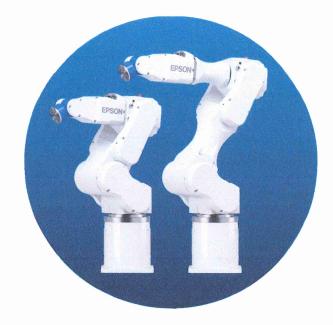


## C4B/C4LB 6-Axis Robot



Innovative Features. Remarkable Flexibility.

**Ultra high performance and flexibility** — high throughput with maxrated payloads and multiple arm configurations to accomplish many of the most demanding tasks with leading-edge precision

**SlimLine design** — compact wrist pitch enables access to hard-to-reach areas in confined spaces; tabletop and ceiling mounting options and 600 and 900 mm reaches available

**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

**Low total cost of ownership** — includes battery-less encoders and Epson RC+ software with no recurring license fee; rich suite of safety features included with RC700E controller; robots are TUV-certified to meet ISO 10218-1 and UL1740 safety standards

SafeSense™ technology — standard and advanced safety features allow for increased productivity and worker protection while potentially minimizing machine footprint due to the reduction of physical barriers with a proper risk assessment

Industrial collaborative workcell tools — combine SafeSense technology and no-code Epson RC+ Express software to easily develop industrial collaborative solutions with remarkable speed and repeatability

**Built for demanding environments** — Standard and Cleanroom (ISO 3<sup>2</sup>)/ESD models available

**Advanced integrated options** — Vision Guidance, Parts Feeding, Force Guidance, Conveyor Tracking and Fieldbus

**Industry 4.0 ready** — advanced OPC UA for robotics connectivity provides next-level integration and monitoring



Model Name		C4B 6-Axis Robot	C4LB 6-Axis Robot
Mounting Type		Tabletop	, Ceiling
Arm Length	P Point: Joints #1 - 5 Center	600 mm	900 mm
	P Point: Joints #1 - 6 Flange Surface	665 mm	965 mm
Repeatability	Joints #1 - 6	± 0.02 mm	± 0,03 mm
	Rated	1 kg	
Payload	Max.	4 kg	
Standard Cycle Time <sup>3</sup>		0.36 sec	
	Joint #1	± 170 deg	
Max. Motion Range	Joint #2	-160 deg ~ +65 deg	
	Joint #3	-51 deg ~ +225 deg	
	Joint #4	± 200 deg	
	Joint #5	± 135 deg	
	Joint #6	± 360 deg	
Allowable Moment of Inertia	Joint #4	0.15 kg·m²	
	Joint #5	0.15 kg·m²	
	Joint #6	0.10 kg·m²	
User Electric Lines		9-Pin (D-Sub)	
User Pneumatic Lines		ø4 mm x 4	
Brakes		All Axes	
Power		AC 200 V - 240 V Single Phase	
Power Consumption		1.7	kVA
Power Cable Length		3 m/5 m/10 m	
Weight (Cables Not Included)		27 kg	30 kg
Applicable Controller		RC7	'00E
Installation Environment		Standard/Cleanroom (ISO 3²) ESD	
Safety Standards		TUV-certified to meet ISO 10218-1, UL 1740, CSA Z434, ISO 13849	
What's Included		C4B robot and RC700E controller with safety board. Robot power and signal cables. Connector set (I/O, hand I/O and safety circuit connectors).	C4LB robot and RC700E controller with safety board. Robot power and signal cables. Connector set (I/O, hand I/O and safety circuit connectors)
Options			
Vision Guide CV2		Available	
IntelliFlex* Feeders		Available	
Force Guidance		Available	
Conveyor Tracking		R12NZ900AA	
Epson RC+ 7.0 API		R12NZ920AE	
GUI Builder 7.0		R12NZ920AH	
Add-On Instructions		Available	
Fieldbus Master		Available	
Fieldbus Slave (EtherNet/IP, EtherCat®, PROFINET, PROFIBUS, CC-Link, DeviceNet®)		Available	
External Control Point (ECP) Option		R12NZ920AF	
Teach Pendant		Available	
Epson OPC UA for Robots		R19NZ901CE	
Vision Guide Camera Mount		R12NZ9003F	

