



MiR | a better way



Do logistics in a better way

Want to optimize your productivity, internal workflows and increase your competitiveness? Bring your internal logistics up to speed with autonomous mobile robots that automate repetitive and injury-prone material transportation and work safely alongside your employees to boost productivity.

MiR's collaborative mobile robots are simple to integrate and easy to program, with no need for expensive and disruptive reconfiguration of your infrastructure. You'll see an immediate impact on your ability to process orders faster and reduce material handling costs to get fast ROI on your mobile robots- often, in less than 12 months.

Need flexibility? User-friendly MiR robots enable you to adapt to changing market demands, new products, and new production flows. Very easily, you can switch out top modules, change missions, and add new functionality, without the need for external integration services.

See how companies from different industries around the world—and from family-owned regional businesses to global companies with multiple locations—have found a better way to do logistics with MiR. With local sales offices around the world and a global distribution network, we are ready to support your business wherever you are located.

MiR | a better way



MiR1000

Flexibility

An open interface supports different applications



MiRGo

The MiR robots are flexible platforms, ready for your application to be integrated. With MiRGo, we present different available applications for your inspiration. Check it out, maybe there's just the accessory you need in order to optimize your internal logistics.

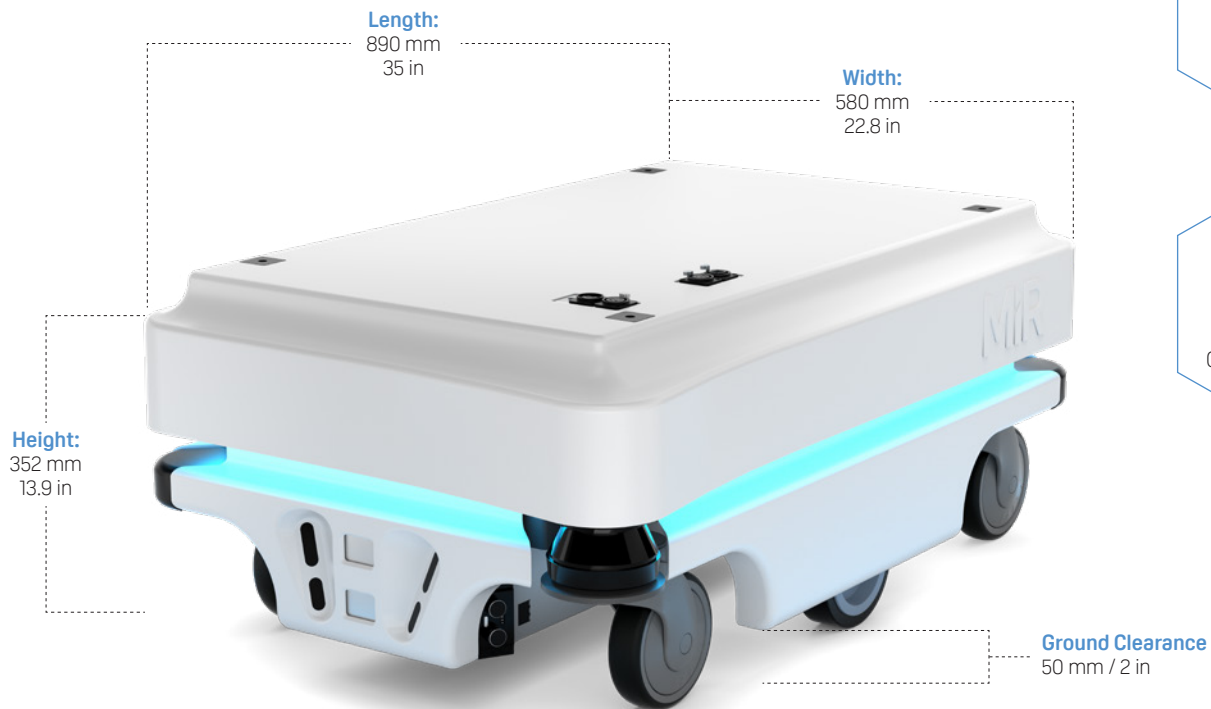
MiRGo - Recommended

Want top modules that have been tested by MiR and that can be delivered globally?

