SMALL PARTS & SLC TRANSPORT MAX. 100 KG

MiR

INCREASING EFFICIENCY WITH DRIVERLESS INTRALOGISTICS

THE AUTONOMOUS MOBILE SOLUTION IN TRADE, CRAFT & INDUSTRY

With the MiR100 driverless Mobile Industrial Robots transport system, which is both efficient and user-friendly, you can automate the transport of small loads weighing up to 100 kg and make better use of employee resources.

This does not only make your intralogistics autonomous; above all, it makes them economical, flexible and safe. Without any adjustments on your premises, the MiR100 navigates using 3D camera technology from RealSense, SICK safety laser scanners and ultrasonic sensors, avoids stationary or moving obstacles, and comes to a stop in time. Thanks to its sophisticated technology, it can be used in dynamic environments to colla-borate with humans. In the process, Mobile Industrial Robots quickly earn you returns on your investment; on average, the payback period is less than one year.

Set up your driverless MiR100 with custom-designed and exchangeable superstructures and adjust the autonomous mobile robot precisely to its intended use. Use special add-on modules from the extensive MiRGo accessories program on the convertible loading area of the platform as needed. Flexibly automating internal transports at your site has never been easier.

Talk to us about customized options for your company now.

TYPICAL SECTORS & INDUSTRIES FOR THE USE OF THE MIR 100

• **Hospitals**

• **Laboratories & Research Facilities**

• **Medical Technology   • Pharmaceuticals**

• **Automotive • Logistics • Electronics • Consumer Goods**

FEATURES, FACTS & BENEFITS
YOUR PRODUCT ADVANTAGES

• **Compact & agile**
  suitable for most environments, navigates in highly dynamic settings, tight spaces, over ramps, in elevators

• **Collaborative & safe**
  for autonomous transport in interaction with people

• **Contactless intralogistics**
  across departments & the entire site

• **Flexible use**
  does not require infrastructural or process adjustments, WIFI communication

• **Easy handling**
  intuitive programmability & automatic loading processes

• **Full transparency**
  user-oriented real-time insights into missions

• **Full system compatibility**
  for integration with your ERP/GMS

• **Fleet ready**
  for coordinated robot deployment

TECHNICAL SPECIFICATIONS MIR100 *

Dimensions (LxWxH):	890 x 580 x 352 mm	Max. load capacity:	100 kg
Ground clearance:	50 mm	Max. slope:	5 %
Empty weight:	70 kg	Loading area/load:	890 x 580 mm (LxW) for custom.
Position accuracy:	+/- 10 mm (to docking mark)		setup; esp. suitable for crates,
Speed:	max. 5,4 km/h (1,5 m/s)		boxes, SLC, shelves, conveyors,
Communication:	WIFI (more specs: see online)		Cobot installations and more
Battery & Power:	Li-NMC, 24V, 40Ahh	Protection class:	IP20
Performance duration:	10 hrs. (depending on application)	Safety:	CE conformity
Charging time:	120 minutes	Further certifications:	see online; e. g. clean room
	automatic charging	Safety system:	
Recommended track widths:	Passage min. 1,000 mm /	SICK safety laser scanner S300 (front/rear)	
	door min. 800 mm	for optical 360° protection	
Floor:	Smooth / dry (small water puddles)	3D camera Intel RealSense for detection of objects in the travel	
Uneven floor:	< 20 mm	path (50-1,800 mm height above floor)	
Temperature range:	5 to 40 °C	4x ultrasonic sensors	
Rel. Humidity:	10 to 95 % (non-condensing)	Acoustic & visual signaling	

* Specifications as provided by the manufacturer at the time of printing; subject to change & errors excepted.

MiR Certified System Integrator
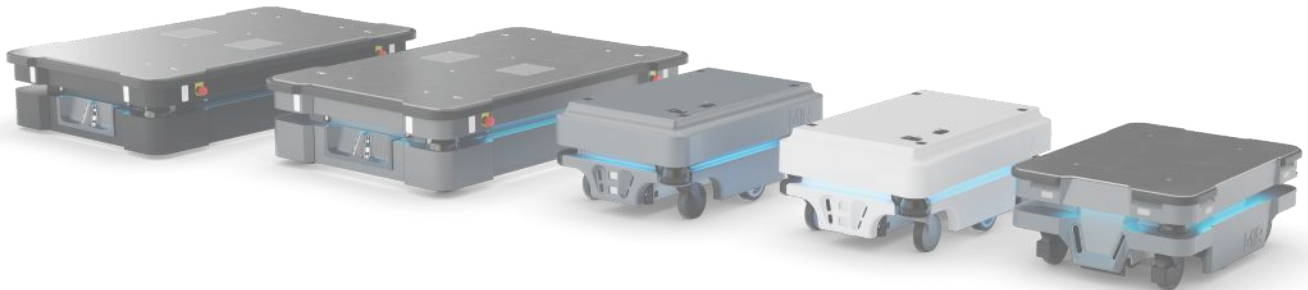
Find a wide range of accessories and set modules for your individual MiR100 online.

OUR COMPREHENSIVE SERVICES AS AMR INTEGRATOR

- Test Installation
- Commissioning
- Fleet Management
- Maintenance & Service
- Safety & Consulting
- Education & Training

GET TO KNOW US

As the largest manufacturer-independent integrator of automated guided vehicles in Europe, we deliver the perfect solution for the automation of your intralogistics tasks in industry, service, trade & crafts.

Let us talk about your challenges and get your company's logistics future-ready with our strong team!

MOBILEROBOTS

by **DAHL** ROBOTICS