

Level Up Your Intralogistics with Autonomous Mobile Robots from Bosch Rexroth



Why Choose Bosch Rexroth as a Partner?



MP1000R AUTONOMOUS MOBILE ROBOT

Rexroth's MP1000R is a new 1000kg payload capacity "under-rider" style autonomous mobile robot (AMR), made in collaboration with Geek+, that can automate material handling of pallets or racks without external infrastructure required for navigation.

Key Benefits for You

- 1000 kg payload and 1.5 m/s movement speed
- Integrated lift and turntable with zero turn radius
- Hybrid navigation using LiDAR SLAM, reflectors and/or QR codes
- Location accuracy: +/-10mm
- Compact dimensions: 1090 x 830 x 275mm
- Integration with PLC and upstream systems (ERP, WMS, MES, etc.) via API
- Continuous map updates with Rexroth ROKIT Locator software
- Dual mode obstacle avoidance system with 360-degree coverage
- CE, ETL certified & compliance with ISO 3691-4:2020 and VDA 5050 compliant in 2023

M200C AUTONOMOUS MOBILE ROBOT

Rexroth's M200C is a new 200kg payload capacity "under-rider" style autonomous mobile robot (AMR), made in collaboration with Geek+, that are compact and flexible enough to operate in dense environments.

Key Benefits for You

- 200 kg payload and 1.5 m/s movement speed
- Hybrid navigation using LiDAR SLAM, reflectors, and visual
- Position accuracy: +/-10mm
- Compact dimensions: 760 x 520 x 313mm
- Front and rear lasers and 85° forward visual obstacle avoidance
- 5 cm low obstacle detection
- Continuous map updates with Rexroth ROKIT Locator software
- Compliant with VDA 5050 Standards

Autonomous mobile robots (AMRs) help manufacturers and end users alike to tackle relevant industry challenges such as employee safety, labor shortages, and high product demands. Bosch Rexroth has a growing portfolio of AMRs that cover a wide range of applications and industries.

Backed by Bosch Rexroth field service and technical support, our AMR portfolio often yield a return on Investment (ROI) within two years of implementation. Our current portfolio has proven performance within Bosch plants, including Toluca, MX; Fountain Inn, SC; St. Joseph, MI; and more.

ACTIVE SHUTTLE

The ACTIVE Shuttle autonomous transport system is already making the transition to the factory of the future possible today: It is quick to implement without any need to adapt your existing factory infrastructure, intuitive and easy to operate, fully connected and safe for use around people! Create transparent and efficient internal processes using ACTIVE Shuttle.

Key Benefits for You

- Designed to move standard 600x400mm dollies from vendors such as K-Hartwall
- 260kg payload capacity
- Plug & Go – quick and easy to implement without adapting the existing factory infrastructure
- Automated materials transport with fully automated loading and unloading
- Easy, intuitive operation of the entire system
- Navigate safely around obstacles
- Easily create and configure logistics scenarios using AMS fleet management software
- Comprehensive safety concept, designed for continuous 24/7 mixed operation with people and machines
- Standard interface for connecting to third-party systems
- Continuous map updates with Rexroth ROKIT Locator software
- Compliant with VDA 5050 Standards



Bosch Rexroth Corporation

Corporate Headquarters
14001 South Lakes Drive
Charlotte, NC 28273
Telephone (800) REXROTH
(800) 739-7684
info@boschrexroth-us.com
www.boschrexroth-us.com

Find your local contact person here:

www.boschrexroth-us.com/contactus