Look for the MiRGo Recommended-symbol when visiting mir-robots.com/mirgo



MiR100



Load weight:
100 kg / 220 lbs



Certifications:
CE certified
Clean Room Certified

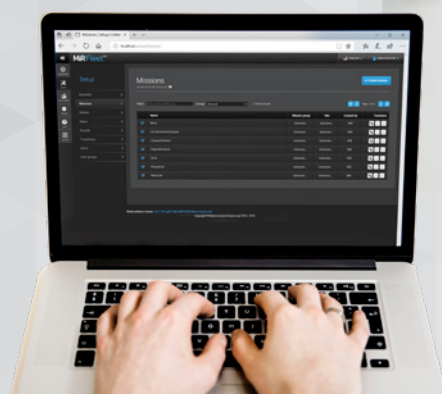
Safe and cost-effective mobile robots

The **MiR100** and **MiR200** are safe, cost-effective mobile robots that quickly automate your internal transportation and logistics of smaller parts. The robots optimize workflows, freeing staff resources so you can increase productivity and reduce costs. The highly flexible mobile robots autonomously transport up to 200 kg (440 lbs). They 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.

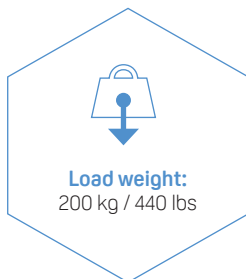
MiRFleet

Fleet management for optimized robot traffic

- Fast and central configuration of a fleet of robots. Prioritization and selection of the robot which is best suited for a job, based on position and availability.
- Planning of the use of different top modules, hook, and other accessories.
- Full featured REST-API for ERP implementation.

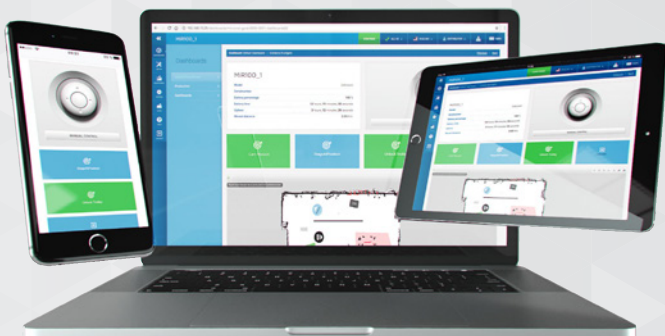


MiR200



Extremely user-friendly interface

- Works on PC, tablet and smartphone
- Customizable dashboard makes it easy to tailor the interface to the individual user's needs.



MiRCharge 24V

A fully automatic charging solution

The MiR100 and the MiR200 move and connect autonomously to the charging station.

MiRHook

Automated in-house transport solutions

Autonomously picks up and unloads carts and is ideal for a wide range of towing jobs.

Moves heavy products between locations effectively.



Highest position above ground: 1180 mm 46.5 in

Lowest position above ground: 1275 mm 50.2 in



Towing capacity:
500 kg / 1100 lbs



Towing capacity:
300 kg / 661 lbs





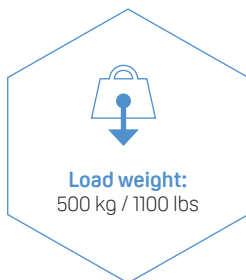
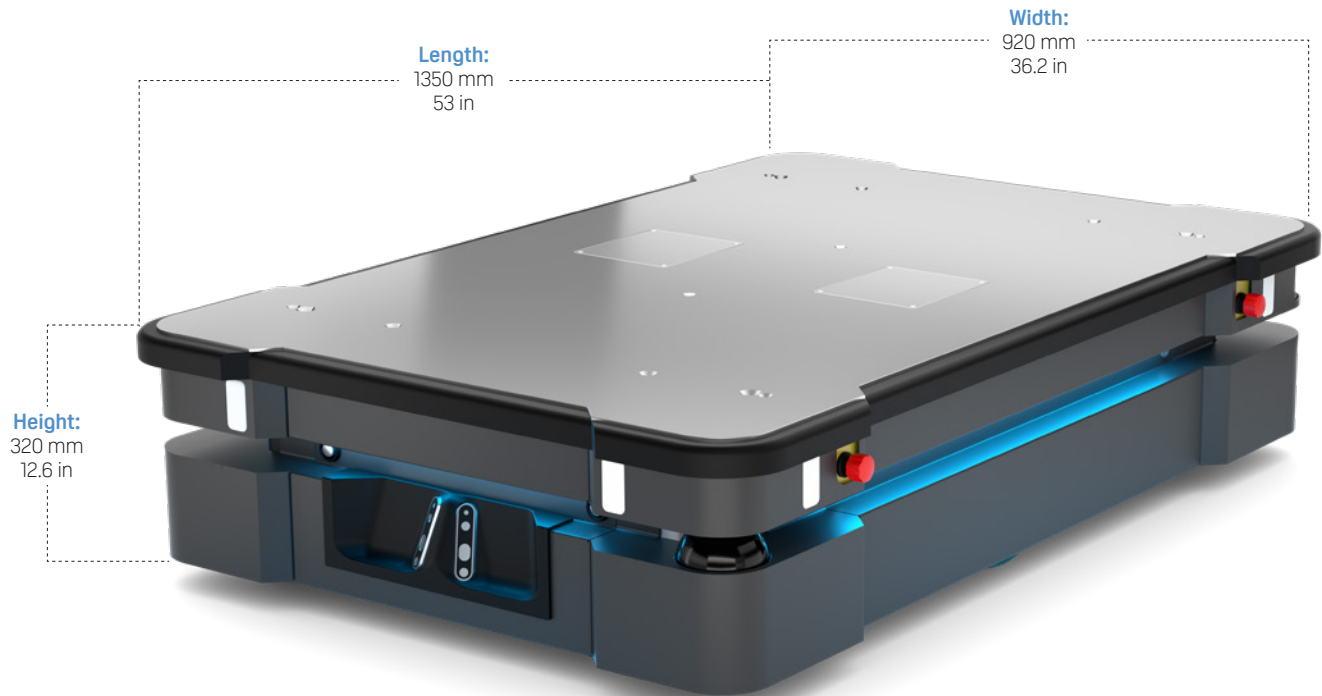
Nidec

