

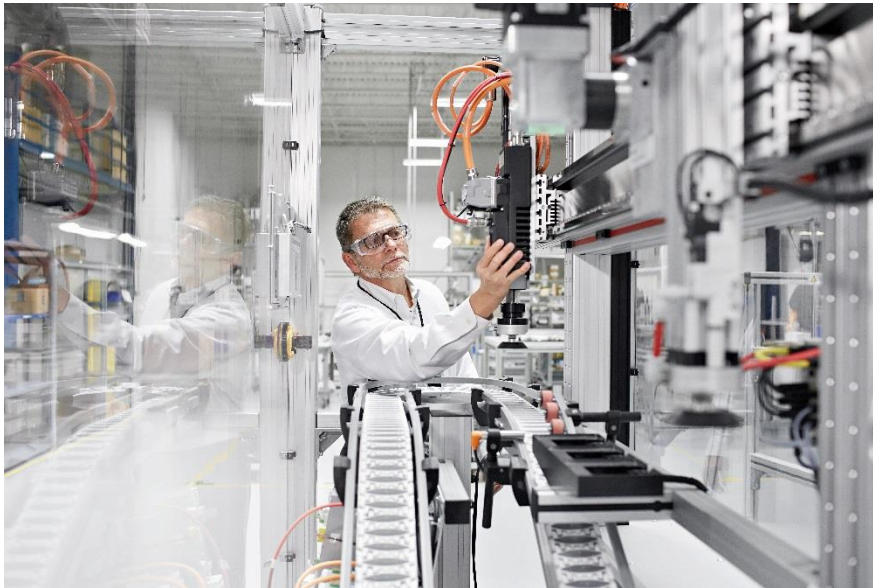
Press Release

rexroth
A Bosch Company

Bosch Rexroth's Mechatronics @ Work, Factory of the Future Showcase features single batch customization
See the Factory of the Future at work in booth #4400 at ATX West 2019, February 5-7

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Experience the Mechatronics @ Work, Factory of the Future Showcase firsthand in booth #4400 at ATX West 2019

At ATX West 2019, 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. Rexroth will showcase how to achieve maximum flexibility, connectivity and scalability in the Factory of the Future. 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 in a separate area of the booth.

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, on the other side of the booth.

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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

Live from Booth #4400, visitors will see data from the Mechatronics @ Work, Factory of the Future Showcase being collected and displayed throughout the booth. 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 dashboard in another part of the booth.

Visitors will leave **Booth #4400** with a better understanding of data visualization and its accessibility from anywhere in the plant as well as with a customized, single batch sleeve of golf balls.

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

About Bosch Rexroth

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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 drives and controls, 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 30,500 associates generated sales revenue of approximately 5.5 billion euros (\$6.2 billion) in 2017.

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

About Bosch

Having established a regional presence in 1906 in North America, the Bosch Group employs nearly 34,500 associates in more than 100 locations, as of December 31, 2017. In 2017 Bosch generated consolidated sales of \$13.7 billion in the U.S., Canada and Mexico. For more information, visit twitter.com/boschusa, twitter.com/boschmexico and www.bosch.ca.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,000 associates worldwide (as of December 31, 2017). The company generated sales of 78.1 billion euros (\$88.2 billion) in 2017. 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 64,500 associates in research and development.

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*Additional information is available online at www.bosch.com, www.iot.bosch.com,
www.bosch-press.com, www.twitter.com/BoschPresse.*

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