P	10	250			
						300			
						50			
						100			
						150			
						200			
250									
300									



### 3. RCA Series (Servo Motor 24 VDC Type)

Series	Type	Model	Encoder Type	Motor	Lead (mm)	Stroke	Controller	Cable Length
RCA	Slider Type	RCA-SA4D 	I	20	5	50	A1	P/S/M
						100		
						150		
						200		
						250		
						300		
					10	50		
						100		
						150		
						200		
						250		
						300		
	Rod Type	RCA-RA3C 	I	20	2.5	50	A1	P/S/M
						100		
						150		
						200		
					5	50		
						100		
						150		
						200		
					10	50		
						100		
						150		
						200		
RCA-RA4C 	I	20	3	50	A1	P/S/M		
				100				
				150				
				200				
				250				
				300				
			6	50				
				100				
				150				
				200				
				250				
				300				
12	50							
	100							
	150							
	200							
	250							
	300							

### 3.RCA Series (Servo Motor 24 VDC Type)

Series	Type	Model	Encoder Type	Motor	Lead (mm)	Stroke	Controller	Cable Length
RCA	Rod Type	RCA-RA4C 	I	30	3	50	A1	P/S/M
						100		
						150		
						200		
						250		
						300		
					6	50		
						100		
						150		
						200		
						250		
						300		
					12	50		
						100		
						150		
						200		
						250		
						300		

### 4. Controller

Series	Type	Model	Motor	Encoder Type	I/O	Cable Length	Power Supply	
PCON 	Positioner Type	PCON-C	28SP/28P	I	NP	2	0	
			42P					
	Solenoid Valve Type	PCON-CY	28SP/28P	I	NP	2	0	
			42P					
	Pulse-train Control Type	PCON-PL	PCON-PL	28SP/28P	I	NP	2	0
				42P				
PCON-PO		PCON-PO	28SP/28P	I	NP	2	0	
			42P					
ACON 	Positioner Type	ACON-C	20S	I	NP	2	0	
			20					
			30					
	Solenoid Valve Type	ACON-CY	20S	I	NP	2	0	
			20					
			30					
	Pulse-train Control Type	ACON-PL	ACON-PL	20S	I	NP	2	0
				20				
				30				
		ACON-PO	ACON-PO	20S	I	NP	2	0
				20				
				30				

## More Functional, More Affordable

The family of “ROBO Cylinder” next-generation cylinders offers easy operation, high functionality and energy-saving features at affordable cost. IAI offers a wide variety of ROBO Cylinders, each providing convenient functions to meet your needs in system design.

### Features of the ROBO Cylinder

#### 1 Easy Assembly and Operation

- Compatible with various mounting mechanisms (foot, clevis, trunnion, etc.), just like air cylinders
- Easy operation without the need for programming (PCON, ACON, SCON)
- No “stick & slip” problem at low speed, as normally found with air cylinders

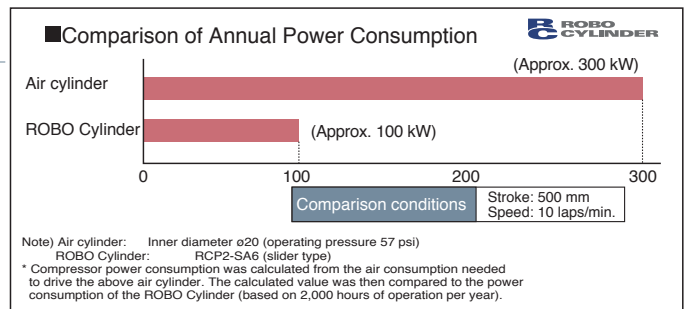


#### 2 High Functionality

- Multi-point positioning to a maximum of 512 points and positioning repeatability
- Connectable to field networks
- Push-motion operation, pitch feed, zone output, pause input, speed change during movement, and separate acceleration/deceleration settings

#### 3 Energy Saving

- Running cost just one-third to one-tenth that of an air cylinder
- Environmentally friendly operation, free of oil mist



#### 4 Maintenance Free

- Every model comes with the AQ seal, an innovative lubrication feature made of resin-solidified lubricating oil.
- The AQ seal minimizes the frequency of greasing. (If grease is applied in addition to the AQ seal, the ROBO Cylinder will operate maintenance free for 5,000 km of traveled distance, or approximately three years.)

