

EPSON LS-Series

EPSON®
EXCEED YOUR VISION

LS3 / LS6 SCARA Robots

- Fast Cycle Throughput
- Industry Leading Ease of Use
- Compact Footprint Robot
- Arm Lengths from 400 to 600mm
- ISO 4 Clean Compliant Models
- Fully Integrated Options including:
Vision Guidance, .Net Connectivity,
DeviceNet, Profibus, Expansion I/O
and more

Low Cost
AND High
Performance



Fast, Compact and Low Cost

Epson LS-Series robots were created as the reduced cost solution for factories looking for maximum value without giving up performance. But as with all Epson Robots, they are still packed with the same performance and reliability our users have come to expect from Epson. In addition, Epson LS-Series robots are able to meet the demanding space requirements in factories today by providing a small footprint solution with superior workspace usage. With outstanding cycle times, industry leading ease of use and of course Epson reliability, they are the robots of choice for high speed applications where superior performance is required at a value price.

All EPSON LS-Series SCARA robots are available with our low cost, high performance RC90 Controller that provides the ultimate experience in ease of use and reliability all at an incredibly low price. *Why choose a low performance solution when you can have a high performance EPSON LS-Series SCARA robot with powerful EPSON controls?*

LS-Series robots are ideally suited for applications and industries requiring demanding cycle times, high precision and high reliability such as: hard disk assembly, electronics, medical device assembly, lab automation, photonics, semiconductor, telecommunications and many more.



Available with our
Low Cost
RC90 Controller



The Best Just Got Better

LS-Series Specifications



EPSON ROBOTS			LS3-401x	LS6-602x
Arm Length (mm)		Horiz. (J1 + J2)	225 + 175 = 400	325 + 275 = 600
Payload (kg)		Max. / Rated	3/1	6/2
Repeatability	mm	J1 + J2	+/-0.01	+/- 0.02
		J3		+/-0.01
	deg	J4		+/-0.01
Cycle Time w/ 1kg (sec)			0.42	0.39
Max. Operating Speed	mm/sec	J1 + J2	6,000	6,800
		J3		1,100
	deg/sec	J4	2,600	2,000
Motor Wattage (W)			200 / 100 / 100 / 100	200 / 200 / 100 / 100
Insertion Force			100N	
U inertia	kg_m ²	Max. / Rated	0.05 / 0.005	0.12 / 0.01
Axis Motion Range	J1 (deg)			+/-132
	J2 (deg)		+/-141	+/- 150
	J3 (deg)	Std / Clean	150 / 120	200 / 170
	J4 (mm)	All		+/-360
User Lines		Electric	15 lines	
		Air	ø4 x 1, ø6 x 2	
Z Axis Diameter (mm)			ø16	ø20
Mounting Hole Footprint (mm)			120 x 120 (4-M8) / 120 x 135	150 x 150 (4-M8)
Weight (kg)			14	17
Environmental		Temperature	5 - 40 deg C	
		Humidity	10 - 80% (non condensing)	
Optional Arm Configurations		Mounting Type	Tabletop	
		Clean	ISO 4 Clean	
Robot Cables (Meters)			3M (standard) / 5M (optional) / 10M (optional)	
Available Controllers			RC90	
Options			<ul style="list-style-type: none"> • Vision Guide • Teach Pendant (TP2) • Fieldbus I/O (DeviceNet, Profibus and CC-Link) 	<ul style="list-style-type: none"> • External Control Point (ECP) • VB Guide • Expansion I/O • RS-232C

EPSON Robots

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