EPSON
EXCEED YOUR VISION

SPECIFICATION SHEET

Robots

SCARA

T6-B All-in-One SCARA Robot

Value without compromise.
The ultimate slide alternative.

Easy to install, plus fast integration — installs in minutes, unlike complex linear-slide systems; requires less time and money for system integration

All-in-One solution — includes built-in controller with power for end-of-arm tooling, all in one space-saving structure

Value without compromise — offers the same intuitive software, powerful features and reliability found in Epson's most advanced robots, providing incredible value at an affordable cost

Space-saving design with built-in controller — controller conveniently housed in the robot's base helps save critical floorspace

Easy to use — intuitive and feature-packed Epson RC+® development software makes it easy to create powerful solutions; also comes with Epson RC+ Express, enabling new users to develop robotic solutions with little to no programming experience necessary

Runs on 110 V or 220 V power — low wattage and power consumption; no special panel or plug required

Built-in power for end-of-arm tooling — eliminates the need for an external power source

Integrated vision guidance option — designed specifically for robot guidance; makes it easy to automate simple applications when vision is required

No battery required for encoder — minimizes downtime and reduces overall cost of ownership

Other integrated options — teach pendant, IntelliFlex™ parts feeding, fieldbus master and slave interface boards available, including EtherNet/IP and Add on Instructions for easy integration with Allen-Bradley PLCs

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T6-B All-in-One SCARA Robot

Model Name		T6-B SCARA Robot
Model Number		T6-B602SS
Mounting Type		Tabletop
Arm Length	Joint #1 plus Joint #2	600 mm
Repeatability	Joints #1 - 2	± 0.040 mm
	Joint #3	± 0.020 mm
	Joint #4	± 0.02 deg
Payload	Rated	2 kg
	Max.	6 kg
Standard Cycle Time[1]		0.46 sec
Max. Motion Range	Joint #1	± 132 deg
	Joint #2	± 150 deg
	Joint #3	200 mm
	Joint #4	± 360 deg
Allowable Moment of Inertia (Joint #4)	Rated	0.01 kg·m²
	Max.	0.080 kg·m²
Joint #3 Down Force	Max.	83 N
User Electric Lines		Hand I/O: IN6/OUT4 D-Sub 15pin User I/O: IN18/OUT12
User Pneumatic Lines		ø6 mm x2, ø4 mm x1
Brakes		Z-Axis only
Power		AC 100 - 240 V Single Phase
Power Consumption		1.2 kVa
Power Cable Length		5 m
Weight (cables not included)		22 kg: 48.5 lb
Applicable Controller		Built in
Safety Standards		CE Marking
What's in the Box		T6-B robot, Robot power cable, Epson RC+ software and Epson RC+ Express software, E-Stop unit with cable, T6-B Robot System Safety & Installation Manual, Connector set (I/O, hand I/O and safety circuit connectors)

Options		
	Integrated Vision Guidance	Available
	OCR (for use with Vision Guide)	R12NZ920H3
	IntelliFlex Parts Feeding	Available
	Epson RC+ 7.0 API	R12NZ920AE
	TP3 – Teach Pendant	R12NZ900N3
	TP2 – Teach Pendant	R12NZ9005P
	GUI Builder 7.0	R12NZ900AH
	External Control Point (ECP) Option	R12NZ920AF
	Ethernet/IP Fieldbus I/O (Slave)	R12NZ900TH
	Ethernet/IP Fieldbus I/O (Master)	R12NZ900NZ
	DeviceNet Fieldbus I/O (Slave)	R12NZ900TE
	DeviceNet Fieldbus I/O (Master)	R12NZ900NX
	EtherCAT Fieldbus I/O (Slave)	R12NZ900TX
	Profibus Fieldbus I/O (Slave)	R12NZ900TF
	Profibus Fieldbus I/O (Master)	R12NZ900NY
	PROFINET Fieldbus I/O (Slave)	R12NZ900TG
	CC Link Fieldbus I/O (Slave)	R12NZ900TD
	Epson Add on Instructions for Allen-Bradley	R19NZ911A5
	Z-Axis Coupler	RE001064-1
	Tool Mounting Plate (for use with Z-Axis Coupler)	R12NZ90036
	Camera Mounting Bracket	R12NZ90039

Support

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1 Cycle time based on round-trip arch motion (300 mm horizontal, 25 mm vertical) with 2 kg payload (path coordinates optimized for maximum speed).

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