

ROBOT SPECIFICATIONS 2022 CATALOG



Why Epson Robots?

As precision automation specialists, the Epson® Robots team has been building automation products for nearly four decades. An industry leader in small-parts-assembly applications, we've introduced many firsts. As a result, our innovative products are hard at work in thousands of manufacturing facilities throughout the world.

Leading Epson technology

- Epson is the #1 SCARA robot manufacturer in the world
- We introduced the world's first folding-arm 6-Axis robot
- Specialized integrated motion sensors help reduce vibration and increase performance

What you need, when you need it

- The Epson lineup features 6-Axis and SCARA robots with payloads up to 20 kg and a reach ranging from 175 to 1,480 mm
- We offer a wide range of fully integrated options including vision guidance, conveyor tracking, flexible parts feeding, force guidance and more

Intuitive programming software

- Epson RC+® software is extremely user-friendly, making automation setup fast and easy
- It includes time-saving features such as wizards, templates, smart tools and more

4 Reliability you can count on

- Dedicated to helping you find the best solution for your automation needs
- Epson robots are long-lasting and require little maintenance
- Over 100,000 robots sold worldwide



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Meet Epson's Lineup of Award-winning SCARA and 6-Axis Robots

T-Series

Automate your factory without wasting time or money on complex slide-based solutions. These innovative All-in-One robots are available at an ultra low cost and offer fast, easy integration, taking less time to install than most automation solutions. With reach distances of 400 and 600 mm, they can handle payloads of 3 kg and 6 kg.

RS-Series

These zero-footprint robots are some of the most unique and flexible SCARA robots available in the market today. With reach distances of 350 and 550 mm, and payloads of 3 kg and 4 kg, they offer cycle times starting at 0.34 sec.

LSB-Series

The perfect solution for factories looking for maximum value without sacrificing performance, the LSB-Series offers fast, compact performers at a low cost. With reach distances ranging from 400 to 1,000 mm, and payloads from 3 kg to 20 kg, they feature cycle times starting at 0.38 sec.

G-Series

With more than 300 models available, high-performance G-Series robots are ideal for applications where fast cycle times and high precision are required. The Epson lineup offers reach distances ranging from 175 to 1,000 mm, and payloads from 1 kg to 20 kg, plus cycle times starting at 0.29 sec.

VT-Series

Offering next-level technology at an incredible price, VT-Series All-in-One 6-Axis robots ensure easy setup with a built-in controller. With a reach of 900 mm and payloads up to 6 kg, these robots are ideal for simple applications such as machine load/unload, packaging, assembly and more.

C4-Series

C4 robots offer excellent performance for the most demanding and complex tasks. Compact, yet powerful, they deliver high repeatability and fast cycle times with reach distances ranging from 600 to 900 mm and payloads up to 4 kg.

N-Series

Setting a new standard for 6-Axis robots, the N-Series includes a revolutionary folding-arm design for maximum motion efficiency. N-Series robots offer reach distances of 450 to 1,000 mm and payloads of 2.5 and 6 kg.

C8 / C12 -Series

C8 and C12 robots are ideal for demanding applications requiring 6-Axis dexterity. With both long reach and heavy payloads, they provide remarkable flexibility. In fact, these compact robots offer reach distances ranging from 700 to 1,400 mm and payloads up to 12 kg.

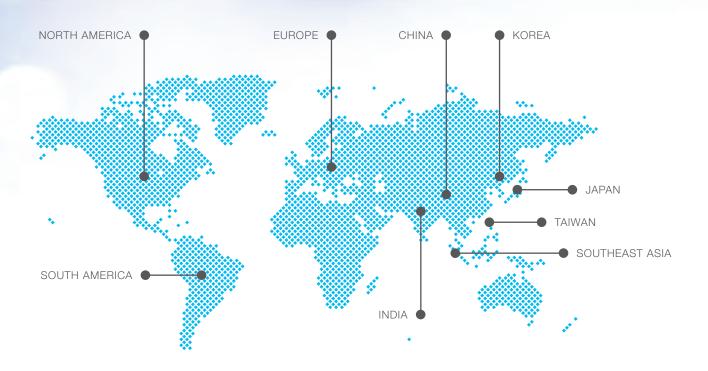
Industry Solutions

Epson Robots is a leading supplier to a wide variety of manufacturing industries including automotive, medical, electronics, consumer products, industrial and many more. Our customers range from large Fortune 100 companies to small manufacturing facilities.

- Automotive: Brakes, clutch components, ignition systems, instrument panels, headlights, mirrors, locks, sensors and more
- Medical: Contact lenses, glasses, dental instruments, dental implants, hearing aids, pacemakers, blood test systems and much more
- Electronics: Chip handling and placement, encoder assembly, board and laser diode testing, wire bonding and more
- Consumer products: Smartphones, tablets, speakers, jewelry, watches, cosmetics, printers and more



Global High-quality Support, When and Where It's Needed



At Epson, our reputation is built on the high quality of our products and services, and maintaining that quality is a worldwide priority. Our support network for robotic products includes nine regional centers, and we stand ready to meet the needs of customers in virtually every major market.

Applications

Epson robots are extremely versatile and provide a wide range of automation possibilities:

- Assembly
- Pick and place
- Material handling
- Packaging
- Kitting/Tray loading

- Machine tending
- Screw driving
- Dispensing
- Palletizing
- Lab automation

- Inspection and testing
- Finishing
- Grinding

Why Epson SCARA Robots? **EPSON EPSON**

Epson's lineup of over 300 models gives users the power to choose the right robot for their application. It's just part of what makes us the #1 SCARA robot manufacturer in the world.

Hundreds of models available

- Sizes ranging from 175 to 1,000 mm in reach
- Payloads up to 20 kg
- Tabletop, wall and ceiling-mount options

Fast speeds

Extraordinary cycle times to maximize parts per hour

Extreme precision

Repeatability down to 5 microns

SCARA



T-Series All-in-One

T-Series All-in-One SCARA robots are the perfect alternative to complex slide-based solutions. These spacesaving robots install in minutes. And, they include the same intuitive software and powerful features found in Epson's high-end robots.



LSB-Series

LSB-Series SCARA

robots offer the high performance and great reliability that users have come to expect from Epson, but at a lower cost. LSB-Series SCARAs were created for factories looking for maximum value without giving up performance.



RS-Series

RS-Series robots are

some of the most unique and flexible SCARA robots available in the market today. With the ability to cross back under, as well as reach behind themselves, RS-Series robots are able to utilize the entire workspace underneath the arm. As a result, there is no lost space in the center of the work envelope.



G-Series

G-Series SCARA robots feature a high-rigidity arm design that delivers high speed, high precision and low vibration.

G-Series SCARA robots offer a wide variety of sizes from 175 to 1,000 mm in reach, with up to 20 kg payloads.



Epson is the #1 SCARA robot manufacturer in the world