

PRESS RELEASE

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For Immediate Use

Flexible Transport System FTS provides high precision and speed anywhere you need it

The FTS enables transport and positioning for demanding applications like battery manufacturing



The FTS is a linear motor hybrid conveyor that interacts directly with traditional Rexroth twin-strand conveyors

The Flexible Transport System (FTS) is a unique high-speed conveyance solution for transporting and positioning materials and workpieces. Where traditional rollers, chains or belt systems reach their limits, the FTS delivers higher accuracy, allows for freely programmable individual and synchronized movements at faster speeds than traditional systems.

Compatible with a large selection of Bosch Rexroth's TS 2 products, the FTS provides companies with high precision and speed – only where you need it. The FTS not only offers extreme positioning accuracy but also high repeatability and bi-directional movement capabilities. This is accomplished by the sensors between the single motors as well as the motion control system.

The FTS offers the maximum degree of freedom and options. The software provides for the free programmability of all carrier movements – with I/O synchronization where required. A quick conversion to other products is

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therefore very easy. The mechanical system adapts to every machine. Key features of the FTS include:

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- Independent movement of up to 32 carriers per track
- Speeds from 0.02 m/s to 5 m/s
- Loads from 1 kg up to over 1000 kg
- Continuous force range from 60 N to 3000 N
- Magnet places can withstand temperatures up to 158°F

The FTS will be on display at booth #1753 during the North American Battery Show in Novi, Michigan, September 13-15 2022. The demo will feature a complete factory automation solution with products from across Bosch Rexroth's automation portfolio, including:

- TS2 conveyors
- ML3 synchronous linear motors with an iron core
- IntraControl YM
- ctrlX Core

To learn more about the FTS, visit www.boschrexroth-us.com/fts or stop by booth #1753 at the Battery Show in Novi, Michigan.

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.

To learn more, please visit www.boschrexroth.com

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

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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.

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

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