Three **MiR100** with **MiRHooks** optimize the internal transportation of carts at German Nidec. Each robot drives 11 km a day, and they autonomously pickup, transport and deliver carts in two different production areas and move them to the warehouse.

Taking over the repetitive transportation tasks, the mobile robots free up employees for R&D while they are also keeping the stock low as they are able to move materials from the assembly lines immediately.



MiR500

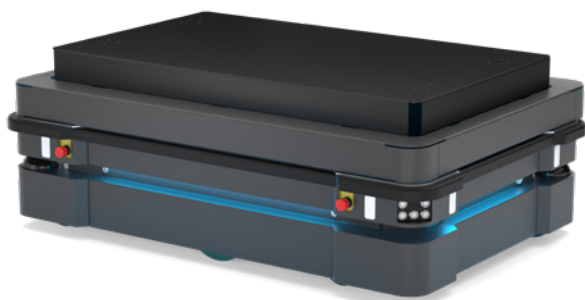


MiR500 is designed to automate the transportation of heavy loads and pallets across industries.

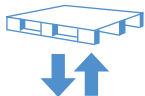
With the MiR500 EU Pallet Lift or the MiR500 Lift, the MiR500 picks up, transports and delivers pallets autonomously, freeing up employees for more valuable tasks. MiR500 is compliant with ISO/EN 13849 and fulfills the EMC requirement for industrial use. The rugged MiR500 is designed for industry use with robust exterior that can withstand dropped cargo and can easily navigate up and down ramps and even through shallow water puddles.



