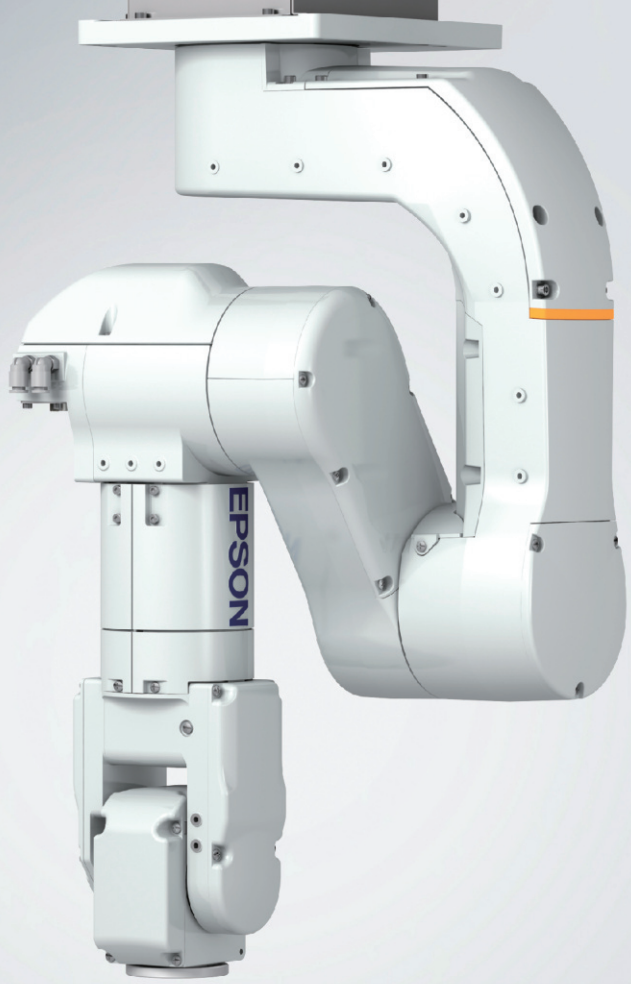
N series compact 6-axis robot

N2



Unique folding arm design provides the motion flexibility of a 6-axis robot in the space-saving compact size

- Slim folding arm design
- Requires only 600mm x 600mm installation space — 40% less than a C4 robot*
- Arm rotation enables shortcut access to workpiece from any direction

*C4: ø660 mm → N2: ø460 mm (Epson data as of October 2018)

Model Number **N2 - A 45 0 S R**

- Payload
  - 2 : 2.5kg
- Arm length
  - 45 : 450mm
- Brake equipment
  - 0 : Brakes on the Joints #2 to #6
- Mounting type
  - □ : Table Top Mounting
  - R : Ceiling Mounting
- Environment
  - S : Standard model

