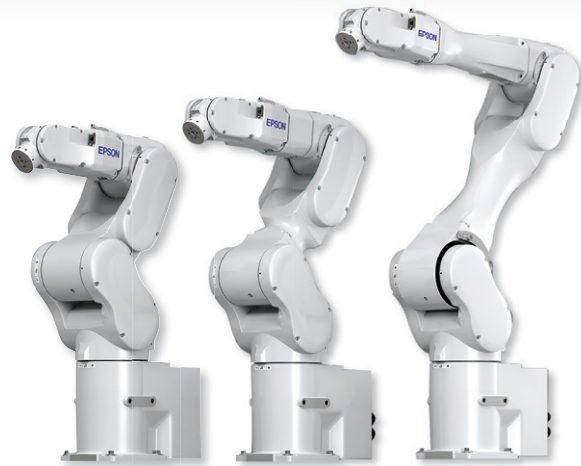


C8/C8L/C8XL

Compact, Yet Powerful, with High Repeatability and Fast Speed

- Payloads up to 8 kg
- Compact Wrist Fits in Tight Spaces
- Long, Slim Arm for Greater Reach
- Compact Elbow for Optimum Workcell Layout



Specifications

Model name		C8	C8L	C8XL
Model number		C8-A701	C8-A901	C8-A1401
Mounting type		Tabletop		
Degree of freedom		6		
Max. motion range	P point: through the center of J4/J5/J6	711 mm	901 mm	1400 mm
Wrist flange surface		791 mm	981 mm	1480 mm
Max. operating speed	Joint #1	331°/s	294°/s	200°/s
	Joint #2	332°/s	300°/s	167°/s
	Joint #3	450°/s	360°/s	200°/s
	Joint #4		450°/s	
	Joint #5		450°/s	
	Joint #6		720°/s	
Weight (cables not included)		49 kg (IP:53 kg)	52 kg (IP:56 kg)	62 kg (IP:66 kg)
Repeatability		±0.02 mm	±0.03 mm	±0.05 mm
Max. motion range	Joint #1	±240°		
	Joint #2	-158°~+65°		-135°~+55°
	Joint #3	-61°~+202°		
	Joint #4	±200°		
	Joint #5	±135°		
	Joint #6	±360°		
	Rated	3 kg		
Payload		Maximum		8 kg
Standard cycle time ¹	1 kg	0.31 sec	0.35 sec	0.53 sec
	5 kg	0.39 sec	0.43 sec	0.62 sec
	8 kg	0.48 sec	0.50 sec	0.72 sec
	Allowable moment of inertia ²	Joint #4	0.47 kg·m ²	
	Joint #5	0.47 kg·m ²		
	Joint #6	0.15 kg·m ²		
Motor power consumption	Joint #1	1000 W		
	Joint #2	750 W		
	Joint #3	400 W		
	Joint #4	100 W		
	Joint #5	100 W		
	Joint #6	100 W		
Home		Home-return-less		
Installed wire for customer use		15Pin (D-sub), 8Pin (RJ45), 6Pin (for force sensor)		
Installed pneumatic tube for customer use		Φ6 mm x 2		
Installation environment		Standard (IP40)/Cleanroom ² & ESD/IP67		
Applicable controller		RC700A		
Safety standards		CE, ANSI/RIA15.06-2012, UL 1740		

Sales inquires: 562-290-5997

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¹ Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) with each payload setting (path coordinates optimized for maximum speed). ² C8 and C8L comply with ISO Class 3 (ISO14644-1) cleanroom standards, and C8XL complies with ISO Class 4 (ISO14644-1) cleanroom standards.

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