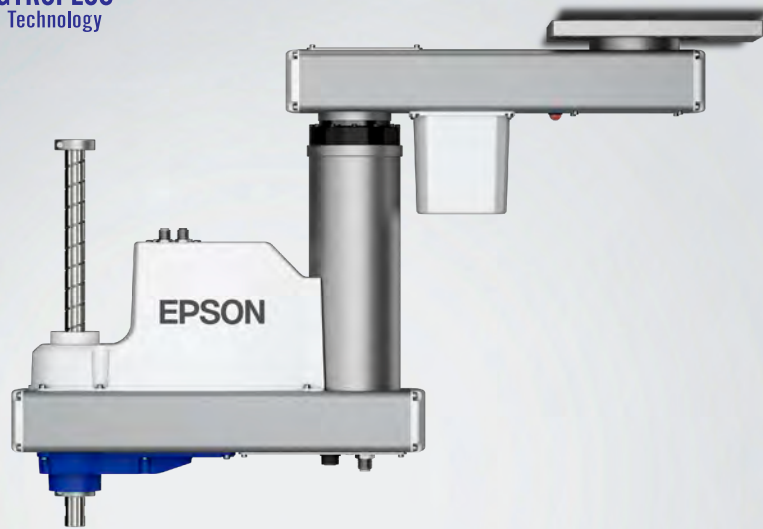


NEW
PRODUCT



Large working area in limited space

- Ceiling mounting rotating arm structure realizes cylindrical working area
- Large pallets can be placed efficiently, making equipment more compact
- Vibration control by GYROPLUS Technology
- Battery-less encoder for reduced maintenance



Model Number **RS6 - C 55 2** ☐

Payload
6 : 6kg

Arm length
55 : 550mm

- Installation environment

C: Cleanroom & ESD
(Anti-static)

- Joint #3 stroke

2 : 200 mm (Standard)
: 150 mm (Cleanroom & ESD)



These labels are affixed to the RC800-A, RC700-E, and their compatible manipulators that comply with applicable safety standards (ISO/NRTL certified).

■ Specifications

Model number		RS6-C552S	RS6-C552C
Arm length	Arm #1+#2	550 mm	
	Arm #3	200 mm	150 mm
Payload *1	Rated	2.0 kg	
	Max.	6.0 kg	
Repeatability	Joints #1+#2	±0.015 mm	
	Joint #3	±0.01 mm	
	Joint #4	±0.01 deg	
Standard cycle time *2		0.373 sec	0.380 sec
Maximum operating speed	Joints #1+#2	7421 mm/sec	
	Joint #3	1440 mm/sec	
	Joint #4	2600 deg/sec	
Joint #4 allowable moment of inertia *3	Rated	0.01 kg•m²	
	Max.	0.12 kg•m²	
Joint #3 press force		150 N	
Installation environment		Standard	Cleanroom*4 & ESD*5
Mounting method		Ceiling mounting	
Weight (not include the weight of cables)		20 kg	
Installed wire for customer use		D-sub (15 pin x 1, Current capacity 1A(Rated)), RJ45 (8 pin x 2)	
Installed pneumatic tube for customer use		ø4 mm x 2, ø6 mm x 2 (Allowable pressure: 0.59 MPa [6 kgf/cm² : 86 psi])	
Compatible controller		RC800-A	
Power supply		AC200-240 V Single phase	
Maximum rated capacity *6		1.5 kVA	
Cable length		3 / 5 / 10 / 15 / 20 m	
Safety standard		CE, KCs, NRTL	

*1: Do not apply the load exceeding the maximum payload. *2: Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) at payload setting 1kg, path coordinates optimized for maximum speed.

