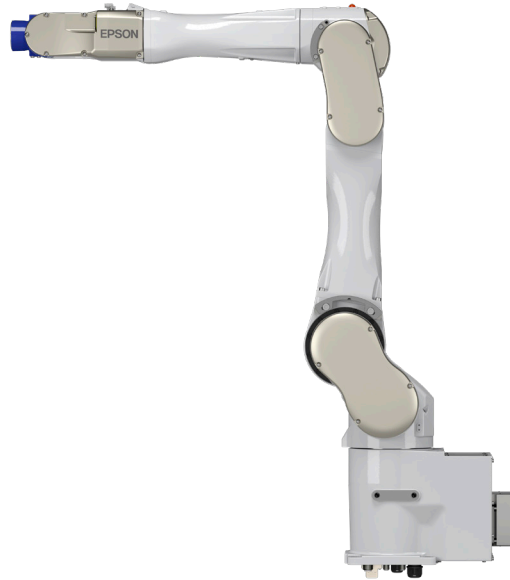


# Epson C8XLC 6-Axis Robot



## Innovative features. Remarkable flexibility.

**Ultra high performance and flexibility** — high throughput with max-rated payloads and multiple arm configurations to accomplish the most demanding assembly needs

**Minimize the workcell space requirement with SlimLine design** — compact wrist pitch enables access to hard-to-reach areas in confined spaces; tabletop, wall and ceiling mounting options and 1,400 mm reach available

**Fast cycle times** — high acceleration, smooth motion and fast settling times help maximize throughput with proprietary GYROPLUS™ vibration reduction system, plus no ringing or overshoot<sup>1</sup>

**Ultimate ease of use** — intuitive and feature-packed Epson RC+® development software helps create powerful solutions with a simple user interface, integrated debugger and advanced 3D simulator

**Designed for reliability** — innovative, compact design handles max-rated workloads at fast speeds and high precision within a small footprint

**Low total cost of ownership** — includes features that help reduce support and installation costs: batteryless encoders, a built-in Ethernet cable, Epson RC+ software and a rich suite of safety features

**Accelerate the development of workcell applications** — fully integrated, optional solutions include vision guidance, parts feeding, force guidance, conveyor tracking and fieldbus; Epson RC+ Solutions Platform allows for seamless expansion of third-party solutions, benefiting developers and end users

**Increase user interaction without sacrificing productivity** — SafeSense™ technology's standard and advanced safety features, with a proper risk assessment, help allow for increased productivity and worker protection while potentially minimizing workcell footprint due to the reduction of physical barriers

**Built for demanding environments** — Standard, Cleanroom (ISO 4)<sup>2</sup> and ESD, and Protected IP67 models available

**World-class service and support** — with four decades of automation experience, Epson provides support for your automation needs through its dedicated application and service teams

Model Name		C8XLC 6-Axis Robot		
Mounting Type		Tabletop, Ceiling, Wall		
Arm Length	P Point: Joints #1 - #5 Center	1,400 mm		
	P Point: Joints #1 - #6 Flange Surface	1,480 mm		
Repeatability	Joints #1 - #6	±0.05 mm		
Payload	Rated	3 kg		
	Max.	8 kg		
Standard Cycle Time <sup>3</sup>		0.512 sec		
Max. Motion Range	Joint #1	±240 deg		
	Joint #2	-135 deg ~ +55 deg		
	Joint #3	-61 deg ~ +202 deg		
	Joint #4	±200 deg		
	Joint #5	±135 deg		
	Joint #6	±540 deg		
Allowable Moment of Inertia	Joint #4	0.47 kg-m <sup>2</sup>		
	Joint #5	0.47 kg-m <sup>2</sup>		
	Joint #6	0.15 kg-m <sup>2</sup>		
User Electric Lines		15-Pin (D-Sub), 8-Pin (RJ45 Cat5e), 6-Pin (Force Sensor)		
User Pneumatic Lines		ø6 mm x 2		
Brakes		All Axes		
Power		AC 200 V – 240 V (single phase)		
Power Consumption		2.5 kVA		
Power Cable Length		3 m/5 m/10 m		
Weight (Cables Not Included)		63 kg (IP:66 kg)		
Applicable Controller		RC800A		
Installation Environment		Standard/Cleanroom (ISO 4) <sup>2</sup> and ESD/Protected IP67		
Safety Standards		TUV-certified to meet ISO 10218-1, UL 1740, CSA Z434, ISO 13849		
What's Included		C8XLC robot and RC800A controller with safety board. Robot power and signal cables. Connector set (I/O, hand I/O and safety circuit connectors).		
Options				
		Vision Guide	Available	
		IntelliFlex™ Feeders	Available	
		Force Guide	Available	
		Conveyor Tracking	Available	
		Epson RC+ API 8.0	R19NZ901JK	
		GUI Builder 8.0	R19NZ901JQ	
		Fieldbus Master	Available	
		Fieldbus Slave (Ethernet/IP, EtherCAT®, PROFINET, PROFIBUS, CC-Link, DeviceNet®)	Available	
		External Control Point (ECP) 8.0	R19NZ901JL	
		Teach Pendant	Available	
		Epson OPC UA for Robotics	R19NZ901JZ	

### Contact:



**Air-Oil Systems, Inc.**  
AUTOMATION SOLUTIONS  
753 WAMBOLD ROAD SOUDERTON, PA 18964-2715  
215.721.9595 800.333.5520 FAX 215.721.7666  
[www.airoil.com](http://www.airoil.com)

<sup>1</sup> When operated within specifications. | <sup>2</sup> Complies with ISO Class 4 (ISO14644-1) cleanroom standards. | <sup>3</sup> Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) at rated payload setting of tabletop model boost mode (path coordinates optimized for maximum speed).

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