Looking to automate your factory without wasting time or money on complex slide-based solutions? Now you can — with the groundbreaking **T3 All-in One SCARA robot from Epson**, the #1 SCARA robot manufacturer in the world. This innovative robot offers fast, easy integration and takes less time to install than most automation solutions available. With 110 V and 220 V power and a wide variety of options, including integrated vision guidance, the T3 All-in-One truly has it all.
Simplicity Redefined in a Compact All-in-One Solution

What about space constraints? The T3 virtually eliminates that issue. With a built-in controller, plus built-in power for end-of-arm tooling, this space-saving all-in-one has everything you need — and installs in minutes. Plus, it includes the same intuitive Epson RC+® software and powerful features found in Epson’s high-end robots.

Feature-packed at an Amazing Price

- Easy to install, fast integration — unlike complex linear-slide systems, the T3 installs in minutes and requires less time and money for system integration
- All-in-One solution — built-in controller with power for end-of-arm tooling; takes up less space than linear-slide solutions
- Full featured, ultra low cost — includes same powerful feature set as Epson’s high-end robot lineup at an incredibly affordable price
- Built-in controller — saves critical workspace with the controller conveniently housed in the robot’s base
- Easy to use — intuitive and feature-packed Epson RC+ development software makes it easy to create powerful solutions
- Comes standard with 110 V and 220 V power — low wattage and power consumption (no special panel or plug required)
The Ultimate Slide Alternative

The T3 All-in-One SCARA robot takes up less space than linear-slide solutions, while providing a large work envelope. The perfect alternative for your automation workflow, it offers a number of significant advantages, including:

- Faster integration/installation
- All-in-One design with built-in controller and power for end-of-arm tooling
- Faster cycle times
- Reduced footprint
- Lower total cost of ownership
- Powerful options including Epson’s integrated Vision Guide
- 4 built-in axes in one compact design
Automation Applications

The T3 All-in-One SCARA robot is extremely versatile, providing a wide range of automation possibilities:

- Assembly
- Pick and place
- Material handling
- Packaging
- Kitting/Tray loading
- Machine tending
- Screw driving
- Dispensing
- Palletizing
- Lab analysis and testing
- Inspection and test
- Finishing
- Grinding/Polishing

Visit www.epsonrobots.com
Options and Accessories

Integrated Vision Guidance

- **Highly regarded in the industry** as simple to use with a wide variety of powerful tools, Epson Vision Systems have provided integrated robot guidance for over 20 years. Our Vision Guide software features high performance tools in an intuitive point-and-click environment.

Fieldbus Interface Options

- **Fieldbus I/O interfaces** are used in factories worldwide to reduce cabling costs and setup time, and promote standard device usage. However, there is not one accepted Fieldbus I/O standard. That's why we offer a wide variety of options including:
  
  • Ethernet/IP
  • DeviceNet
  • EtherCAT
  • PROFINET
  • PROFIBUS
  • CC-Link

GUI Builder

- **Epson’s GUI Builder provides** the tools necessary to create graphical user interfaces from within the Epson RC+ Development Environment. With the GUI Builder toolset built in, users can work from one development environment, which helps reduce overall development time.

  - Create GUI’s without Visual Studio or other third-party software tools
  - Create and debug GUI forms from your Epson RC+ Project
  - Form and control events are executed as SPEL+ tasks

SPECIALLY PRICED

T3 All-in-One + vision guidance bundle available with PV1 Vision Guide.

See your local reseller for more information.
### SPECIFICATIONS

- **Mounting Type**: Tabletop
- **Arm Length (Joints #1 and #2)**: 400 mm
- **Payload**
  - Rated: 1 kg
  - Max.: 3 kg
- **Repeatability**
  - Joint #1 and 2: ±0.02 mm
  - Joint #3: ±0.02 mm
  - Joint #4: ±0.02 deg
- **Standard Cycle Time**: 0.54 sec
- **Max. Motion Range**
  - Joint #1: ±132 deg
  - Joint #2: ±141 deg
  - Joint #3: 150 mm
  - Joint #4: ±360 deg
- **Weight (cables not included)**: 16 kg; 35 lb
- **Joint #4 Allowable Moment of Inertia**
  - Rated: 0.003 kg·m²
  - Max.: 0.01 kg·m²
- **Joint #3 Downward Force**: 83 N
- **User Electric Lines**
  - Hand I/O: IN6/OUT4 (D-sub 15-pin)
  - User I/O: IN18/OUT12
- **User Pneumatic Lines**
  - ø6 mm x 2, ø4 mm x 1

### OTHER

- **Power**
  - AC 100 – 240 V
- **Power Consumption**: 660 Va
- **Power Cable Length**: 5 m
- **Controller**: Inside of manipulator
- **Safety Standard**
  - CE Mark: EMC directive, machinery directive, RoHS directive
  - ANSI/RIA R15.06-2012
- **WHAT’S IN THE BOX**
  - T3 robot
  - Robot power cable
  - Epson RC+ software
  - USB cable
  - E-Stop unit with cable
  - T3 Robot System Safety & Installation Manual
  - Connector set (I/O, hand I/O and safety circuit connectors)

### 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

### ORDERING INFORMATION

- **Product Name**: T3 All-in-One SCARA Robot
- **Product Code**: RT3-401SS
- **Options**
  - Integrated Vision Guidance
  - OCR (for use with Vision Guide)
  - Epson RC+ 7.0 API
  - GUI Builder 7.0
  - External Control Point (ECP) Option
  - TP3 – Teach Pendant
  - TP2 – Teach Pendant
  - Ethernet/IP Fieldbus I/O (Slave)
  - Ethernet/IP Fieldbus I/O (Master)
  - DeviceNet Fieldbus I/O (Slave)
  - DeviceNet Fieldbus I/O (Master)
  - PROFIBUS Fieldbus I/O (Slave)
  - PROFIBUS Fieldbus I/O (Master)
  - EtherCAT Fieldbus I/O (Slave)
  - EtherCAT Fieldbus I/O (Master)
  - CC-Link Fieldbus I/O (Slave)
  - CC-Link Fieldbus I/O (Master)

### REDUCED HEIGHT CABLE DUCT

- Reduces vibration

### CONTROLLER STATUS LEDS

- Display error conditions

### BUILT-IN POWER MODULE

- Power supply and distribution

### EASY-ACCESS BACK PANEL CONNECTIONS

- Ethernet, I/O, air and more

### THROUGH-ARM CONNECTIONS

- EOA I/O, air tubes, brake release

### SELF-CONTAINED MOTOR ENCODER, AMP UNITS

- J1, J2, J3, J4

### J2 MOUNTING HOLES

- For mounting camera brackets

### BUILT-IN CONTROLLER

- CPU, DPB, CPU battery, CF card

---

Visit [www.epsonrobots.com](http://www.epsonrobots.com)
Epson Business Solutions

Epson is a leading provider of innovative technology solutions that help businesses succeed. We partner with you to best meet your specific needs, focusing on:

- Improved productivity
- World-class customer service and support
- Cost-effective, high-quality solutions
- A commitment to the environment

Discover how Epson can help you work toward the future. www.epson.com/forbusiness