Industry-leading SCARA Robots

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Precision automation specialists

Epson is the global leader in robotics technology, offering an impressive combination of high-performance and simplicity. Backed by a worldwide reputation for reliability and outstanding support, Epson robots are bringing highly productive, automated manufacturing to an ever-expanding range of industries across the globe.

We have been the #1 SCARA robot manufacturer in the world for more than 10 years

We have over 40 years' experience in robotics

We have installed more than 150,000 robots

We speak your language, localized organization and partners



*Market share based on unit sales of industrial SCARA robots, 2011-2021 (Source: Fuji Keizai "2012-2022 Reality and Future Outlook of Worldwide Robot Market")

How we guarantee success

We have been building our SCARA robots for 40 years to be fast, precise and reliable. With current trends such as digitalisation, decentralisation of factories, and low-volume mixed production, automation today needs to be more than just high-performing - it also needs to be agile and adaptive. That's why Epson designs all new manufacturing solutions to keep up with automation trends and be simple, smart and scalable.

Simple

Easy to buy and use Simple installation of the system Easy to service

Smart

Enables smart integration in the factory eco system Predictive maintenance Condition monitoring Innovative mechanical design Energy and space saving One product ecosystem

All-round customer service

Pre sales support

Clarify Needs Targeting cycle time

After Sales Service

Maintenance Service operation Spare parts

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Application support Programming support Solution finding Ensure that the robot is up to date



Celebrating 40 years of Epson robots in 2023



Scalable

Over 500 modells with one software for all Range of payloads and arm reach Unique price performance Installation environments



Technical sales support

Validation of the Customer requirements

Feasibility study/cycle time analysis

Evaluation and choosing the right robot

Robotic academy

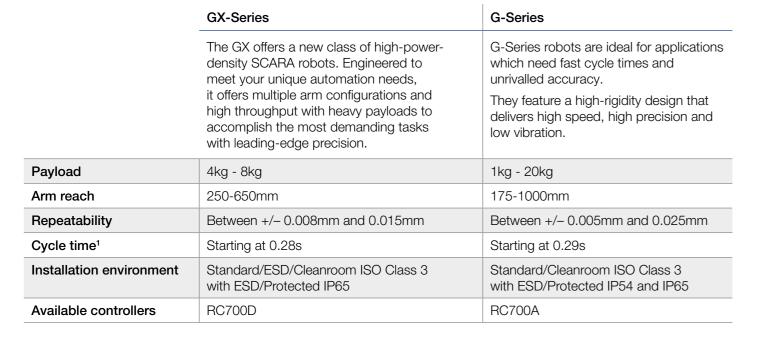
User Training Software Training Maintenance Training

The built-to-fit series

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Building on 40 years of expertise, the GX-Series takes high-power-density SCARA robots to a new level of performance and flexibility, offering high throughput with heavy payloads and leading-edge precision. The G-Series is designed to suit different environments and mounting types to fit into any machine - whether it's new or a retrofit. It's a high-speed and high-precision model, with different payloads and arm reaches. The RS-Series offers unique flexibility, with zero-footprint robots that can use the entire workspace underneath the arm.







RS-Series

These zero-footprint 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 utilise the entire workspace underneath the arm. As a result, there is no lost space in the centre of the work envelope.

Payload	3kg - 4kg
Arm reach	350-550mm
Repeatability	Between +/- 0.010mm and 0.0
Cycle time ¹	Starting at 0.34s
Installation environment	Standard/Cleanroom (ISO 3) and
Available controllers	RC700A



*Market share based on unit sales of industrial SCARA robots, 2011-2021. (Source: Fuji Keizai "2012-2022 Reality and Future Outlook of Worldwide Robot Market")

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Available to buy online

LSB-Series and T-B Series robots can be purchased in our online store, along with peripherals, accessories and additional software options. Both series are versatile, simple to use, and have small footprints making them easy to deliver all across the EMEA region.



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

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Payload	3kg - 20kg
Arm reach	400-1,000mm
Repeatability	Between +/- 0.01mm and 0.025 mm
Cycle time ¹	Starting at 0.39s
Installation environment	Standard/Cleanroom (ISO 4)
Available controllers	RC90-B



T-B	Series
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slide-based solutions.

These space-saving robots install in minutes and include the same intuitive software and powerful features found in Epson's high-end robots.

With features such as a built-in controller and an encoder with no battery required, they make automating your factory fast, easy and affordable.