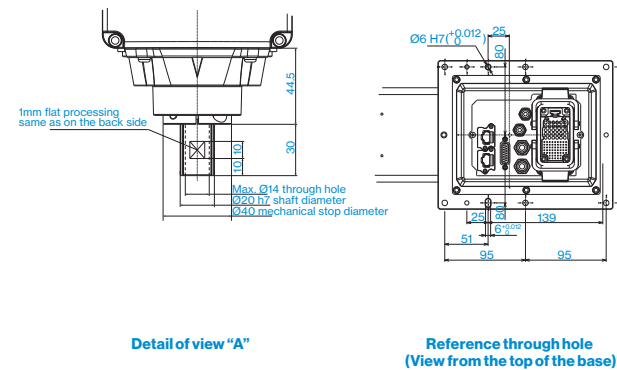
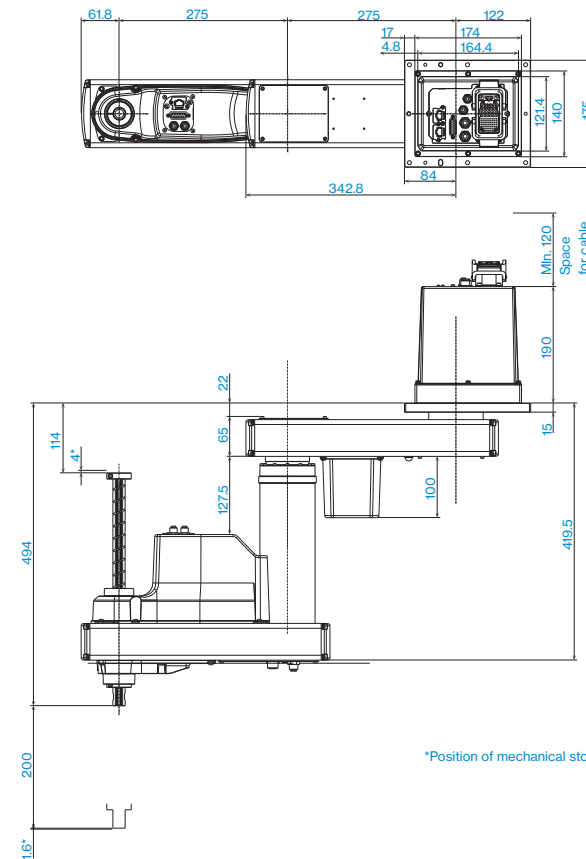
*3: Set the parameters by the Inertia command according to the load and end effector status (refer to the manual for the parameter calculation method). *4: Complies with ISO Class 3 (ISO14644-1) and Fed-st209D Class 1 cleanroom standards. *5: Main resin parts of the ESD model use conductive materials or apply plate processing. For the tip of the Manipulator (tool mounting part), we have confirmed that it is +/- 5V or less even immediately after operating the measurement under our standard. *6: Varies according to operating environment and program.

The values of the products listed in this sheet are measured under various conditions of in-house evaluation. They may vary depending on the environment and conditions of use.

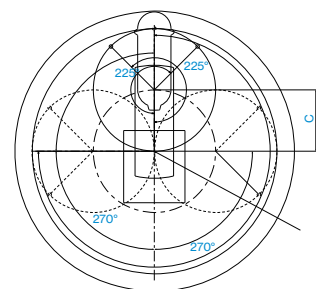
Outer Dimensions

[Unit: mm]

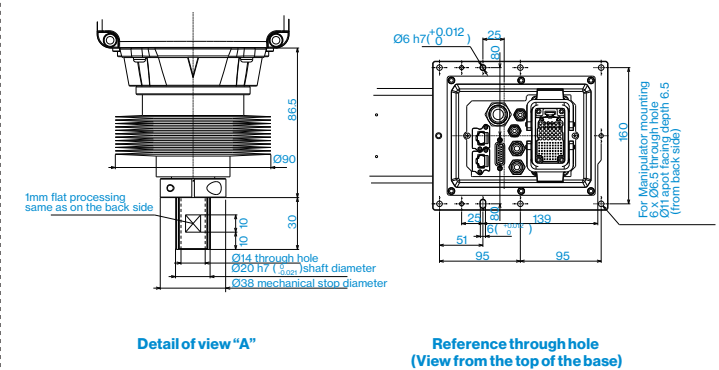
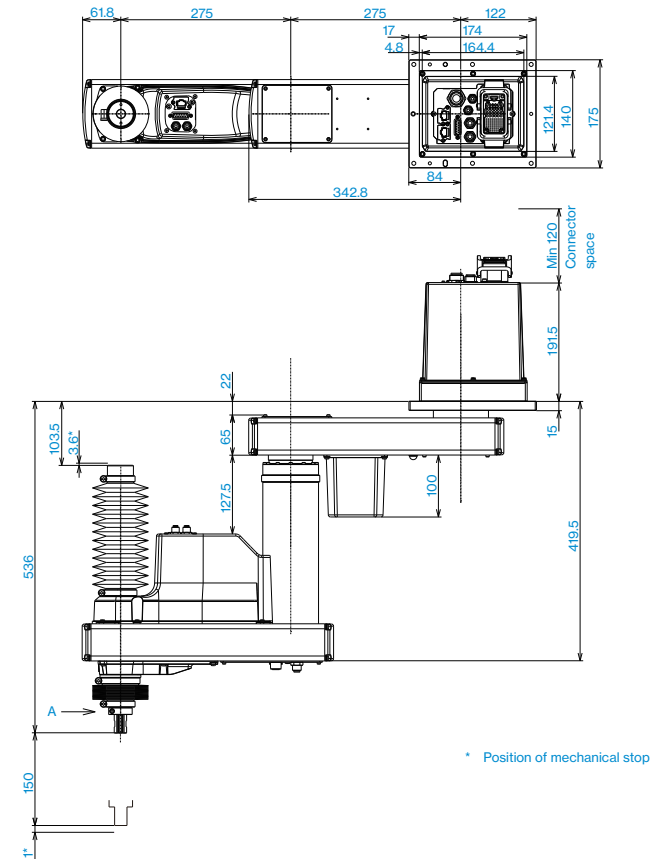
Standard-model



■ Motion Range



Cleanroom-model



Model	RS6-C552□
C Length of Arm #1 (mm)	275
Length of Arm 2 (mm)	275
Joint #1 motion angle (deg)	± 270
Joint #2 motion angle (deg)	± 225