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Bosch Rexroth's MP1000R takes home an NED Innovation award for the Material Handling & Packaging category

Eden Estabrook | 12/15/2022 | USA | AT22006

The NED Innovation award celebrates innovative products that empower manufacturers to work faster, better, and more cost-effectively.

Bosch Rexroth's MP1000R, made in collaboration with Geek+, won the Material Handling & Packaging category of the New Equipment Digest (NED) Innovation awards. NED readers voted for finalists based on provided product materials to determine the most innovative of the category.

One of latest addition to Bosch Rexroth's comprehensive portfolio of factory automation technologies, the MP1000R automates material handling applications without requiring external infrastructure. Small but mighty, the MP1000R has a 1000kg payload capacity and uses Bosch Rexroth's ROKIT Locator software to seamlessly navigate in highly-dynamic environments.

Safety benefits is one of the large draws for implementing AMRs into workflows. Alternative transport options, like forklifts, have a high accident rate and bring up a safety concern. Statistics show that 90% of all forklifts in the US will be in an accident during its lifecycle and approx. 35,000 people per year suffer severe injuries from forklift-related accidents. Additionally, manufacturing environments often require repetitive tasks that can put strain on workers' bodies and cause long-term damage. AMR innovations, like the MP1000R, play a critical role in helping manufacturers replace more accident-prone machines like forklifts and eliminate repetitive tasks that can cause worker injury.

Key features of the MP1000R include:

Flexibility

- 1.5 m/s movement speed
- Integrated lift and turntable with zero-turn radius
- Moves loads with racks & shelves or directly on the bot to dock at fixed location or pallet conveyor
- Hybrid navigation using LiDAR SLAM and QR codes
- Integrates with PLC and ERP

Reliability

- Continuous map updates with Bosch Rexroth's ROKIT Locator software
- Backed by Rexroth field service and technical support
- Proven performance in Bosch's own manufacturing plants
- Smart opportunity charging to keep your fleet running

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Safety

- Dual mode obstacle avoidance system with 360-degree coverage
- CE, ETL certified & compliance with ISO 3691-4:2020

Learn more about the MP1000R: www.boschrexroth-us.com/mp1000rmp1000r



The MP1000R replaces manual forklifts and tuggers, which leads to reduced costs and improved safety.

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 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 31,000 associates generated sales revenue of around 6.2 billion euros in 2019.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 395,000 associates worldwide (as of December 31, 2020). The company generated sales of 71.5 billion euros in 2020. Its operations are divided into four business sectors: Mobility Solutions, 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 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 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group

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has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 129 locations across the globe, Bosch employs some 73,000 associates in research and development, of which nearly 34,000 are software engineers.

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