

CX4

NEW
PRODUCT



Ideal for precision product assembling and material handling in narrow space

- Achieve low vibration with GYROPLUS Technology
- Support IP67 and Cleanroom & ESD installation environment
- Battery-less encoder for reduced maintenance



Model Number **CX4 - A 6 0 1 S** □ □

Payload

□ 4 : 4kg

Controller

□ A : RC800-A

Arm length

□ 6 : 600mm

Brake equipment

□ 1 : Brakes on all joints

Internal wiring

□ : Available

-NIW : Not available

Mounting method

□ : Tabletop Mounting

□ R : Ceiling Mounting

□ W : Wall Mounting

Installation environment

□ S : Standard

□ C : Cleanroom & ESD

□ P : Protection(IP67)



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

Specifications

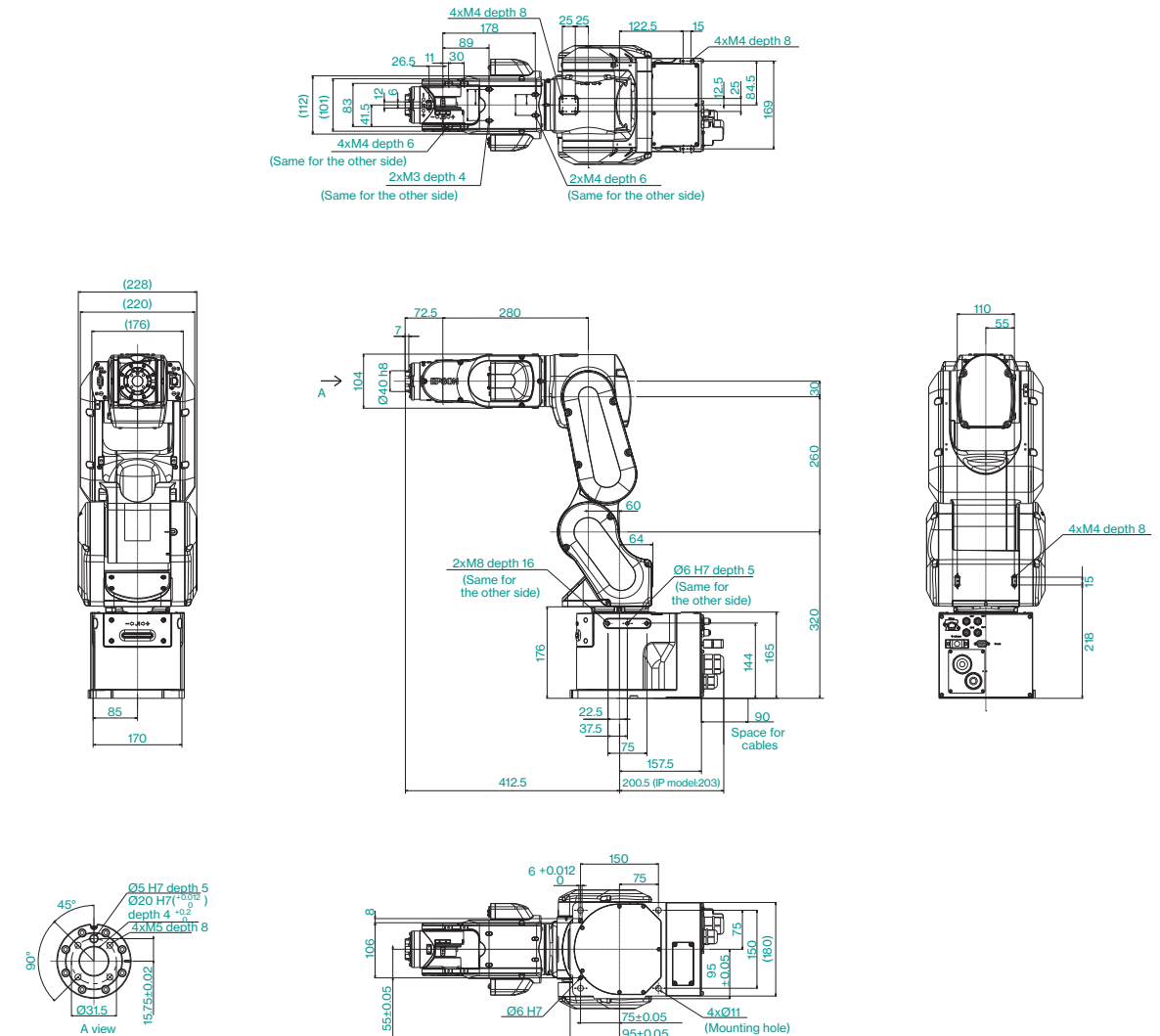
Model number		CX4-A601□	CX4-A601□-NIW
Arm length	Point P:J1 - J5 center	601.6mm	
	J1 - J6 Flange surface	674.1mm	
Payload *1	Rated	1.0kg	
	Maximum	4.0kg (5.0 kg with arm downward positioning)	
Repeatability	Joints #1 ~ #6	±0.01mm	
Maximum operating speed	Joint#1	450 deg/sec	
	Joint#2	450 deg/sec	
	Joint#3	514 deg/sec	
	Joint#4	558 deg/sec	
	Joint#5	570 deg/sec	
	Joint#6	851 deg/sec	
Allowable moment of inertia *2	Joint #4	0.2 kg·m ²	
	Joint #5	0.2 kg·m ²	
	Joint #6	0.1 kg·m ²	
Installation environment		Standard / Cleanroom *3 & ESD *4 / IP (IP67)	
Mounting method		Tabletop mounting (Ceiling mounting*5) / Wall mounting	
Weight (not include the weight of cables)		31 kg (IP: 32 kg)	30 kg (IP: 31 kg)
Installed wire for customer use		D-sub (9 pin x 1), RJ45 (8 pin x 1)	-
Installed wire for customer use		ø4 mm x 4 (Allowable pressure: 0.59 MPa [6 kgf/cm ²])	-
Compatible controller		RC-800A	
Power supply		AC200-240 V Single phase	
Maximum rated capacity *6		1.8kVA	
Cable length		Standard / Flexible : 3 / 5 / 10 / 15 / 20 m	
Safety standard		CE, KCs, NRTL	

*1: If the payload exceeds the maximum payload, refer to the following section. *CX-A series Manual WEIGHT Setting - Restrictions on payload exceeding the maximum payload" *2: 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 eccentricity using INERTIA command *3: Cleanliness: Class ISO 3 (ISO 14644-1) *4: ESD specification uses resin materials with anti-static treatment. This model controls adhesion of dust due to electrification. *5: Manipulators are set to "Foil mount" or "Wall mount" at shipment. To use the Manipulators as "Ceiling mount", you need to change the model settings. For details on how to change the model settings, refer to "CX4 Manipulator 2.5.5 Changing the Robot", and "Epson RC+ User's Guide Robot Configuration". *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]

A601



Motion Range

[Unit: mm]

A601

