EPSON
EXCEED YOUR VISION

SPECIFICATION SHEET

Robots

6-Axis

Flexion™ N2

Space-saving 6-Axis Robot with Revolutionary Design

- Compact Folding Arm Technology — World's First*
- Maximizes Motion Efficiency for Faster Cycle Times*
- Unique Tight-space Motion Capability Keeps Arm Extremities Out of the Way*
- 450 mm Reach and 2.5 kg Maximum Payload

*Features exclusive to Epson's N-Series technology



Specifications

		N2-A450	
Mounting type		Tabletop[1]	Ceiling
Degree of freedom		6	
Max. motion range	**P point: through the center of J4/J5/J6**	450 mm	
Wrist flange surface		532.2 mm	
Max. operating speed	**Joint #1**	297 °/s	
	Joint #2	297 °/s	
	Joint #3	356°/s	
	Joint #4	356°/s	
	Joint #5	360°/s	
	Joint #6	360°/s	
Weight (cable not included)		19 kg	
Repeatability	**Joint #1-#6**	±0.02 mm	
Max. motion range	**Joint #1**	±180°	
	Joint #2	±180°	
	Joint #3	±180°	
	Joint #4	±195°	
	Joint #5	±130	
	Joint #6	±360°	
Payload[2]	**Rated**	1 kg	
	Maximum	2.5 kg	
Allowable moment of inertia[3]	**Joint #4**	0.2 kg•m2	
	Joint #5	0.2 kg•m2	
	Joint #6	0.08 kg•m2	
Motor power consumption	**Joint #1**	100 W	
	Joint #2	100 W	
	Joint #3	100 W	
	Joint #4	30 W	
	Joint #5	30 W	
	Joint #6	15 W	
Installed wire for customer use		15 wires (D-sub) 8 pin (RJ45) Cat 5e or equivalent (2 cables)	
Installed pneumatic tube for customer use		Φ6 mm pneumatic tubes (2 tubes), Allowable pressure: 0.59 Mpa (6 kgf/cm^2) (89 psi)	
Installation environment		Standard	
Available controllers		RC700A	
Safety standards		CE, ANSI/RIA15.06-2012	

Sales inquires: 562-290-5997 **epsonrobots.com**

1 Manipulators are set to "Ceiling mounting" at shipment. To use the manipulators as "Tabletop mounting", you need to change the model settings. I 2 Do not exceed the maximum payload. I 3 If the center of gravity is at the center of each arm. If the center of gravity is not at the center of each arm, set the eccentric quantity using INERTIA command.

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