

Transport and positioning perfected: Flexible Transport System FTS from Rexroth

With its linear motor-driven transfer system, Bosch Rexroth serves a wide variety of work specifications

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Whether in a vacuum, a clean room or in dusty and dirty environments, the linear motor-driven transfer system FTS always works with high precision.

For the highly dynamic transport and exact positioning of materials and workpieces, linear motor-driven transfer systems are an ideal choice. Bosch Rexroth is enriching this market segment with innovative solutions that can meet the specific requirements of series and special machine manufacturers alike. With its modular concept, Rexroth's flexible transport system (FTS) can be scaled to the application and provides a high degree of freedom in the design by removing the moving cables.

As a modular system based on components, the FTS can be easily integrated into systems and machines. This offers the user full flexibility, both in the size and scale in selection of motors and drives, as well as, the programming of individual and synchronized motion. With its contactless drive, the intelligent system can adapt to a number of different production conditions. Additionally, by using a moving magnet design we give you the design freedom to move away from moving cables too.

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Press Release

Refined from its original development in 2005 for particle-free transport in the solar deposition process, the proven FTS is compatible with today's in-line manufacturing systems. Through its magnetic principle of operation, the FTS is one way we can meet extreme requirements in a high vacuum, since all the electronics are located outside the vacuum. The FTS can also operate with high precision in dusty and dirty environments. This makes it attractive for many applications, ranging from semiconductor and display manufacturing to battery production, where the FTS demonstrates its special handling characteristics and easily copes with a wide range of moving loads from a few grams up to 1,000 kg per carrier. Combined with highly repeatable accuracy and speeds up to 5 m/s with a velocity ripple of maximum 2% at 20 mm/s, the FTS is optimally equipped for a variety of industries.

Another unique feature of the FTS is its motion control functionality and suitability for low-speed use, such as coating processes. Whether it's used in a clean room, vacuum, with noble gases, high temperatures or in chemical areas, the Rexroth FTS addresses a variety of transport and handling task.

For more information: <https://www.boschrexroth.com/en/us/industries/factory-automation/semiconductor-and-electronics/applications/linear-motion-system/linear-motion-system>

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

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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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