

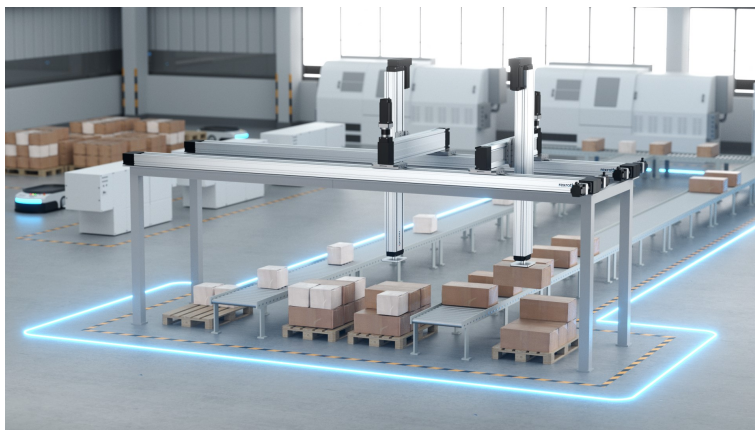
PRESS INFORMATION

Higher goods throughput in warehouse logistics

Manuela Kessler | 27.02.2026 | Lohr am Main / Germany | PI 005/26

Bosch Rexroth presents scalable Linear Motion Technology solutions for dynamic and energy-efficient intralogistics processes at LogiMAT

- Cartesian multi-axis systems for flexible palletizing and sorting
- Linear axes, linear guides, and screw drives for order picking and storage systems
- Modern lifting units for autonomous transport logistics



From picking, sorting, and palletizing to autonomous transport: Bosch Rexroth will be presenting its broad standard portfolio for faster, more flexible, and more energy-efficient intralogistics at LogiMAT 2026. (Image source: Bosch Rexroth AG)

Intralogistics and warehouse processes are under pressure: Black Friday sales and other logistical challenges of online trade demand faster collection, picking, and shipping of individual orders. At LogiMAT 2026, Bosch Rexroth will be showing how the warehouse processes can be mapped even more flexibly, dynamically, and energy-efficiently with the help of scalable Linear Motion Technology and drive technology. In this way, the broad Rexroth standard portfolio supports operators in meeting current requirements such as each-picking and same-day deliveries, which are crucial especially during peak periods.

Individualized orders and smaller batch sizes are shifting the focus from warehouse and pure pallet logistics to order-specific collection of goods. At the same time, response time, throughput, and availability requirements are increasing. Dynamic and durable Linear Motion Technology solutions therefore play a key role in automation – whether in small warehouses, for large-volume flows of goods, or for mobile linking that flexibly adapts material flows to changing batch sizes.

Bosch Rexroth addresses evolving market demands with a scalable, standardized portfolio designed for a broad range of applications, load capacities, and performance needs—spanning from cost efficient linear axes for small parts handling to heavy duty, high precision solutions. The comprehensive range from a single source reduces the interfaces and simplifies engineering, procurement, and operation. In addition, electrification improves energy efficiency, controllability, and maintenance work, especially compared to pneumatic solutions.

Dynamic Linear Motion Technology for picking & storage

For greater material flow efficiency in dynamic picking and storage systems, including shuttle systems in small parts warehouses (mini-load systems) as well as in storage systems (vertical and high-bay warehouses), the Rexroth portfolio includes dynamic and precise ball screw assemblies and linear axes with suitable drive concepts such as stepping motors or toothed belts. The robust and durable Rexroth Linear Motion Technology is designed for continuous 24/7 operation and allows robot-assisted picking concepts, among other things.

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Higher throughput for palletizing and sorting

In the areas of palletizing and sorting, the linear robots in the form of cartesian multi-axis systems from Bosch Rexroth have proven themselves as an alternative to conventional articulated robots. The multi-axis systems are generally much more cost-effective, space-saving, and easier to integrate into the existing conveyor technology. Their high dynamics and speedy commissioning support high-performance end-of-line processes and increase throughput.

Flexible solutions for autonomous transport logistics

The flexibility, quality, and efficiency of pallet transport by automated guided vehicles (AGV) or autonomous mobile robots (AMR) can be optimized through advanced lifting units. Proven Linear Motion Technology solutions such as electromechanical cylinders, profiled rail systems, and ball screw assemblies allow gentle lifting and exact positioning of loads as well as long relubrication intervals for low-maintenance operation. Automatic lateral fork adjustments with proven Linear Motion Technology also allows for a wide variety of pallet types to be handled flexibly. Bosch Rexroth at the LogiMAT: Hall 8, booth B41

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 417,900 associates worldwide (as of December 31, 2024). According to preliminary figures, the company generated sales of 90.5 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 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. Bosch's innovative strength is key to the company's further development. At 136 locations across the globe, Bosch employs some 86,900 associates in research and development, of which nearly 48,000 are software engineers.

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