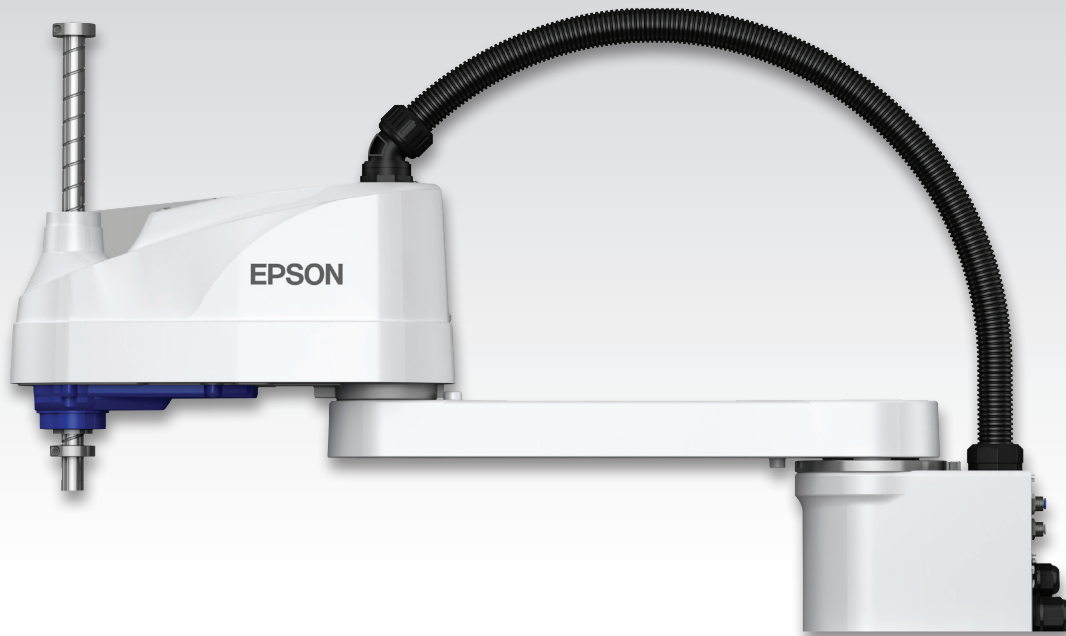


LS6-B SCARA Robot

Robots

SCARA



Powerful performance at a remarkable value.

- Reliability and versatility** — full-featured robot at an affordable price
- Easy to use** — intuitive and feature-packed Epson RC+® Development Software makes it easy to create high-performance solutions
- Powerful servo system design** — proprietary Epson® gyro sensors allow for low residual vibration
- Outstanding acceleration/deceleration rates** — smooth start/stop motion
- High speed** — delivers fast cycle times to maximize part throughput
- ISO 4-clean models available** — for critical dust-free applications
- Versatility for multiple applications** — various reaches available (500, 600 and 700 mm); up to 6 kg payload; multi-tool capable
- Integrated options** — Vision Guide, designed specifically for robot guidance; plus, fieldbus interface solutions; RC+ 7.0 API software for open-platform functionality; teach pendants; customizable GUIs
- Easy setup** — built-in camera cable for optional Vision Guide system; top-of-arm electrical and pneumatic layout with screw holes to mount additional equipment
- No battery required for encoder** — minimizes downtime and reduces overall cost of ownership



Specifications

Model Name		LS6-B SCARA Robot		
Model Number		LS6-B50x	LS6-B60x	LS6-B70x
Mounting Type		Tabletop		
Arm Length	Joint #1 + Joint #2	500 mm	600 mm	700 mm
Repeatability	Joints #1 - 2	± 0.02 mm		
	Joint #3	± 0.01 mm		
	Joint #4	± 0.01 deg		
Payload	Rated	2 kg		
	Max.	6 kg		
Standard Cycle Time ¹		0.39 sec	0.40 sec	0.42 sec
Max. Motion Range	Joint #1	± 132 deg		
	Joint #2	± 150 deg		
	Joint #3 Standard	200 mm		
	Joint #3 Clean	170 mm		
	Joint #4	± 360 deg		
Allowable Moment of Inertia (Joint #4)	Rated	0.01 kg-m ²		
	Max.	0.12 kg-m ²		
User Electric Lines		15-pin (D-sub), 8-pin (RJ45 Cat 5e)		
User Pneumatic Lines		ø6 mm x2, ø4 mm x1		
Brakes		Z-Axis only		
Power		AC 200 - 240 V Single Phase		
Power Consumption		1.1 kVa		
Power Cable Length		3 m/5 m/10 m		
Weight (cables not included)		17 kg: 37.5 lb		18 kg 39.7 lb
Applicable Controller		RC90-B		
Installation Environment		Standard or Cleanroom (ISO 4)		
Safety Standards		CE Marking: EMC Directive, Machinery Directive KC Mark, KCs Mark ANSI/RIA R15.06-2012 NFPA79 (2007 Edition)		
What's in the Box		LS6-B SCARA Robot and RC90-B Controller Robot power cable Epson RC+ software USB cable E-Stop unit with cable LS6-B Robot System Safety & Installation Manual Connector set (I/O, hand I/O and safety circuit connectors)		
Options				
		Vision Guide CV2		Available
		Vision Guide PV1		Available
		LS6-B Camera Mounting Bracket		R12NZ90039
		OCR (for use with Vision Guide)		R12NZ920H3
		Epson RC+ 7.0 API		R12NZ920AE
		GUI Builder 7.0		R12NZ920AH
		External Control Point (ECP) Option		R12NZ920AF
		TP1 – Teach Pendant		R12NZ900L7
		TP2 – Teach Pendant		R12NZ9005P
		Ethernet/IP Fieldbus I/O (Slave)		R12NZ900A7
		DeviceNet Fieldbus I/O (Slave)		R12NZ9004F
		PROFINET Fieldbus I/O (Slave)		R12NZ900A6
Support				
		Customer Service (562) 290-5920 service@robots.epson.com		
		Applications Support (562) 290-5930 applications@robots.epson.com		
		Sales Inquiries (562) 290-5997 info@robots.epson.com		

¹ Cycle time based on round-trip arch motion (300mm horizontal, 25mm vertical) with 2 kg payload (path coordinates optimized for maximum speed).
See the latest innovations from Epson Business Solutions at www.epson.com/forbusiness

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