

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•m ²	
	Joint #5	0.2 kg•m ²	
	Joint #6	0.08 kg•m ²	
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		Ø6 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. ² Do not exceed the maximum payload. 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.

Specifications and terms are subject to change without notice. EPSON is a registered trademark, EPSON Exceed Your Vision is a registered logomark and Flexion is a trademark of Seiko Epson Corporation. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2018 Epson America, Inc. CPD-55430 2/18