

Epson LS4C SCARA Robot



Advanced capabilities.
Scalable expansion.
Exceptional value.

High performance, flexibility and value — high throughput with max-rated payloads and multiple arm configurations to accomplish the most demanding assembly needs—all at an affordable price

Fast cycle times — high acceleration, smooth motion and fast settling times help maximize throughput with proprietary GYROPLUS™ vibration reduction system, plus no ringing or overshoot¹

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 ultra 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, part 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

Minimize the workcell space requirement with an optimized robot footprint — 400 mm reach available

Built for demanding environments — Standard and Cleanroom (ISO4)²/ESD 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		LS4C SCARA Robot
Model Number		LS4C401x
Mounting Type		Tabletop
Arm Length	Joint #1 + Joint #2	400 mm
Repeatability	Joints #1, #2	±0.01 mm
	Joint #3	±0.01 mm
	Joint #4	±0.01 deg
Payload	Rated	2.0 kg
	Max.	4.0 kg
Standard Cycle Time ¹		0.336 sec
Max. Motion Range	Joint #1	±132 deg
	Joint #2	±141 deg
	Joint #3	150 mm (120 mm Clean)
	Joint #4	±360 deg
Joint #4 Allowable Moment of Inertia	Rated	0.005 kg-m ²
	Max.	0.05 kg-m ²
User Electric Lines		15-pin (D-sub), RJ45
User Pneumatic Lines		ø6 mm x 2, ø4 mm x 1
Power		AC 200 V – 240 V single phase
Power Consumption		1.2 kVa
Power Cable Length		3 m/5 m/10 m
Weight (Cables Not Included)		14 kg
Applicable Controller		RC800A
Installation Environment		Standard/Cleanroom (ISO 4) ² ESD
Safety Standards		TUV-certified to meet ISO 10218-1, UL 1740, CSA Z434, ISO 13849
What's Included		LS4C robot and RC800A controller, E-Stop unit with cable and connector, cable with flying leads for controller E-Stop/Safety connection, 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®)	Available
	External Control Point (ECP) 8.0	R19NZ901JL
	Teach Pendant	Available
	Epson OPC UA for Robotics	R19NZ901JZ

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¹ When operated within specifications. | ² Complies with ISO Class 4 (ISO14644-1) cleanroom standards. | ³ Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) with 2 kg payload (path coordinates optimized for maximum speed).

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