

The Future in Motion.

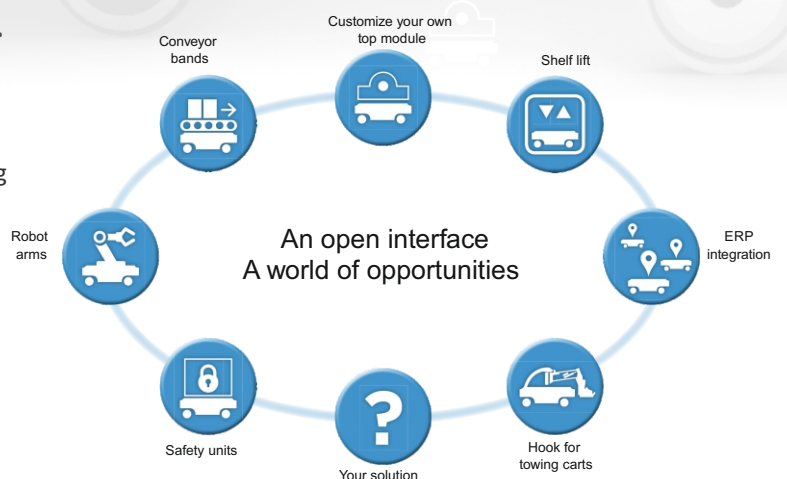


- Quick Installation
- No Guide Tape
- No Change in Layout
- Replace Fixed Conveyors
- Automate Material Handling
- Automate Internal Logistics
- Enhance Production Flow
- Increase Productivity

The future of logistics automation is here.

Mobile Industrial Robots (MiR) is a leading manufacturer of collaborative mobile robots dedicated to develop user-friendly, flexible and safe robots to help increase efficiency by automating in-house-transportation in various sectors.

These **completely intelligent autonomous robots (no guide tape)** are a new generation of advanced mobile robots, which give a rapid return on investment, often with a payback period of less than a year.



Automate transport tasks and focus on higher value activities

A new generation of autonomous mobile robots is changing the way businesses move materials inside their facilities—and the MiR is leading the charge. With extraordinary flexibility and smart technology, the MiR can be used in nearly any situation where employees are spending time pushing carts or making deliveries. Now you can automate these tasks, so employees can focus on higher value activities.

Highly flexible with different top modules

The highly flexible MiR autonomously transports up to 200 kg (500 kg towing). It can be mounted with customized top modules such as bins, racks, lifts, conveyors or even a collaborative robot arm—whatever your application demands. Top modules are easy to change so the robot can be redeployed for different tasks.

Safe maneuvering and easy programming

The MiR robot safely maneuvers around people and obstacles, through doorways and in and out of elevators. You can download CAD files of the building directly to the robot, or program it with the simple, web-based interface that requires no prior programming experience. The robot's mission can be easily adapted using a smartphone, tablet or computer connected to the network.

No need to alter your facility

With built-in sensors and cameras and sophisticated software, the MiR can identify its surroundings and take the most efficient route to its destination, safely avoiding obstacles and people. Without the need to alter your facility with expensive, inflexible wires or sensors, the robot offers a fast return on investment, with payback in as little as a year.

Specifications	MiR100	MiR200
Payload		
Robot Payload	100 kg (maximum 5% incline)	200 kg (maximum 5% incline)
Towing Capacity	300 kg	500 kg
Speed and performance		
Running Time	10 hours or 20 km	10 hours or 15 km
Maximum Speed	Forward: 1.5 m/s (5.4 km/h); Backward: 0.3 m/s (1 km/h)	Forward: 1.1 m/s (4 km/h); Backward: 0.3 m/s (1 km/h)
Turning Radius	520 mm (around center of robot)	
Positioning Accuracy	+/-50 mm of position, +/-10 mm to docking marker	
Communication	Wi-Fi, Bluetooth, Ethernet and PLC	
Safety Sensors	Laser Scanner; 3D Camera; Ultrasonic Scanners	
Power		
Battery	Li-NMC, 24 V, 40 Ah; Charging time: up to 3 hours (0-80%: 2 hours)	
Internal Charger	Input: 100-230 V ac, 50-60 Hz / Output: 24 V, max 15 A	
Environment		
Ambient Temperature Range	+5°C to 50°C (humidity 10-95% non-condensing)	
IP class	IP 20	
Dimensions		
Dimension	890 x 580 x 352 mm	
Height above floor	50mm	
Robot Weight (without load)	62.5 kg	

MiR Add-ons

MiRCharge™

- A fully automatic recharging solution
- The MiR can move and connect autonomously to the charging station



MiRFleet™

- Fast and central configuration of a fleet of robots.
- Automatic prioritisation and selection of the robot, based on position and availability.
- SMS or e-mail notifications if obstacles prevent the robot from completing the planning jobs.



MiRHook™

- Automate in-house transport solutions
- Automatic pick-up and drop-off of carts



Machine Building Components
 Assembly Line & Workplaces
 Material Handling Solutions
Robotic Solutions
 Special Purpose Machines