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MyMR

AMR Family

Optimize Material Handling and Intralogistics

Comau's MyMR Autonomous Mobile Robots (AMRs) offer a comprehensive solution for manufacturers and logistics providers seeking to optimize material handling with scalable, flexible automation.

Designed to operate without fixed infrastructure such as magnetic tapes or floor markings, MyMR ensures seamless adaptability to changing layouts and dynamic workflows. The portfolio includes three AMR models, MyMR-300, MyMR-500, and MyMR-1500, each tailored to different payload requirements, covering a wide range of use cases from production line supply and kitting to warehouse automation.

Equipped with advanced navigation, real-time obstacle avoidance, and intelligent fleet management, MyMR can safely and efficiently move across the facility, even in high-traffic or shared spaces. The robots also offer native integration capabilities for line and system coordination, enhancing productivity and reducing downtime.

To extend their functionality, Comau provides a range of standard attachments including lifters and conveyors. Additionally, thanks to their software-driven architecture, MyMR units can be easily reconfigured from AMR to Automated Guided Vehicle (AGV) mode, allowing companies to adapt their operations over time.

With quick deployment, low integration complexity, and reduced operational overhead, MyMR ensures a fast return on investment, making it a strategic and future-ready choice for warehouse and intralogistics automation.

Intralogistics:
material transport across production and warehouse areas

Warehouse Automation:
goods receiving, storage, and outbound logistics

Production Line Supply:
automated delivery to assembly and testing stations

Kitting and Sequencing:
efficient handling of part kits to support production flow

Our Offering

MyMR-300	
External Dimensions	815 x 580 x 297 mm (L x W x H)
Max Payload	300 Kg
Weight	130 Kg
Drive Configuration	Differential
Max Speed	2 m/s
Turning Radius	Turn in place ability 475 mm sweep area radius
Position Accuracy	+/- 1 cm, +/- 1 deg
Operating Environment	Indoor
Battery	Li-Ion
Charge Time	2 hrs from 0% to 80%
Nominal Run Time	10 hrs
Navigation System	Natural Navigation

MyMR-500	
External Dimensions	1650 x 950 x 297 mm (L x W x H)
Max Payload	500 Kg
Weight	190 Kg
Drive Configuration	Differential
Max Speed	1.5 m/s
Turning Radius	Turn in place ability 860 mm sweep area radius
Position Accuracy	+/- 1 cm, +/- 1 deg
Operating Environment	Indoor
Battery	Li-Ion
Charge Time	2 hrs from 0% to 80%
Nominal Run Time	8 hrs
Navigation System	Natural Navigation

MyMR-1500	
External Dimensions	1415 x 1078 x 302 mm (L x W x H)
Max Payload	1500 Kg
Weight	265 Kg
Drive Configuration	Differential
Max Speed	1.5 m/s
Turning Radius	Turn in place ability 837 mm sweep area radius
Position Accuracy	+/- 1 cm, +/- 1 deg
Operating Environment	Indoor
Battery	Li-Ion
Charge Time	2 hrs from 0% to 80%
Nominal Run Time	14 hrs
Navigation System	Natural Navigation

MyMR Fleet Manager

The Fleet Management System enables seamless control and supervision of your AMR fleet from any smart device.

Acting as the central nervous system of your operations, it manages and optimizes day-to-day activities in real time — ensuring coordinated, efficient, and responsive performance across the entire fleet.

MAPPING THE SPACE

DEFINING AND CONTROLLING THE MOVEMENTS

MONITORING THE PERFORMANCE

MyMR Attachments

AMR Standard attachments such as a lifter or conveyor enable every possibile use case for warehouse automation and interlogistics.

MyMR - AMR Family

Benefits of Smart Transportation with MyMR

Fleet Mangement System

MyMRs navigate freely throughout the facility, enabling workflow optimization through dynamic task allocation. Robot selection is based on key parameters such as current jobs, distance to destination, battery level, and workload distribution, helping to prevent bottlenecks and increase overall throughput. All AMRs are centrally managed and monitored via the MyMR Fleet Manager, a web-based interface accessible from smartphones, tablets, or computers connected to the internal Wi-Fi network. Real-time tracking and performance metrics support data-driven decision-making, offering clear opportunities for productivity gains and lean manufacturing improvements.

No Infrastructure Needed

Unlike traditional mobile robots, MyMRs do not require fixed infrastructure such as magnetic tape, lines, or reflectors. Using onboard sensors, it creates a map of the facility and navigates freely. Wherever people can go, MyMR can go. It's that simple. As a result, common causes of stoppages, such as damaged tape or blocked reflectors, are eliminated. This not only reduces initial deployment costs but also eliminates ongoing maintenance expenses related to guiding infrastructure, ensuring more reliable, flexible and cost-effective operations.

Safety

Equipped with integrated laser scanners and additional sensors such as cameras, MyMR offers advanced environmental awareness. It can detect people and moving objects—such as forklifts and pallet trucks—and dynamically adjusts its speed and path to ensure safe and efficient navigation.

Fast ROI

MyMRs offer a strong return on investment (ROI) by significantly reducing labor costs, lowering the need for fixed infrastructure, and minimizing downtime through intelligent navigation and task automation. With an entire family of AMRs available, each designed to handle different payloads and use cases, businesses can scale their automation strategy with maximum flexibility. The ability of MyMR to optimize workflows, adapt to evolving production needs, and operate continuously leads to increased throughput and long-term cost savings, making them a smart investment for modern intralogistics.

Fast Deployment

MyMR can be fully operational within a few hours by simply mapping the facility. This is done by manually guiding the robot through the environment, setting destination points as stations, and defining workflows.
No advanced training is required, making deployment fast, simple, and user-friendly.

Flexible Navigation

MyMRs provide flexible routing, navigating freely without fixed paths by sensing their environment and communicating with other devices.
Their software-based control also allows easy switching between Autonomous Mobile Robots (AMR) and Automated Guided Vehicle (AGV) modes, quickly adapting to changing operational needs.

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