

NEW
PRODUCT

Compact body for space-saving material handling

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



These labels are offered to facilitate identification, selection, and use of compatible manipulators that comply with applicable safety standards (ANSI B73.1).

■ Specifications

Model number		CX7-A701 □	CX7-A701 □-NW	CX7-A901 □	CX7-A901 □-NW
Arm length	Point P ₅ J1-J5 center	701.3mm		901.0mm	
	J1-J5 Range surface	782.6mm		982.5mm	
Payload	Rated	3.0kg			
	Maximum	7.0kg			
Repeatability	Joints#1-#6	±0.015mm		±0.02mm	
Maximum operating speed	Joint#1	414 deg./sec		332 deg./sec	
	Joint#2	369 deg./sec		312 deg./sec	
	Joint#3	457 deg./sec		390 deg./sec	
	Joint#4	558 deg./sec			
	Joint#5	547 deg./sec			
	Joint#6	651 deg./sec			
Allowable moment of inertia **	Joint #4	0.49 kg·m ²			
	Joint #5	0.49 kg·m ²			
	Joint #6	0.15kg·m ²			
Installation environment		Standard / Cleanroom ** & ESD ** / IP (IP67)			
Mounting method		Tabletop mounting / Ceiling mounting*4 / Wall mounting			
Weight (not include the weight of cables)		33kg (IP: 34 kg)	32kg (IP: 33 kg)	35kg (IP: 36 kg)	33kg (IP: 35kg)
Installed wire for customer use		D-Sub 9 Pin, RJ45 6pin	-	D-Sub 9 Pin, RJ45 6pin	-
Installed wire for customer use		64 mm ² x 4 (Allowable pressure: 0.05 MPa) (5 kg/cm ²)	-	64 mm ² x 4 (Allowable pressure: 0.05 MPa) (5 kg/cm ²)	-
Compatible controller		RC-800A			
Power supply		AC200-240V Single phase			
Maximum rated capacity **		2.0kVA			
Cable length		Standard / Flexible: 3 / 5 / 10 / 15 / 20m			
Safety standard		CE, FCC, NRTL			

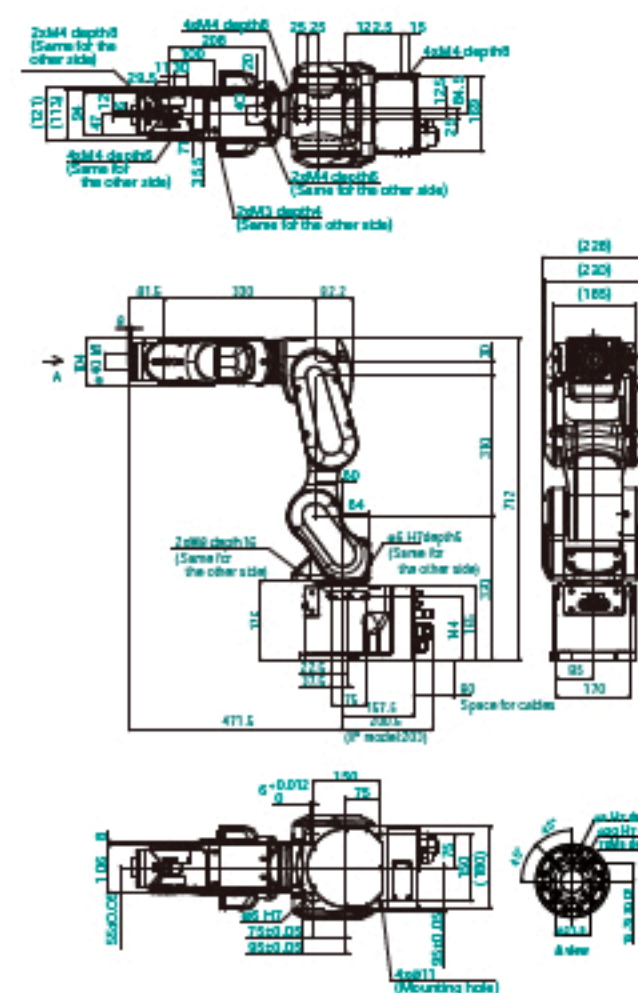
*2: If the center of gravity is at the center of each arm. If the center of gravity is not at the center of each arm, set the eccentricity using IGRTA command. *3: Class lines: Class 5002 (ISO 14644-1) *4: ISO specification uses resin materials with anti-static treatment. This model controls adhesion of dust due to electrification. *5: Manipulators are set to "Floor mount" at shipment. To use the Manipulators as "Ceiling mounting", you need to change the model settings. For detail on how to change the model settings, refer to "CX-Ma manipulator 2.5.5 Change in the Robot", and "Peco RC-User's Guide Robot Configuration".