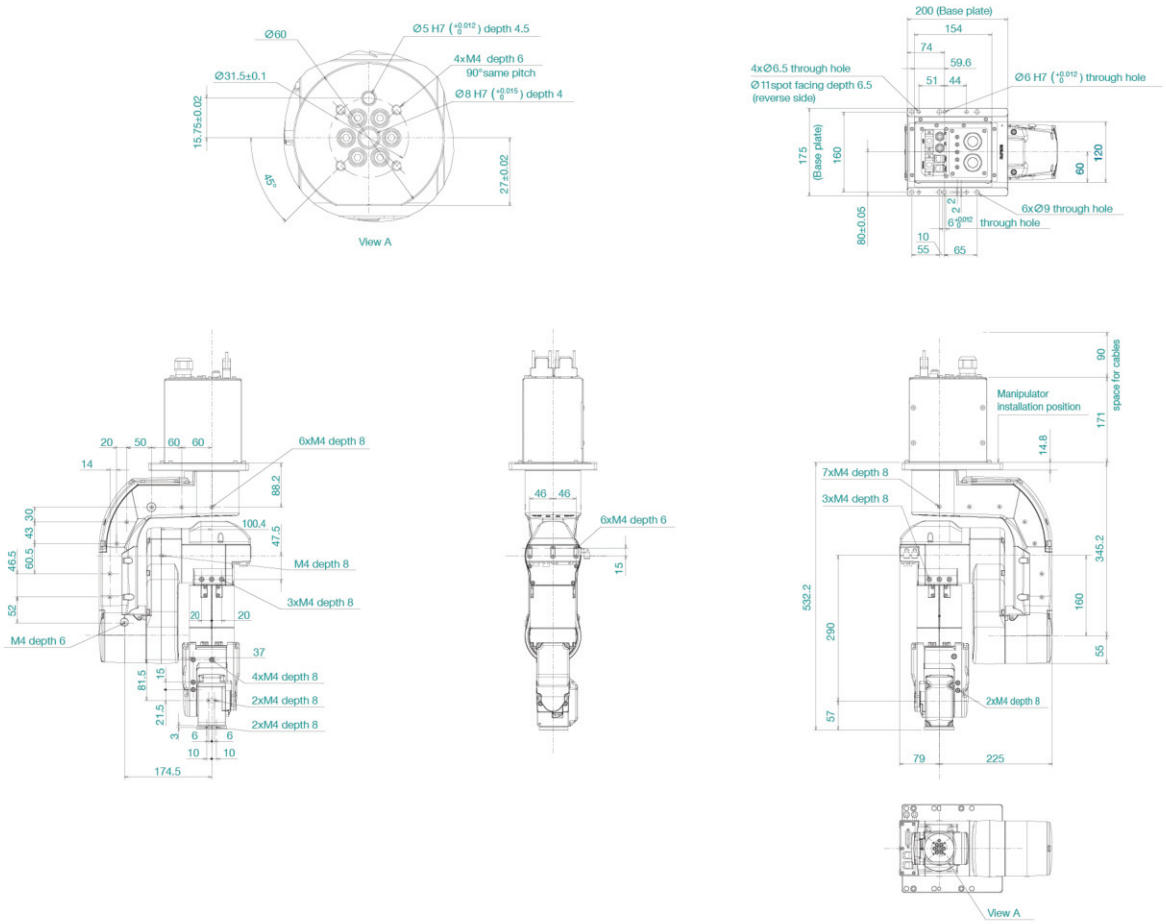
Specifications

Model name		N2
Model number		N2-A450SR
Max. motion range	P point:through the center of J4/J5/J6	450mm
	Wrist flange surface	532.2mm
Payload*1	Rated	1.0kg
	Maximum	2.5kg
Repeatability		±0.02mm
Max. motion range	J1	297 deg/sec
	J2	297 deg/sec
	J3	356 deg/sec
	J4	356 deg/sec
	J5	360 deg/sec
	J6	360 deg/sec
Allowable moment of inertia*2	Joint #1-#6	0.2kg•m²
	Joint #4	0.2kg•m²
	Joint #5	0.08kg•m²
Installation environment	Joint #6	Standard
Mounting type		Ceiling / Table top *3
Weight (cable not included)		19kg
Applicable Controller		RC-700A
Installed wire for customer use		15 pin (D-sub) 8 pin (RJ45) Cat 5e or equivalent (2 cables) (also used for Force Sensor)
Installed pneumatic tube for customer		Φ6 mm x 2 : 0.59 MPa (6 kgf/cm²)
Power		AC200-240 V Single phase
Power Consumption*4		0.6 kVA
cable length		3 m/ 5 m/ 10 m/ 15 m/ 20 m
Safety standard		CE, KC

*1: Do not apply the load 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 eccentric quantity using INERTIA command.
*3: Robots are set up for ceiling-mount use at shipment. For tabletop use, robots should be programmed using the EPSON RC+ software tabletop-mount settings.
*4: Varies according to operating environment and program.

Outer Dimensions

[Unit: mm]



Motion Range

[Unit: mm]