Payload	3kg - 6kg
Arm reach	400-600mm
Repeatability	Between +/- 0.02mm and 0.04r
Cycle time ¹	Starting at 0.46s
Installation environment	Standard
Available controllers	Build in



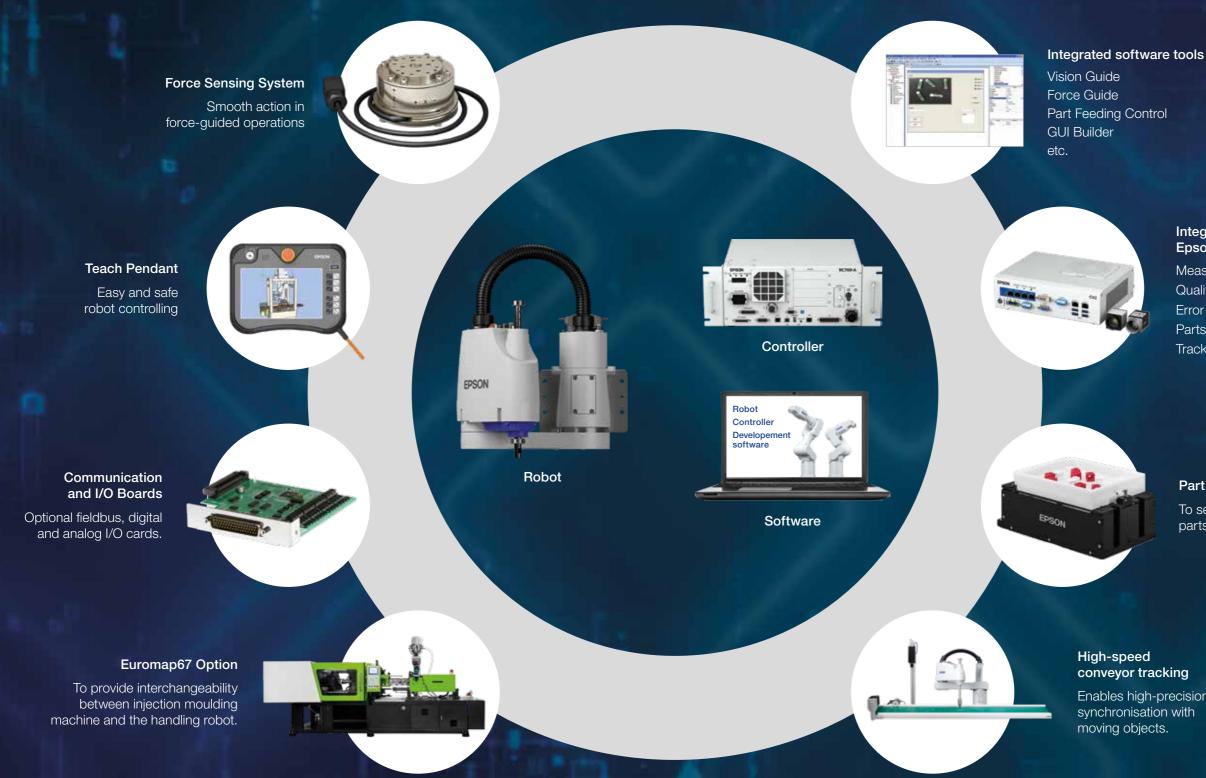
*Market share based on unit sales of industrial SCARA robots, 2011-2021. (Source: Fuji Keizai "2012-2022 Reality and Future Outlook of Worldwide Robot Market").

All-in-one SCARA robots are the perfect alternative to complex, more expensive

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Robot ecosystem

Following the principles of being simple, smart and scalable, our robot system supports all conventional fieldbus systems and offers a high integration level to every factory ecosystem to enable a high digitalized and efficient production.



PLAN







DeviceNet CC-Link

Integrated image processing with Epson Compact Vision System

Measurement Quality inspection Error detection Parts positioning Tracking on conveyors

Part Feeding System

To separate or singulate the parts for the robot to pick up.

conveyor tracking

Enables high-precision synchronisation with moving objects.

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

Epson Robots are used to manufacture various automotive parts including brakes, clutch components, ignition systems, instrument panels, headlights, mirrors, locks and more.

Electronics

Our robots are vital components in major electronic and semi-conductor facilities across the globe. Industry-specific applications include chip handing and placement, encoder assembly, board and laser diode testing and wire bonding, amongst others.