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.

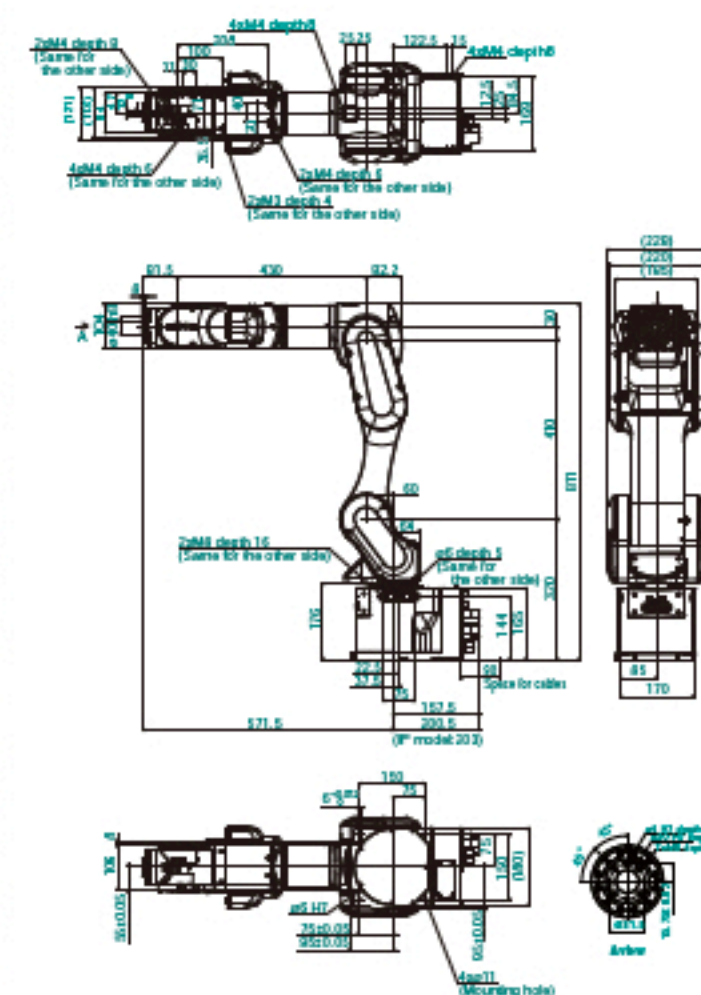
Outer Dimensions

[Unit: mm]

A701



A901

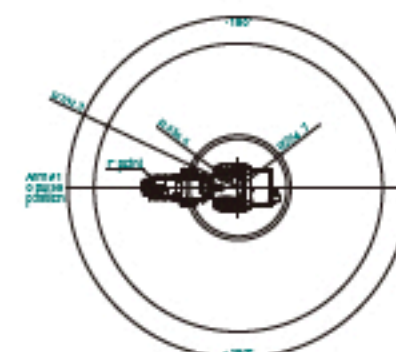


■ Motion Range

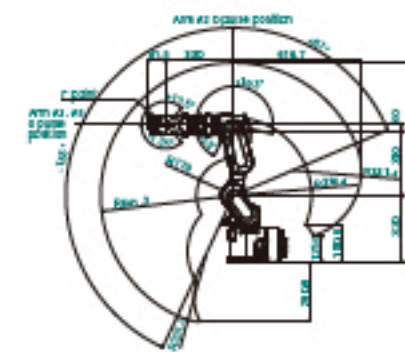
[Unit: mm]

A701

Top View



Lateral View

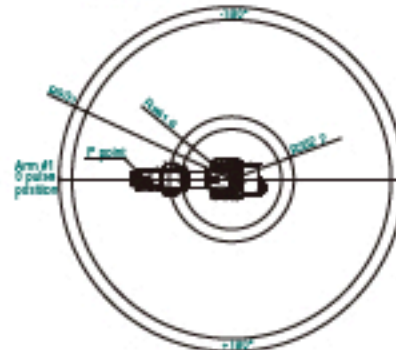


Front View

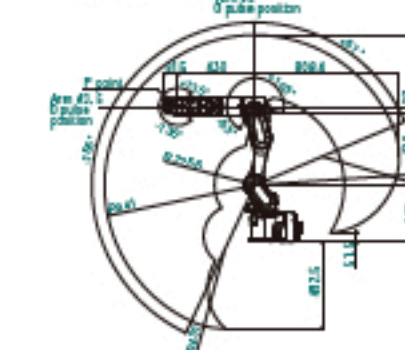


A901

Top View



Lateral View



Front View

