

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 **RS4 -C 35 1**

Payload
4 : 4kg

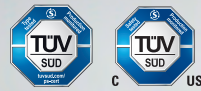
Arm length
35 : 350mm

Installation environment

S : Standard
C : Cleanroom & ESD
(Anti-static)

Joint #3 stroke

1 : 130 mm (Standard)
1 : 100 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

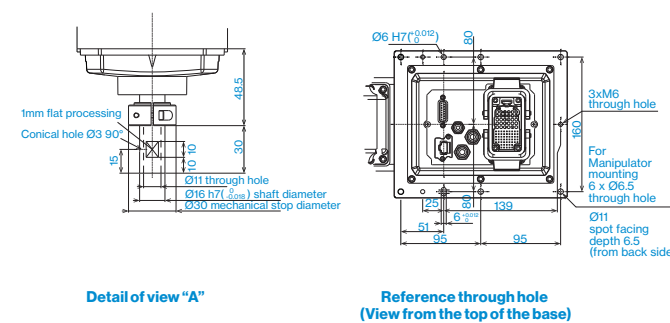
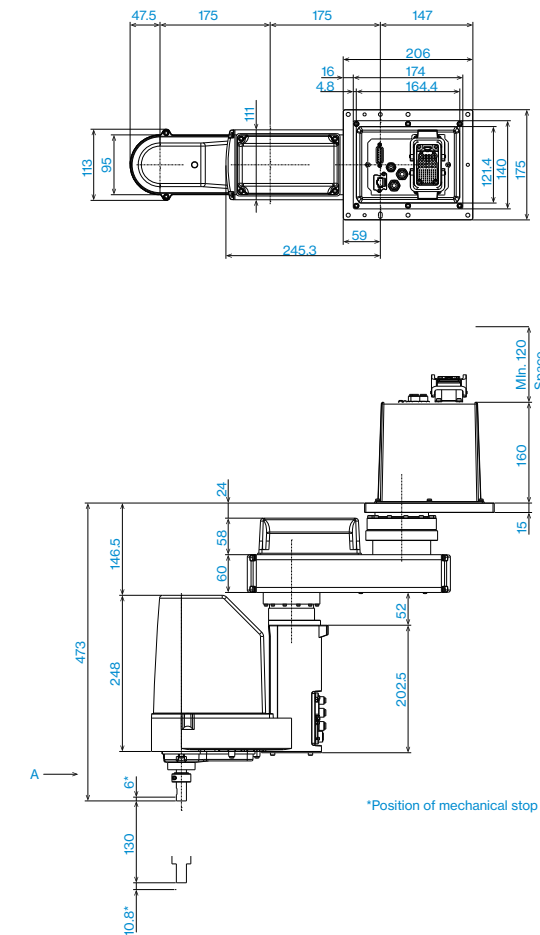
Model number		RS4-C351S	RS4-C351C
Arm length	Arm #1+#2	350 mm	
	Arm #3	130 mm	100 mm
Payload *1	Rated	1.0 kg	
	Max.	4.0 kg	
Repeatability	Joints #1+#2	±0.010 mm	
	Joint #3	±0.01 mm	
	Joint #4	±0.01 deg	
Standard cycle time *2		0.322 sec	
Maximum operating speed	Joints #1+#2	6237 mm/sec	
	Joint #3	1100 mm/sec	
	Joint #4	2600 deg/sec	
Joint #4 allowable moment of inertia *3	Rated	0.005 kg·m ²	
	Max.	0.050 kg·m ²	
Joint #3 press force		150 N	
Installation environment		Standard	Cleanroom*4 & ESD*5
Mounting method		Ceiling mounting	
Weight (not include the weight of cables)		16 kg	
Installed wire for customer use		D-sub (15 pin x 1, Current capacity 1A(Rated)), RJ45 (8 pin x 1)	
Installed pneumatic tube for customer use		ø4 mm x 1, ø6 mm x 2 (Allowable pressure: 0.59 MPa [6 kgf/cm ² : 86 psi])	
Compatible controller		RC800-A	
Power supply		AC200-240 V Single phase	
Maximum rated capacity *6		1.2 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-std209D 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.

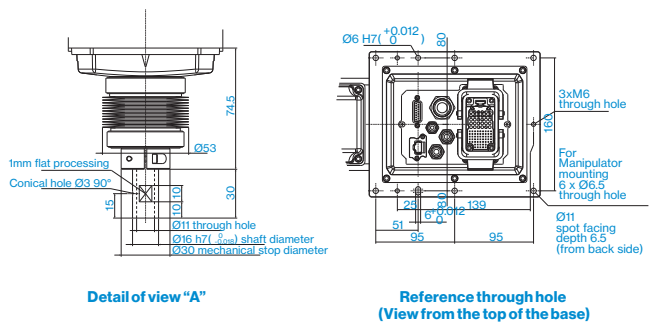
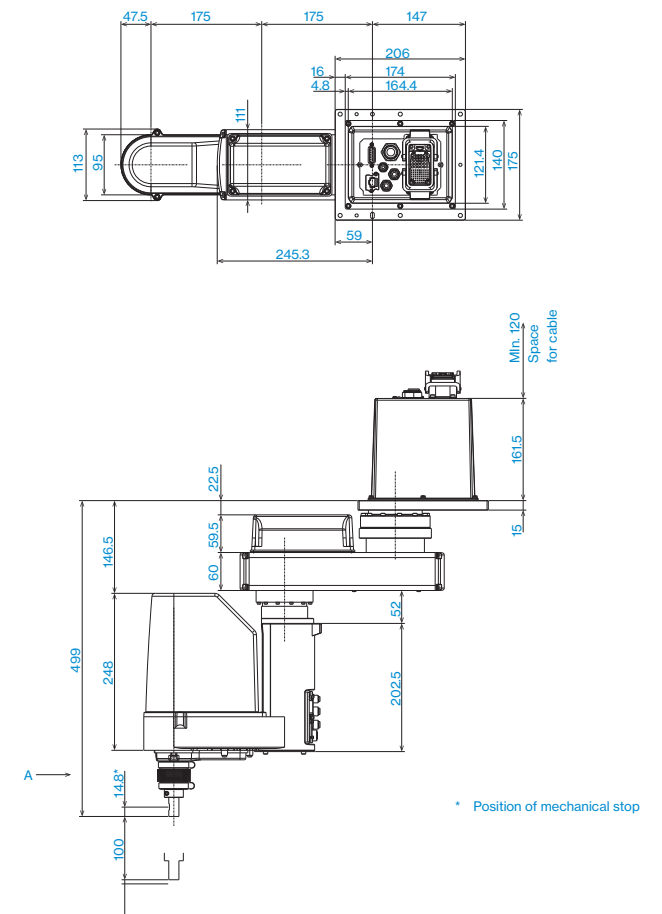
Outer Dimensions

[Unit: mm]

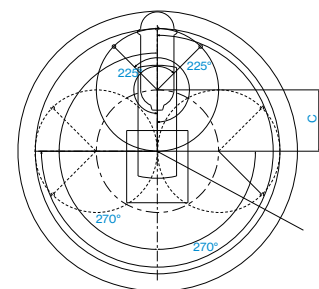
Standard-model



Cleanroom-model



Motion Range



Model	RS4-C351□
C Length of Arm #1 (mm)	175
Length of Arm #2(mm)	175
Joint #1 motion angle (deg)	± 270
Joint #2 motion angle (deg)	± 225