

Epson AX6 Collaborative 6-Axis Robot



Transform what's possible—enable ease of use with no-code software.

Power- and force-limiting — with a proper risk assessment, helps increase worker interaction without the need for safety shields

Easy-to-use no-code software — program the robot with an intuitive user interface that does not require previous programming experience

Compact, lightweight and robust design — carbon fiber structure creates a space-efficient and lightweight workcell, ideal for many collaborative applications; IP54 and ISO 5 cleanroom¹ rated

Customizable Python development environment — upload your custom libraries and modules to develop more complicated robotic application workcells easily

Industrial kinematics — easily generate straight-line, curved or joint motions from either a no-code or Python-based environment

End-of-arm multifunctional user buttons — include three customizable and two dedicated buttons; easily teach positions by manually moving the robot in free space and utilizing the Teach buttons

End-of-arm Ethernet port and pneumatic connections — simplifies end-of-arm tooling for grippers, dispensers and more

Compatible with multiple power sources — supports 100 V to 240 V AC and 48 V DC

End-of-arm multicolor status LED ring — quickly assess the robot's status through fixed color status lights at the end of the arm

3D simulator — test programs in simulation before running them within the workcell

Model Name		AX6 6-Axis Collaborative Robot
Model Number		RAX6-A
Mounting Type		Tabletop, Ceiling, Wall
Arm Length	Distance J2 to wrist center	900 mm
Repeatability	Joints #1 - #6	±0.03 mm
Payload	Max.	6.0 kg
Max. Motion Range	Joint #1	±240 deg
	Joint #2	±155 deg
	Joint #3	±160 deg
	Joint #4	±240 deg
	Joint #5	±155 deg
	Joint #6	±50 full rotations
Maximum Linear Speed of the Tool Center Point (TCP)		2,000 mm/sec
User Electric Lines		8-Pin (Enet, M12, X-coded), 8-Pin x 2 (I/O, M8, A-coded)
User Pneumatic Lines		ø4 mm x 4
Power		AC: 100 V – 240 V ±10%, 50 Hz – 60 Hz / DC: 48 V ±15%
Power/Singal/Ethernet Cable Length		0.5 m/1.5 m/3.0 m/5.0 m
Weight (Cables Not Included)		18 kg
Applicable Controller		RC-A101
Installation Environment		Cleanroom (ISO 5) ¹
What's Included		AX6 robot and RC-A101 controller. Robot power, signal and Ethernet cables.

Support

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¹ Complies with ISO Class 5 (ISO 14644-1) cleanroom standards.

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