MiR500 Lift



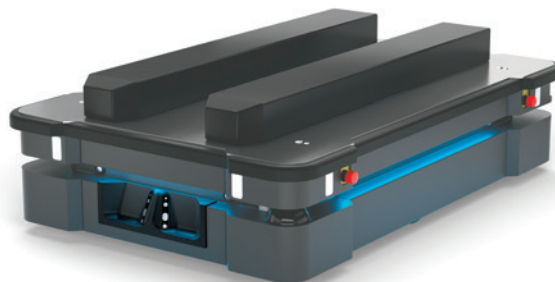
Load weight:
500 kg / 1100 lbs



Designed for transport
of pallets and for lift
applications



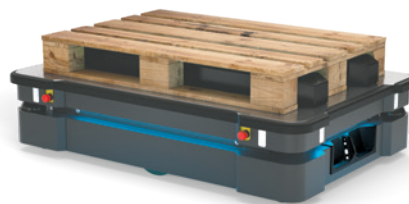
MiR500 EU Pallet Lift



Load weight:
500 kg / 1100 lbs



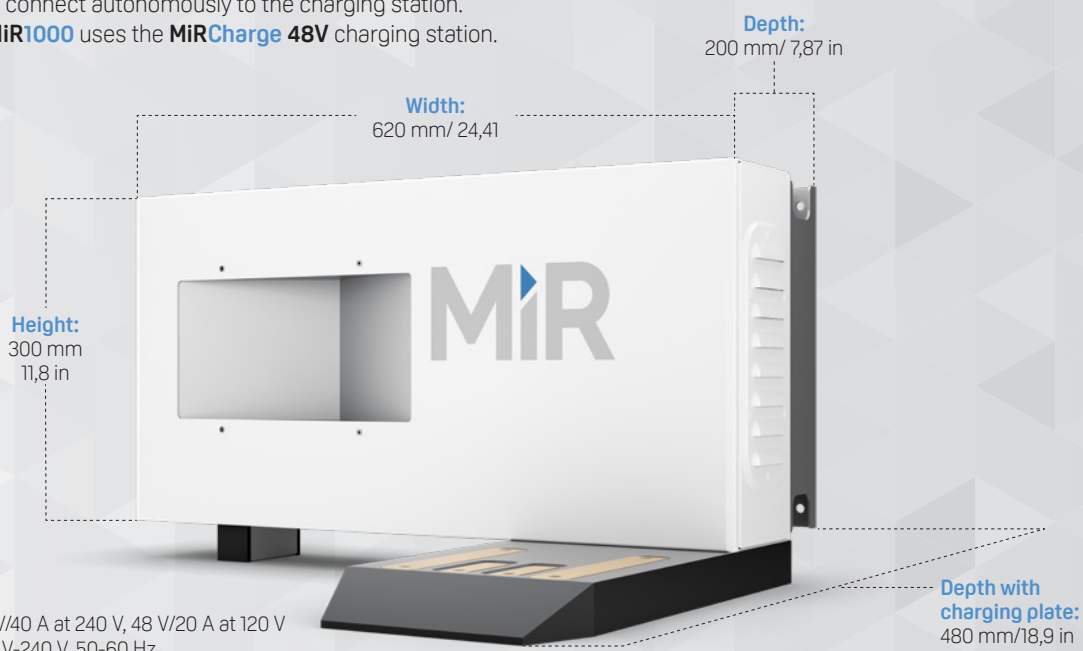
Designed for transport
of pallets and for lift
applications



MiRCharge 48V

A fully automatic charging solution

The MiRs move and connect autonomously to the charging station.
Both **MiR500** and **MiR1000** uses the **MiRCharge 48V** charging station.



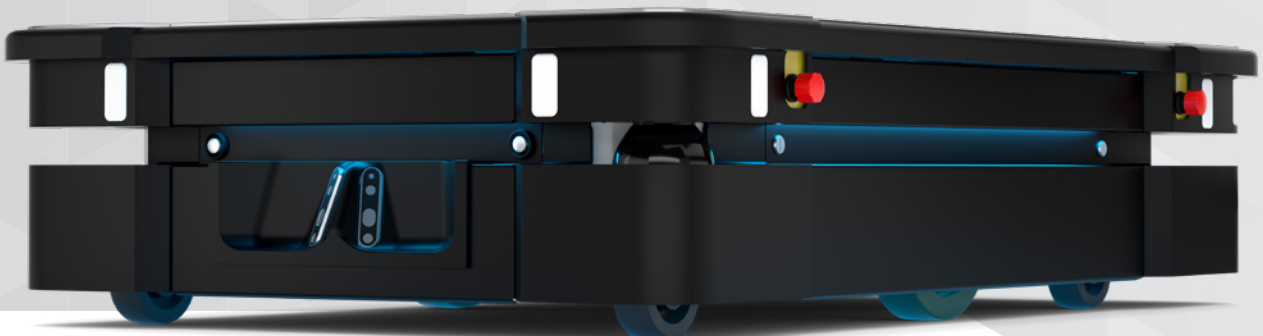
MiR1000



MiR1000 automates and optimizes the internal transportation of heavy duties and pallets. With a payload of 1000 kg, this is MiR's most powerful robot, and even in highly dynamic environments it can transport heavy loads without any exterior safety measures.

MiR1000 can be deployed with pallet lifts from MiR and can pick up, transport and deliver pallets automatically.

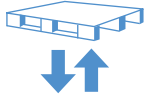
This means that the collaborative robot is a safe alternative to traditional forklifts and trucks, which many companies would like to remove from manufacturing halls, because they often cause a safety risk. At the same time, unlike more conventional pallet lifts, MiR1000 does not need to be manned, so it optimizes the transportation of pallets and frees up employees for more valuable tasks.



