

PRESS INFORMATION

The right linear system for every application

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At FACHPACK 2025, Bosch Rexroth will be showcasing its scalable Linear Motion Technology portfolio for the packaging industry

- Scalable: wide-ranging standard portfolio for differing requirements
- Needs-based: for various installation situations and ambient conditions
- Economical: minimum total cost, from engineering to maintenance



From a single source: at FACHPACK 2025, Bosch Rexroth will be showcasing its wide-ranging Linear Motion Technology portfolio for various requirements in the packaging industry, including linear motion slides for simple axis adjustments. (Image source: Bosch Rexroth AG)

At FACHPACK 2025, Bosch Rexroth will be showing how a wide range of linear applications in the packaging industry can be achieved with the required level of performance, efficiency and cost-effectiveness from a single source: from small to large, from light to heavy loads, from simple to complex. The focus is on low-maintenance linear motion slides, the versatile BSCL (Ball Rail System Compact (C) Line) all-round linear guide, as well as electromechanical linear axes and actuators as energy-efficient pneumatic alternatives. All the Rexroth solutions boast a long service life, minimum maintenance costs and time-saving digital engineering via eTools.

Mechanical and plant engineering for the packaging industry relies on the use of low-maintenance Linear Motion Technology components and subsystems that perform their job reliably, precisely and efficiently in their respective environment. If the components can be purchased from a single source and easily selected, configured and integrated digitally, this results in significant cost advantages and time savings for engineering.

Bosch Rexroth meets these requirements with a Linear Motion Technology portfolio that is scalable in size and design for all the process steps in the value stream – from the primary and secondary packaging to the end-of-line process – including storage and intralogistics. The range of sizes includes miniature ball rail systems for linear motions in the smallest installation spaces as well as heavy-duty axes for palletizing. Thanks to the wide range of formats, users always get the optimum solution. This could be, for example, a linear bushing, a compact linear axis module or the price-performance-optimized BSCL linear guide for medium requirements, which is available from stock worldwide.

For different environmental conditions, the Linear Motion Technology range includes corrosion-resistant versions in NRII (stainless-steel) or NRFG (NRII food grade), as well as variants with hard chrome plated surfaces, specialist plastics or lubricants such as H1 lubrication for the foods sector. High resistance to contamination – such as from cardboard dust – is offered by sealing options or standard bellows with linear motion slides.

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Linear Motion Technology from Bosch Rexroth allows long operating times and lubrication intervals up to lifelong lubrication, and thus contributes to a reduction in the overall costs. The peak lubrication values for ball rail systems BSHP are a travel life of up to 20,000 km and/or 2 million revolutions for BASA ball screw drives. Optional drive and automation packages for single and multi-axis systems reduce the workload for the structural design and commissioning to a minimum.

Bosch Rexroth also offers energy-efficient alternatives to pneumatic actuators, in particular the SMS linear axes and the EMC electromechanical cylinders. The latter are also available as ready-to-use subsystems, including the operating software.

To save on engineering time, Bosch Rexroth has digitally mapped the entire selection and procurement process. The Linear Motion Technology Selector, for example, guides users to the right solution after just a few entries – including accessories, CAD data and lubricant recommendations. The relevant product recommendations are based on several years of application experience and high configuration-related expertise. The Rexroth application team also supports special configurations on request.

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, around 32,600 associates generated sales revenue of 6.5 billion euros in 2024.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 418,000 associates worldwide (as of December 31, 2024). The company generated sales of 90.3 billion euros in 2024. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture user-friendly, sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 490 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. Bosch's innovative strength is key to the company's further development. At 136 locations across the globe, Bosch employs some 87,000 associates in research and development.

PETRONAS Lubricants International (PLI)

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