Consumer products

One of the broadest industries supported by Epson Robots. High speed and high precision functionality help provide the perfect fit for consumer product applications, including the manufacturing of mobile devices, furniture, shoes, jewelry and more.

Medical

Our robots are used widely in the production of medical instruments, where their flexibility and high-precision capabilities deliver outstanding results. Epson robots help manufacture contact lenses, glasses, dental instruments and implants, hearing aids, pacemakers, blood test systems and much more.

Success stories

The German manufacturing company ISD System GmbH, has recently mastered the process of producing Printed Circuit Boards (PCB). How? By using Epson's SCARA robots to create fully automatic handling machines that can take care of everything, from placement to assembly, palletising, inspection and polishing. Precise, fast, and equipped with a long reach, the robots can effortlessly adapt to a wide range of changing PCB formats.

The Epson SCARA LS20 is the linchpin of powerful and flexible handling. With its space-saving arm length of 1,000 mm and a payload of up to 20 kg, it can take on a variety of tasks even in confined work areas. It's precise and sensitive, too. Even wafer-thin PCBs of up to 25 µm are transported safely and gently with the high-tech handling system. Thanks to the modular design of the robotic cell and Epson's global service network, maintenance work can be carried out quickly and easily anywhere in the world. Another decisive factor for ISD was the easy installation and maintenance as well as a high power density at a very profitable investment.

Managing Director Torsten Schmid said, "Of course, price plays a role for us as a compact technology forge. With the Epson SCARA LS20, we have a powerful multi-tool with which we can fully concentrate on programming. This makes our design work much easier."

Applications

Epson Robots are extremely versatile and provide a wide range of automation possibilities such as assembly, pick & place, palletising, inspections and testing. With a powerful image processing system, tasks that require precise recording can be mastered with high clock rates. Even highly fragile components can be packed and palletised accurately and reliably providing solutions for a range of challenging production lines.

Assembly
Pick and place
Material handling
Packing
Kitting/Tray loading

Machine tending Screw driving Dispensing Palletizing Lab automation

Inspection and testing Finishing Grinding



"Epson SCARA robots make our design work much easier." Torsten Schmid, Managing Director ISD System GmbH

High quality customer support

At Epson, our reputation is built on the high quality of our products and services, and maintaining that quality is a worldwide priority. Our outstanding robot lifetime cycle helps you before, during and after your purchase. Benefit from pre-sale, technical sale, and application support, as well as our Robotic Academy and an after-sales service.

Want to learn more?

Book your free digital or personal tour of our unique hybrid ISC+ trade fair now and let our application specialists advise you on your solution.

From the SCARA entry-level model to agile 6-axis robots to special kinematics that take up extremely little space - our robots show what they can do.

Experience in real-world applications how Epson robots help increase yields and improve quality, including:

Sensitive force measurement Flexible parts feeding Pick & Place and Palletizing Spacesaving order picking

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or further information please contact your local Epson office or visit www.epson-europe.com Ngeria (+2213) 770 938 617 Austria 01 253 49 78 333 Belgium +32 (0)2 792 04 47 Czech 800/142 052 Denmark 44 50 85 85 East Africa (+254) 734 354 075 inland 0201 552 091 France 09 74 75 04 04 (Cost of local call, operator charges may apply) Germany +49 (0) 2159/92 79 500 Greece (0030) 211 198 62 12 Hungary 06800 147 83 Ireland 01 436 7742 Israel (+972)-3-5751833 Italy 02-660321 10 (0.12 Cmin) Luxembourg +352 27860692 Middle East +9714 2577638 Aorocco (+212) 661 31 11 18 Netherlands +31 (0)20 708 5099 Norway +47 67 11 37 00 Poland 0--9800 4911299 (0,16 z/min) Purtugal 707 222 111 Komania 0040 214025024 Russia (095) 777-03-55 Slovakia 0850 111 429 Southern Africa (+2711) 465-9621 Spain 93 582 15 00 Sweden 0771-400135 Mobilsamtal – 0,99 kr/min, Lokala samtal – 0,30 kr/min, Utlandssamtal – 0,49 kr/min) Switzerland 022 592 7923 Tunisia (+216) 9833 3571 Turkey (0212) 3360303 Jinited Kinadom 071 42 3776 (+10) De relwork extrast. West Africa (+234)8020727843

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