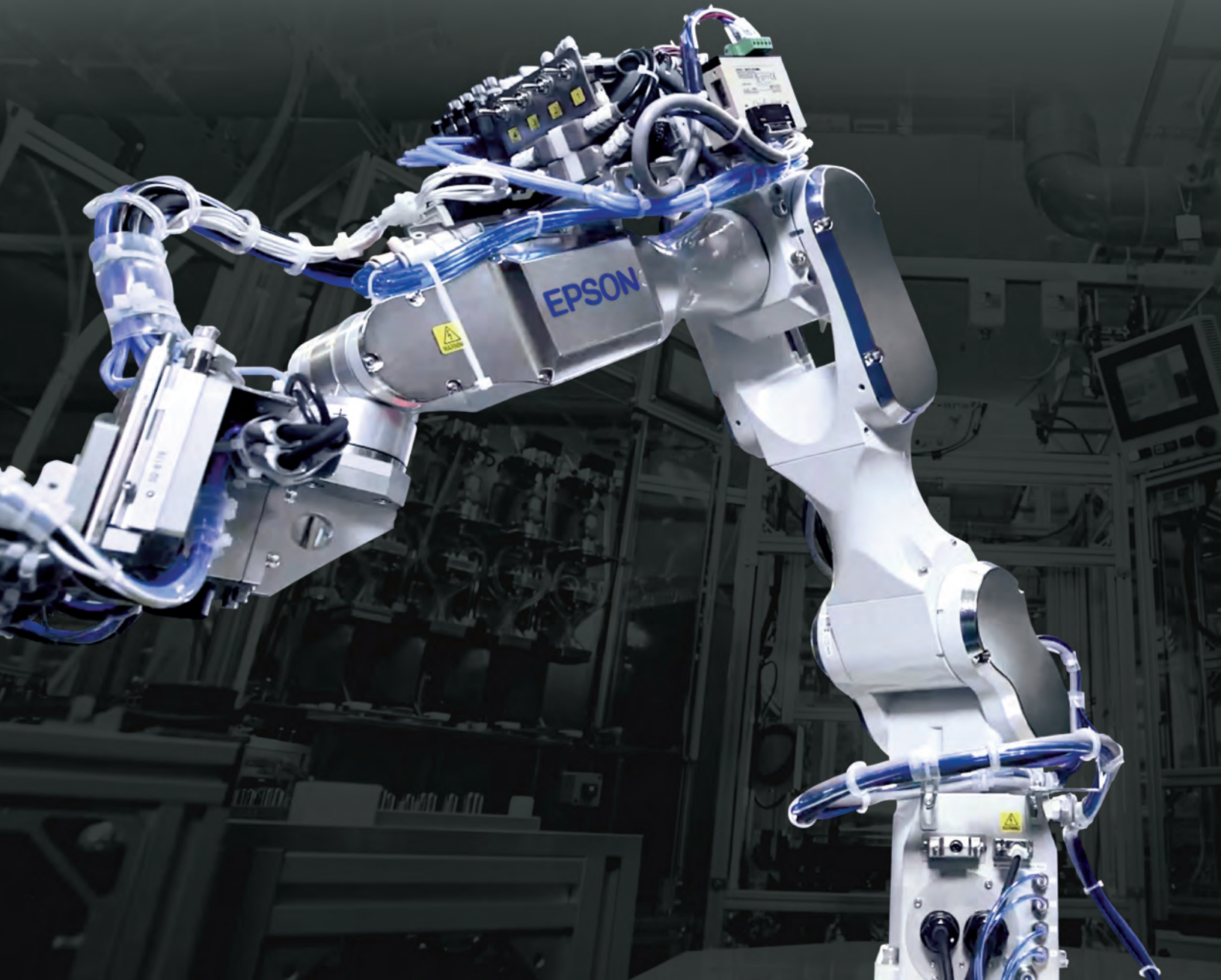


**EPSON<sup>®</sup>**  
EXCEED YOUR VISION

**EPSON<sup>®</sup> ROBOTS**

PRECISION AUTOMATION  
SPECIALISTS



# Discover the Epson Robots Advantage

As a vertically integrated consumer and industrial electronics company, Epson has a unique understanding of manufacturing. We design and develop our own internal automation solutions to build Epson products. Thanks to this expertise, we have broad first-hand knowledge of both the business reasons to automate manufacturing processes as well as the technological know-how required to build successful automation lines.

## **We face the same manufacturing and logistical challenges that you do.**

We have over 400 internal systems integration engineers who painstakingly work to find solutions to those challenges—and we can put that expertise to work for you. You can count on us to deliver automation insight and solutions that will help your organization reduce costs, expand production throughput and maximize quality.



## Why Choose Epson Robots?



### **We Deliver Proven Expertise**

When you choose Epson, you get an expert partner with nearly four decades of experience successfully building automation solutions. Few companies can offer you greater proven expertise in manufacturing automation than Epson. In fact, we're the #1 SCARA robot manufacturer in the world, with over 150,000 Epson robots deployed in factories worldwide, including our own factories.



### **We Can Help You Maximize Your Automation Investment**

When designing solutions, we focus on what you need today, but with an eye on tomorrow, so you can make the most of your capital investment. Our high-performance robots are flexible enough to easily adapt to fit new products or solutions and scalable enough to adjust to ever-changing market and volume demands. And where standardization is critical, we have the expertise to help you meet whatever requirements you need.



