



## 4 Essentials for

# Boosting Factory

# Automation Productivity

**Across every major industry segment, advanced technologies offer manufacturers powerful new capabilities to enable flexible production, improved product quality and real-time insight into the performance of their operations.**

Manufacturers seek more automated and innovative solutions. They want to dramatically shorten the time and effort it takes to bring new production systems online or update existing lines with more versatile and efficient technology. What they value most are partners who can analyze those challenges and pull together the most productive and innovative solutions.

With the industry's broadest automation portfolio, Bosch Rexroth provides automation solutions that go beyond advanced components, to include innovative engineering and customized support. We give manufacturers and machine-builder OEMs solutions that target their unique challenges and enable them to get to market faster.

**rexroth**  
A Bosch Company

## Four essentials to boost productivity.

Our complete factory automation solutions provide four essential elements to boost factory automation productivity, versatility and manufacturing performance:



### EXPERTISE: INDUSTRY-SPECIFIC, APPLICATION-DRIVEN

Bosch Rexroth has helped create thousands of automated production systems in every major industry segment. These complex, cross-technology platforms often incorporate multiple controls, drives, material transport, linear motion and other systems. As both a technology provider and a company with our own automated manufacturing plants across the globe, we apply our unique expertise to identify the most complete and productive technology from our portfolio to create the right automation solution for your specific application.



### SPEED TO MARKET: DEVELOP AND DEPLOY NEW SYSTEMS FASTER

Manufacturers want to put automation technology to work as fast as possible. Our Smart MechatroniX family of “plug and produce” mechatronics makes it fast and simple to select, order and implement production tools like joining, welding and pressing systems, as well as smart and versatile material-handling systems. Engineered to the highest standards for reliable, long-lasting performance, our linear motion technology incorporates physical and electronic interfaces that make it easier to integrate our components into any machine design. Smart MechatroniX replaces complexity with streamlined technology to enable faster time to market.



### OPENNESS: TECHNOLOGY ENGINEERED FOR CUSTOMIZATION

Since no two manufacturing situations are ever the same, every automation solution must be engineered to fit very specific requirements. Bosch Rexroth's ctrlX AUTOMATION is an automation platform designed to be more open and flexible than any previous solution. Users can develop their own applications in any programming language, or import third-party apps, just like programming a smartphone. The ctrlX CORE controller supports multiple communications protocols like EtherCAT as well as emerging standards like OPC. This lets manufacturers add new machines to existing production lines with app-based software bridges to simplify integration.



### FULL LIFECYCLE SUPPORT: COMPLETE SOLUTIONS FOR THE LONG HAUL

Full lifecycle support is essential for any truly complete automation solution. To do so, we incorporate technology into our solutions to continually gather critical performance data – for the end user and to give us real-world insight into the lifecycle performance of our systems. Our expert service organizations and predictive maintenance systems give us powerful tools to stay ahead of performance issues. We bring all these resources together to ensure that our solutions deliver the uptime, efficiency and productivity manufacturers need for the long term.

## Focus on what moves automation forward.

At Bosch Rexroth, our complete automation solutions overcome manufacturing complexities with our unique technology and expert insight that advances the performance and value of automation for every customer, application and industry we serve.

**Start your complete automation solution today at**

**[www.boschrexroth-us.com/factory-automation](http://www.boschrexroth-us.com/factory-automation)**

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