

T6-B All-in-One SCARA Robot

Contact Us
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Value without compromise. The ultimate slide alternative.

An innovative alternative to complex, slide-based systems, the improved T6-B All-in-One SCARA Robot installs in minutes and easily integrates into existing workflows, helping users save time and money. Designed to seamlessly fit in a variety of workspaces, this all-in-one solution features a built-in controller, power for end-of-arm tooling and 110 V or 220 V power—virtually eliminating any space-constraint issues. Plus, it offers a 600 mm reach and a payload of up to 6 kg to easily handle a variety of tasks.

The perfect choice for automation experts and novices alike, the T6-B makes it easy to create an array of solutions with two powerful development environments, Epson RC+® and Epson RC+ Express. Ideal for virtually any application, Epson RC+ redefines automation efficiency by offering a comprehensive suite of advanced tools and features in one convenient, integrated environment. Alternatively, all-new Epson RC+ Express helps coding newcomers get up and running quickly with an intuitive, no-code, visual-based robot teaching environment that easily handles simple applications.

Offering powerful features at an incredible value, the T6-B All-in-One SCARA Robot is an extraordinary value-without-compromise automation solution.

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Overview

All-in-One Solution

Convenient, ultra low cost way to bring automation to your factory; features space-saving design, ease of use, and a built-in controller

Easy to Use Industrial Software

Epson makes it easy to create an array of solutions with two powerful development environments.

- **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

What's In The Box:

- T6-B robot
- Robot power cable
- Epson RC+ software
- 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)

Specifications

Core Specifications:

Arm Length / Reach:

J1 + J2: 600mm

Repeatability:

J1 + J2: ± 0.040 mm

J3: ± 0.020 mm

J4: ± 0.02 deg

Payload (Kg):

Rated: 2kg

Max.: 6kg

Cycle Time:

0.46 secs¹

Motion Range:

Max. J1: ± 132 deg, J2: ± 150 deg, J3: 200 mm, J4: ± 360 deg

Allowable Moment of Inertia:

Rated: 0.001 kg·m²

Max.: 0.080 kg·m²

Mounting Configurations:

Tabletop

Other:

J3 Down Force: 83 N

Brakes: Z-Axis only

Other Specifications:

Controller:

Built-in

User Lines:

Hand I/O: IN6/OUT4 D-Sub 15pin

User I/O: IN18/OUT12

User Pneumatic Lines: $\varnothing 6$ mm x2, $\varnothing 4$ mm x1

Weight:

22 kg: 48.5 lb

Robot Cables:

5 m

Safety Regulations:

CE Marking

Power:

AC 100 - 240 V Single Phase

Power Consumption:

1.2 kVa

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