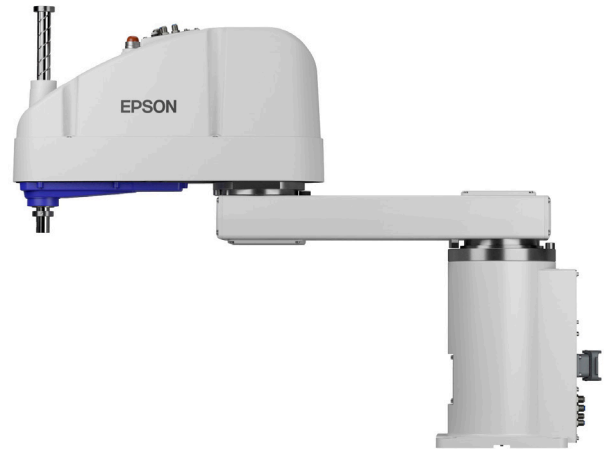


Epson® GX20C SCARA Robot



Epson GX—taking SCARA performance to the next level.

Ultra high performance and flexibility — high throughput with heavy payloads and multiple arm configurations to accomplish the most demanding assembly needs

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 heavy 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 machine footprint due to the reduction of physical barriers

Minimize the workcell space requirement with an optimized robot footprint — multiple mount and cable exit options; 850 mm or 1,000 mm reach available

Built for demanding environments — Standard, Cleanroom (ISO 3)² and ESD, and Protected IP65 models available

Model Name		GX20C SCARA Robot					
Model Number		GX20-C85x			GX20-CA0x		
Mounting Type		Tabletop	Ceiling	Wall	Tabletop	Ceiling	Wall
Arm Length	Joint #1 Plus Joint #2	850 mm			1,000 mm		
Repeatability	Joints #1 - #2	±0.025 mm					
	Joint #3	±0.010 mm					
	Joint #4	±0.005 deg					
Payload	Rated	10 kg					
	Max.	20 kg					
Standard Cycle Time ³		0.37 sec			0.42 sec		
Max. Motion Range	Joint #1	±152 deg	±107 deg		±152 deg	±107 deg	
	Joint #2 Std	±152.5 deg					
	Joint #2 Clean & Protected	±152.5 deg	±130 deg		Z: 0--360 mm ± 152.5 deg Z: -360--390 mm ± 151 deg		
	Joint #3 Std	180 mm/420 mm					
	Joint #3 Clean	150 mm/390 mm					
	Joint #4	±360 deg					
Joint #4 Allowable Moment of Inertia ⁴	Rated	0.05 kg·m ²					
	Max.	0.45 kg·m ²					
Joint #3 Downforce		250 N					
User Electric Lines		15-pin (D-sub), 9-pin (D-sub)					
User Pneumatic Lines		ø4 mm x2, ø6 mm x2					
Brakes		Joint #3 and Joint #4					
Power		AC 200 V - 240 V (single phase)					
Power Consumption		2.5 kVa					
Power Cable Length		3 m/5 m/10 m (straight and angled cable end options)					
Weight (Cables Not Included)		49 kg, 108 lb	53 kg, 117 lb	50 kg, 110 lb	55 kg, 121 lb		
Applicable Controller		RC800A					
Installation Environment		Standard/Cleanroom ISO3 ² & ESD/Protected					
Safety Standards		TUV Certified to meet ISO 10218-1, UL 1740, CSA Z434, ISO 13849					
What's Included		GX20C 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					
	Arm Length Calibration	R19NZ901JW					
	Bellows Kit (Standard and Long Z)	Available					

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 When operated within specifications. | 2 Complies with ISO Class 3 (ISO 14644-1) and FED-STD-209D Class 1 cleanroom standards. | 3 Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) with 2 kg payload for tabletop model boost mode (path coordinates optimized for maximum speed). | 4 When payload center of gravity is aligned with Joint #4; if not aligned with Joint #4, set parameters using INERTIA command.

See the latest innovations from Epson Business Solutions at [epson.com/forbusiness](https://www.epson.com/forbusiness)

Epson America, Inc.
3131 Katella Ave., Los Alamitos, CA 90720

Epson Canada Limited
185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca

Specifications and terms are subject to change without notice. EPSON and Epson RC+ are registered trademarks and GYROPLUS is a trademark of Seiko Epson Corporation. IntelliFlex and SafeSense are trademarks of Epson America, Inc. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2025 Epson America, Inc. CPD-65635R1 2/25

Contact: