RS-Series SCARA Robots

-\$02\$+

EPSON

High Performance SCARA Plus

- Arm Length 350 mm
- New, Unique Workspace Design
- Industry Leading Work Envelope Usage

Specifications

		RS3-351
Mounting type		Ceiling
Arm length	Arm #1, #2	350 mm
Max. operating speed	Joints #1, #2	6237 mm/s
	Joint #3	1100 mm/s
	Joint #4	2600 deg/s
Weight (cables not included)		17 kg
Repeatability	Joints #1, #2	±0.01 mm
	Joint #3	±0.01 mm
	Joint #4	±0.01 deg
Max. motion range	Joint #1	±225 deg
	Joint #2	±225 deg
	Joint #3 Std	130 mm
	Joint #3 Clean	100 mm
	Joint #4	±720 deg
Payload	Rated	1 kg
	Maximum	3 kg
Standard cycle time ¹		0.34 sec
Joint #4 allowable moment	Rated	0.005 kg∙m2
of inertia ²	Maximum	0.05 kg∙m2
Motor power consumption	Joint #1	400 W
	Joint #2	200 W
	Joint #3	150 W
	Joint #4	100 W
Joint #3 downward force		150 N
Electric lines		15Pin (D-Sub)
Pneumatic lines		Φ4mm×1, Φ6mm×2
Installation environment		Standard/Cleanroom ³ & ESD
Available controllers		RC180, RC620+, RC700A
Safety standards		CE, ANSI/RIA15.06-2012, UL 1740

1 Cycle time based on round-trip arch motion (300mm horizontal, 25mm vertical) with 1kg payload (path coordinates optimized for maximum speed).

2 When payload center of gravity is aligned with Joint #4, if not aligned with Joint #4, set parameters using INERTIA command. 3 Complies with ISO Class 3 (ISO14644-1) and older Class 10 (less than 100.1 µm particles per 28,317cm³:1cft) cleanroom standards.

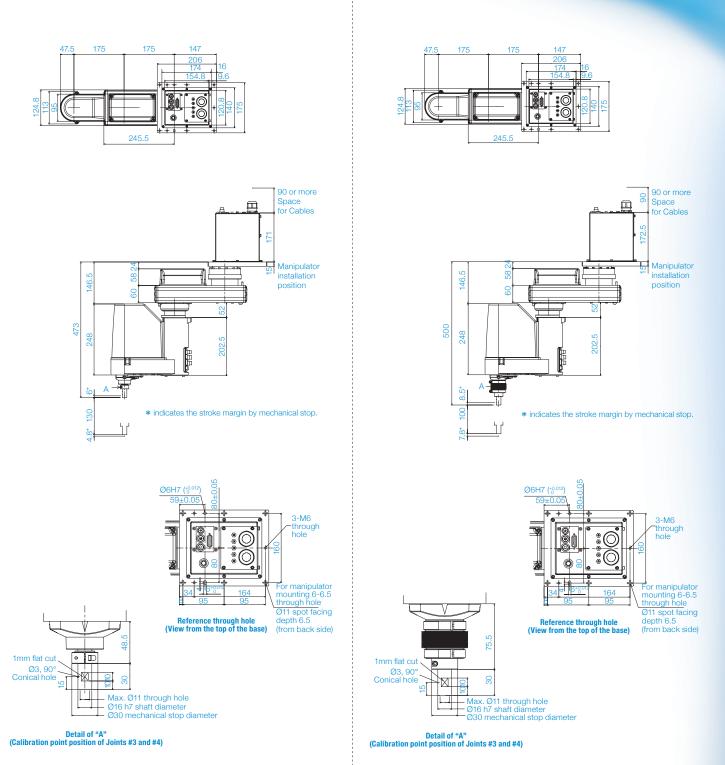


Outer Dimensions (Ceiling Mounting)

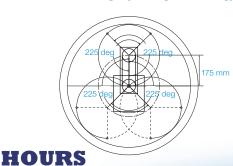
Standard-model

RS3-351

Cleanroom-model



Motion Range (Ceiling Mounting)



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Model	R\$3-351	
Arm #1 Length (mm)	175	
Arm #2 Length (mm)	175	
Joint #1 Motion range (deg)	±225	
Joint #2 Motion range (deg)	±225	

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