

MP1000R Autonomous Mobile Robot

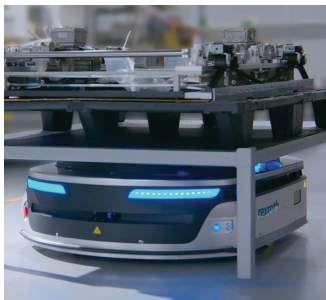
Bosch Rexroth's MP1000R autonomous mobile robot (AMR) is a reliable and flexible alternative to manual forklifts, improving efficiency and reducing accidents and injury risks. With a payload capacity of 1000 kg, the MP1000R automates material handling applications without external infrastructure as it automatically navigates highly dynamic environments.

Features



Reliability

- Autonomously & accurately moves through factories & warehouses
- 39 Ah lithium battery runs for eight hours
- AMR autonomously charges itself when available



Flexibility

- Interface with specific equipment with a square or roller-top conveyor
- Pick up or deliver components & finished goods between the warehouse & production line
- WIP movement in a production area



Safety

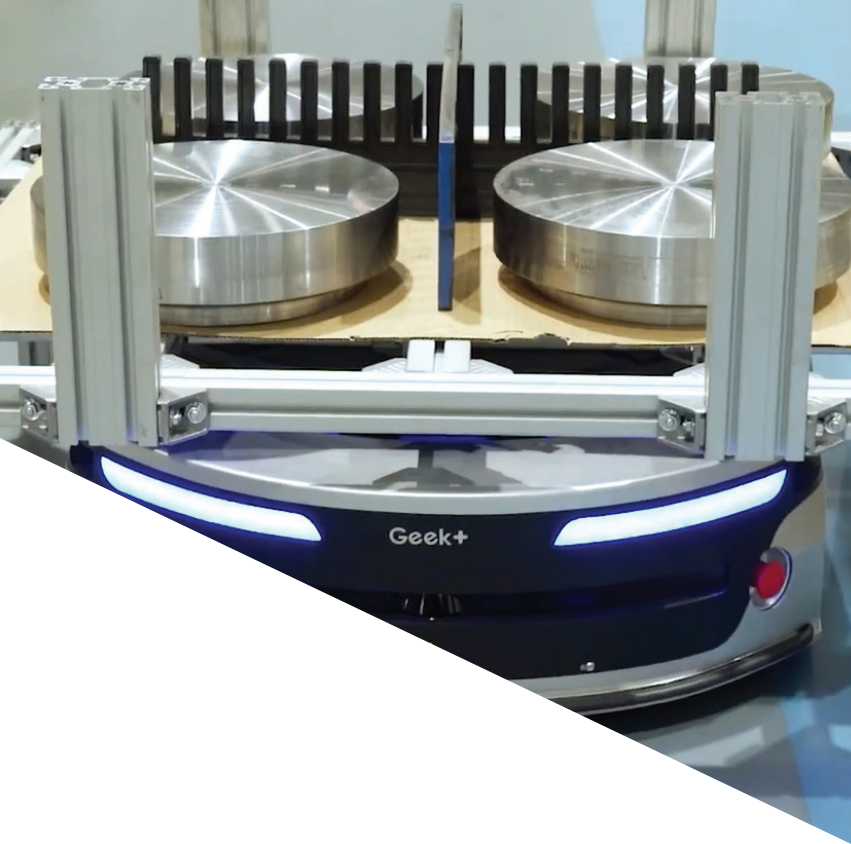
- Can reduce worker risk by autonomously transporting goods in place of a forklift
- 360° obstacle detection & emergency stopping distance at 1.3 m
- Front & rear emergency stopping buttons & anti-collision bumpers



Stats

- Deployed quickly, with a 2 to 4-week cycle for multiple robots
- Travel speeds with a full load of up to 1.5 m/s
- 1090 x 830 x 275 mm

Learn More About Our Complete AMR Solutions.
Visit morrell-group.com/autonomous-mobile-robot-bosch-rexroth,
call 248-373-1600, or email info@morrellinc.com



Mapping & Navigation

- Automatically maps locations as it moves, uploading location data to a master map
- Master map updates in real-time, marking pathways & locations of people & objects
- No infrastructure adaptations or expert knowledge needed
- SLAM, LiDAR/Sensor, & QR Code

Applications

- Dense storage
- Flexible manufacturing
- Production line docking & feeding
- Warehouse moving
- WIP management
- Supermarket
- Point of use
- Materials feeding



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