

Press Release

Bosch Rexroth's Mechatronics@Work, Factory of the Future Showcase features single batch customization

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For Immediate Use



Experience the Mechatronics@Work, Factory of the Future Showcase firsthand at one of Rexroth's upcoming events.

Bosch Rexroth is going beyond simply spinning motors or waving sensors in the air to demonstrate the Internet of Things (IoT) and Factory of the Future capabilities. The Mechatronics@Work, Factory of the Future Showcase not only demonstrates the ability to customize a batch size of one, viewers will also see cloud-based visualization and analytics of machine data. The Mechatronics@Work showcases how to achieve maximum flexibility, connectivity and scalability in the Factory of the Future.

The Mechatronics@Work, Factory of the Future Showcase allows visitors to order a customized golf ball sleeve using a tablet to select the desired stack of three colored golf balls. Once the order is entered, the job is processed and tracked throughout the production flow and the status is displayed live on the i4.0 Cube display, an IoT showcase.

Featured components in the Mechatronics@Work, Factory of the Future showcase include:

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- **IndraDrive Mi** decreases the footprint of machines thanks to reduced components generating savings with up to 90 percent less wiring, and reduced cabinet size and energy consumption.
- Rexroth's intelligent **IndraControl XM** is easy to commission and features high-performance real-time data processing capabilities.
- Rexroth's **OpenCore Engineering** builds a crucial bridge to the world of IT, enabling new levels of engineering flexibility. Rexroth's **OpenCore interface** allows integration into a wide range of systems without the need to add separate PCs or hardware.
- Data collection is done with **Bosch's XDK**, a programmable sensor device and a prototyping platform for any IoT use case.
- The **i4.0 Cube** will display a variety of industrial sensors including Rexroth's **SCD** (Sense.Connect.Detect), a new, low-cost generation of sensors that are particularly easy to integrate.
- Rexroth's **IoT Gateway Rack** connects all areas of production from sensors to machine data in just a few steps and allows full shop floor transparency and monitoring of the overall production system.
- **SafeLogic Compact** provides safety systems with scalable functions and performance for all automation tasks.

Visitors can see data from the Mechatronics@Work, Factory of the Future Showcase being collected and displayed through various means. The data will be sent to two cloud services, Bosch IoT Cloud and Microsoft Azure, and Rexroth's Overall Equipment Effectiveness (OEE) analytics application, Improvidus. Rexroth's IndraControl XM22 will make the calculations and send it to the cloud for display on the i4.0 Cube.

The Mechatronics@Work, Factory of the Future Showcase provides a better understanding of data visualization and its accessibility from anywhere in the plant, as well as a customized, single batch sleeve of golf balls.

For more information about the featured products, go to www.boschrexroth-us.com.

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About 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 Applications, Machinery Applications and Engineering, and Factory Automation. With its intelligent components, customized system solutions 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 32,300 associates generated sales revenue of roughly 6.2 billion euros (\$7.3 billion) in 2018.

To learn more, please visit www.boschrexroth-us.com.

About Bosch:

The Bosch Group is a leading global supplier of technology and services. It employs roughly 410,000 associates worldwide (as of December 31, 2018). According to preliminary figures, the company generated sales from operations of 77.9 billion euros (\$92 billion) in 2018. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. 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 deliver innovations for a connected life. 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 440 subsidiary and regional companies in 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 125 locations across the globe, Bosch employs some 69,500 associates in research and development.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, [www.twitter.com/BoschPresse](https://twitter.com/BoschPresse).

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