

EPSON G-Series

G6 SCARA Robots

- Over 72 G6 Models Available
- Arm Lengths 450 to 650 mm
- Faster Cycle Times by up to 20%
- Increased Payload by 20%
- Reduced Residual Vibration for faster accel/decel rates
- Expanded Motion Range
- Tabletop, Ceiling, and Wall Mount configurations available
- IP54 and IP65 washdown models
- Class 10 Cleanroom/ESD models
- Fully Integrated Options Including: Vision Guidance, .Net Connectivity, Devicenet, Profibus, additional I/O and more
- Meets CE & ANSI/RIA safety Standards

NEW

EPSON®
EXCEED YOUR VISION



Available with
our low cost
Micro
PowerDrive™
Controller!



The EPSON G6 robots are part of the new G-Series line of next generation EPSON SCARA Robots. With faster cycle times, larger payloads, increased work envelopes, and much more, EPSON G-Series SCARA robots provide outstanding performance at a value price. G6 robots are available in table top, ceiling or wall mount configurations. They are also available in Clean/ESD, IP65 or IP54 configurations for cleanroom, static sensitive assembly processes, and food or material handling applications where wash down capabilities are required. G6 robots are ideal for applications in the Automotive, Appliance, Aerospace, Computer Components, Consumer Products, Electronics, Food, Medical Devices, Plastics, Semiconductor, and Telecommunications industries due to their many sizes, configurations and first class Performance.

G6 SPECIFICATIONS



Robot Model			G6-45x	G6-55x	G6-65x
Payload (kg)		Max. / Rated	6 / 3		
Arm Length (mm)		Horiz. (J1 + J2)	200 + 250 = 450	300 + 250 = 550	400 + 250 = 650
Axis Motion Range	J1 Area Limit (deg)	Floor Mount	+/-152		
		Ceiling Mount	+/-120	+/-152	
		Wall Mount	+/-105	+/-135	+/-148
	J2 Area Limit (deg)	Floor Mount	+/-147.5 (Z = -270 to -330: +/-145)	+/-147.5	
		Ceiling Mount	+/-130	+/-147.5	
		Wall Mount	+/-130	+/-147.5	
J3 (Ver)	All	180 / 330			
J4 (Rot)	All	+/- 360			
Repeatability	mm	J1 + J2	+/-0.015		
		J3	+/-0.010		
	deg	J4	+/-0.005		
U inertia	kg·m ²	Max. / Rated	0.12 / 0.01		
Max. Operating Speed	mm/sec	J1 + J2	6,440	7,170	7,900
		J3 (180 / 330)	1,100 / 2,350		
	deg/sec	J4	2400		
Cycle Time w/ 2kg (sec)			0.351	0.365	0.389
User Lines	Electric		24 lines (15pin, 9pin)		
	Air		φ6 ↔ 2, φ4 ↔ 2		
Environmental	Temperature		5 - 40 deg C		
	Humidity		10 - 80% (non condensing)		
Z Axis Diameter (mm)			φ20		
Mounting Hole Footprint (mm)			150 x 150 (4-M8)		
Motor Wattage (W)			400 / 400 / 200 / 100		
Weight (kg)	Floor Mount		27		28
	Ceiling Mount		27		28
	Wall Mount		29		29.5
Options	Mounting Type		Tabletop, Ceiling, Wall		
	Clean & ESD		Class 10 Clean & ESD		
	IP Rating		IP54, IP65		

**See our Entire
G-Series Lineup
at robots.epson.com**



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