

PRESS INFORMATION

Bosch Rexroth Exhibits Robust Assembly Automation Portfolio at The ASSEMBLY Show 2023

Mike Thompson | 10/17/2023 | USA | DC23012

From start to finish, Bosch Rexroth will demonstrate a streamlined assembly automation in booth #119 at The ASSEMBLY Show in Rosemont, Illinois.

It's time to streamline how automation works. At The ASSEMBLY Show 2023, Bosch Rexroth will join with leading suppliers and users of factory automation, robotics and assembly technology to showcase the company's industry-leading, complete and harmonized portfolio of assembly automation solutions in booth #119 on October 24-26 in Rosemont, Illinois.

In booth #119, experience our innovative products and allow our factory automation experts to assist you with customized solutions that will give you the advantage you need to get to market faster.

The booth will include interactive exhibits and working systems demos. Featured will be a Flexible Transport System (FTS) hybrid that delivers high accuracy with unprecedented speed, integrated with a Kassow collaborative robot. Other demos include:

- ACTIVE Mover high-speed smart conveyance
- Complete automated assembly solution
- ctrlX AUTOMATION

At the booth, attendees can expect guidance from Bosch Rexroth's factory automation specialists on devising effective strategies for complete factory automation solutions. Our experts can offer innovative approaches, ensuring that visitors can develop solutions that are both smarter and more productive.

Key booth demos and highlights include:

Smart Flex Effector: The Smart Flex Effector is a sensor-based compensation module with independent kinematics in six degrees of freedom - the first of its kind. The Smart Flex Effector provides a tactile sense of touch to the robot application, essentially emulating the abilities of a human hand. A digital twin of your robotic operation can also be created from the multitudes of real-time data available from the device, providing complete process transparency.

Used in complex handling applications, joining operations with micron-level tolerances, robotic teaching, performing in-process measuring, and providing movement flexibility that was until now unobtainable, the Smart Flex Effector solves a wide array of challenges that have troubled integrators for years.

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The Smart Flex Effector is a nominee in The ASSEMBLY Show's New Product of the Year Awards. After you see it in person at booth #119, go and vote for the Smart Flex Effector in the Robotics category in booth #2025 during the show.

Aluminum Structural Framing: Frame your factory with the original aluminum profile from Bosch Rexroth! Backed by decades of experience and unbeatable flexibility for the design of your assembly line, Bosch Rexroth has been continuously enhancing our wide range of aluminum profiles for more than 40 years.

NEXO Cordless Nutrunner: Experience a whole new world of joining technology and demo the latest addition to Bosch Rexroth's tightening system portfolio, the new NEXO nutrunner. This tightening system seamlessly integrates into conveying systems, aluminum framing workstations, and more and incorporates the complete control directly inside the device, while keeping its sleek, cordless design.

Smart Function Kit for Handling: Bosch Rexroth's Smart Function Kit for Handling is an innovative preassembled multi-axis robot made up of tailored, standardized modules and components, which can be put together quickly to form smart subsystems. Simply select and adapt the basic type online, configure and order it, and commission it with software guidance.

Rexroth's best-in-class components can be used to create smart mechatronics solutions for the Factory of the Future, with minimal use of resources.

ctrlX AUTOMATION: On display is a functional 3-axis ctrlX AUTOMATION demo, which shows a typical system configuration utilizing ctrlX DRIVE, ctrlX CORE, and ctrlX SAFETY, running in real-time. The demo will showcase some of the unique software features of the ctrlX AUTOMATION platform. The demo will also demonstrate how ctrlX AUTOMATION can be used to integrate multiple pieces of factory equipment from various manufacturers and centrally consolidate data for use by factory management.

For more information, visit www.boschrexroth-us.com/assemblyshow. The ASSEMBLY Show attendees are invited to visit booth #119 to learn more about how you can expand your productivity and give you the advantage you need to get to market faster.

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Bosch Rexroth will exhibit a variety of its assembly solutions, including high-speed smart conveyance, powered by ctrlX AUTOMATION, and our pallet-based transfer systems.

Basic Information Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries more than 32,000 associates generated sales revenue of around 7.0 billion euros in 2022.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 421,000 associates worldwide (as of December 31, 2022). The company generated sales of 88.2 billion euros in 2022. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 136 locations across the globe, Bosch employs some 85,500 associates in research and development, of which nearly 44,000 are software engineers.

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