

C4/C4L

High Speed and Exceptional Flexibility

- Arm Lengths from 665 – 965 mm
- High Speed and Repeatability for Maximum Productivity
- 4 kg Maximum Payload
- Extraordinary Motion Range
- Compact Design for Maximum Flexibility



Specifications

		C4-A601 (C4)		C4-A901 (C4L)	
		Tabletop	Ceiling	Tabletop	Ceiling
Mounting type					
Degree of freedom		6			
Max. motion range	P point: through the center of J4/J5/J6	600 mm		900 mm	
Wrist flange surface		665 mm		965 mm	
Max. operating speed	Joint #1	450°/s		275°/s	
	Joint #2	450°/s		275°/s	
	Joint #3	514°/s		289°/s	
	Joint #4			555°/s	
	Joint #5			555°/s	
	Joint #6			720°/s	
Weight (cables not included)		27 kg		29 kg	
Repeatability	Joint #1-#6	±0.02 mm		±0.03 mm	
Max. motion range	Joint #1	±170°			
	Joint #2	-160°~+65°			
	Joint #3	-51°~+225°			
	Joint #4	±200°			
	Joint #5	±135°			
	Joint #6	±360°			
Payload	Rated	1 kg			
	Maximum	4 kg (5 kg with arm downward positioning)			
Standard cycle time¹		0.37 sec		0.47 sec	
Allowable moment of inertia	Joint #4	0.15 kg•m ²			
	Joint #5	0.15 kg•m ²			
	Joint #6	0.1 kg•m ²			
Motor power consumption	Joint #1	400 W			
	Joint #2	400 W			
	Joint #3	150 W			
	Joint #4	50 W			
	Joint #5	50 W			
	Joint #6	50 W			
Electric lines		9Pin (D-Sub)			
Pneumatic lines		Φ4 mm × 4			
Installation environment		Standard/Cleanroom ² & ESD			
Available controllers		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 1 kg payload (path coordinates optimized for maximum speed). | ² Complies with ISO Class 3 (ISO14644-1) and older Class 10 (less than 10 0.1µm particles per 28,317cm³:1cft) cleanroom standards.

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