### **We Offer a Superior Business Experience**

We pride ourselves on being a great company to do business with. Our products are easy to deploy, use and maintain. Plus, you get quick access to a team of automation professionals with thousands of cumulative years of manufacturing experience who can work seamlessly with all levels of your organization to help you develop a solution that works for you and maximizes your results.



### **We Make Automation Fast and Easy**

Nearly all companies have unique automation challenges, from simple pick-and-place applications to the most complex multi-step manufacturing projects. You can count on us to help you overcome challenges and meet project objectives. When you partner with Epson, you'll be working with a dedicated team of experienced engineering experts who can help you assess, validate and provide solutions that minimize risk and optimize your potential for success.



# Precision Automation Specialists

## Epson Dominates, No Matter the Industry

Nearly every industry is accelerating their manufacturing processes toward automation to achieve more exacting production requirements. Whether in life sciences, automotive, electronics or virtually any other industry, Epson has the expertise to help you and your team succeed in meeting your project requirements.

## No Two Manufacturing Applications Are the Same

Robotic automation is an ever-growing, ever-changing field. We are continually inspired by the many innovative applications in this field, and our robots are up to the challenge. We have the solutions and the ecosystem of distributors and system integrators to meet your needs and we utilize our vast expertise to create automation solutions that make a lasting difference with both current and future customers.

## Put Our Applications Engineering Team to Work for You

Epson's applications engineers have years of real-world robot experience and a deep understanding of how to maximize system performance. Customers count on Epson's decades of consulting expertise to help optimize their cell design concepts, equipment layout, end-of-arm tooling ideas, cycle time optimization and project feasibility studies.

# Epson Expertise at Work

## The Challenge

A customer needed to find an efficient way to handle a multi-headed tool on a SCARA robot. To rotate offset tool center points, SCARA robots need to exaggerate the motions of Joints 1 and 2. This can cause excessive robot arm motion while also degrading cycle time. Additionally, multi-headed tools are prone to having inadequate vertical clearance, which increases the risk of crashing into nearby equipment.

## The Solution

The Epson Applications Engineering Team designed a clever solution through tool shuttling. First, they created an "active tool" that was horizontally shuttled to the center of the quill prior to rotation. This action not only removed the exaggerated motions of Joints 1 and 2, but also improved the application cycle time and reduced the amount of application coding required to pick up the part. Second, the tools were vertically shuttled, which created additional tool clearance to reduce the risk of tool crashing.

## The Results

- Significant reduction in application cycle time resulting in improved part throughput
- Reduced the risk of tool crashing into nearby equipment
- Reduced the code required to run the application

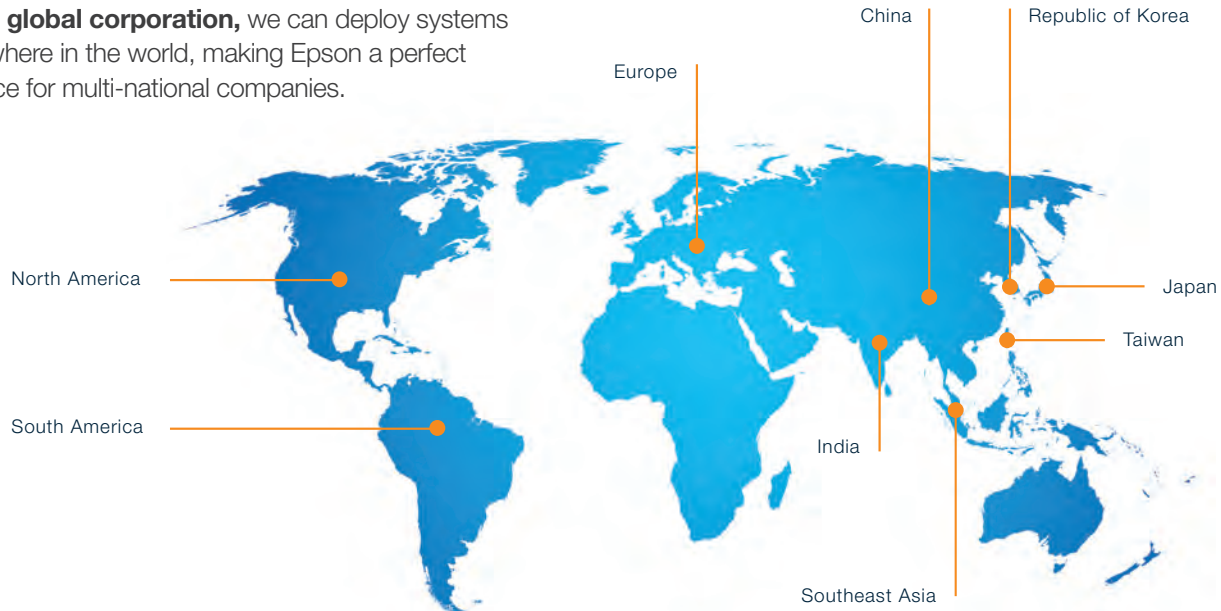


# Choose Epson Robots for Your Automation Project

With nearly 40 years helping industrial manufacturers automate, chances are good we've provided solutions for applications like yours. We're here to give you the guidance and support you need to achieve your manufacturing goals. Experience the Epson difference. Our customers' success is our success, and we value the trust our customers place in us. If you have an upcoming automation project, we encourage you to reach out to us and discover how we can help ensure your success.

Visit [www.epsonrobots.com](http://www.epsonrobots.com) or email [info@robots.epson.com](mailto:info@robots.epson.com) to learn more.

**As a global corporation**, we can deploy systems anywhere in the world, making Epson a perfect choice for multi-national companies.



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## 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

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