MiR1000 Lift



Load weight:
1000 kg / 2,200 lbs



Designed for transport
of pallets and for lift
applications



MiR1000 EU Pallet Lift



Load weight:
1000 kg / 2,200 lbs



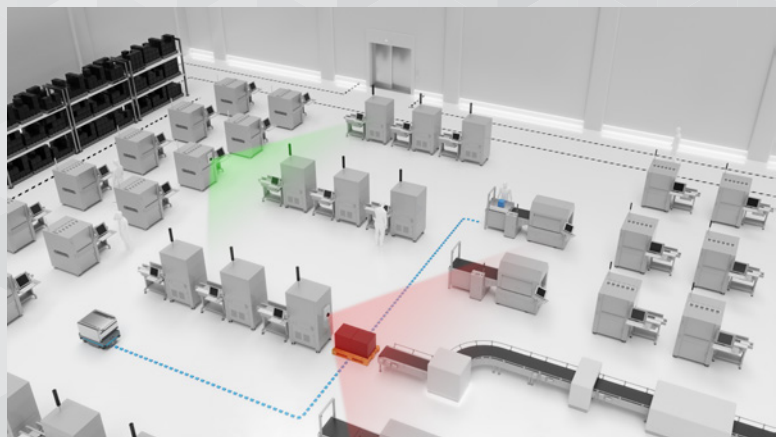
Designed for transport
of pallets and for lift
applications



MiR AI Camera

Optimize the efficiency of
your mobile robots with AI

The next step in the evolution of Autonomous Mobile Robots (AMRs) is the addition of artificial intelligence (AI) to increase the capabilities of the mobile robots. MiR AI Camera works as an extra set of sensors for the MiR robots and makes the robots even more efficient, and improves the overall traffic flow in dynamic environments.



Johnson Controls Hitachi

A **MiR200** improves the productivity and safety at Johnson Controls Hitachi in Barcelona. The mobile robot picks up shelving units in the storeroom and carries materials to the production line where it picks up waste packaging.

The robot operates during a full 8-hour shift and has eliminated electric trolleys from the factory floor, making it a safer place for all.



Hours
pr. day



MiR100

MiR200

DESIGNATED USE

| | | |
|----------------------------|---|---|
| Collaborative mobile robot | For smaller transport tasks within the industry, logistics and healthcare | For smaller transport tasks within the industry, logistics and healthcare |
|----------------------------|---|---|

DIMENSIONS

| | | |
|-----------------------|------------------|------------------|
| Length | 890 mm / 35 in | 890 mm / 35 in |
| Width | 580 mm / 22.8 in | 580 mm / 22.8 in |
| Height | 352 mm / 13.9 in | 352 mm / 13.9 in |
| Height above floor | 50 mm / 2 in | 50 mm / 2 in |
| Weight (without load) | 65 kg / 143 lbs | 65 kg / 143 lbs |
| Load surface | 600 x 800 mm | 600 x 800 mm |

COLOR

| | | |
|-----------|-----------------------|----------------------|
| RAL color | RAL 9010 / Pure White | RAL 7011 / Iron Grey |
|-----------|-----------------------|----------------------|

PAYLOAD

| | | |
|-----------------|---|--|
| Robot payload | 100 kg / 220 lbs (maximum 5% incline) | 200 kg / 440 lbs (maximum 5% incline) |
| Towing capacity | 300 kg / 660 lbs (see MiRHook 100 specifications) | 500 kg / 1100 lbs (see MiRHook 200 specifications) |

SPEED AND PERFORMANCE

| | | |
|------------------------------------|--|--|
| Battery running time | 10 hours or 20 km / 12 mi | 10 hours or 15 km / 9 mi |
| Maximum speed | Forwards: 1.5 m/s (5.4 km/h) Backwards: 0.3 m/s (1 km/h) | Forwards: 1.1 m/s (4 km/h) Backwards: 0.3 m/s (1 km/h) |
| Turning radius | 520 mm / 20 in (around center of robot) | 520 mm / 20 in (around center of robot) |
| Positioning accuracy | +/- 50 mm / 2 in of position, +/- 10 mm / 0.4 to docking marker | +/- 50 mm / 2 in of position, +/- 10 mm / 0.4 to docking marker |
| Traversable gap and sill tolerance | 20 mm / 0.8 in | 20 mm / 0.8 in |

POWER

| | | |
|------------------------|---|---|
| Battery | Li-NMC, 24 V, 40 Ah | Li-NMC, 24 V, 40 Ah |
| Charging time | With cable: up to 4.5 hours (0-80%: 3 hours) With charging station: up to 3 hours (0-80%: 2 hours) | With cable: up to 4.5 hours (0-80%: 3 hours) With charging station: up to 3 hours (0-80%: 2 hours) |
| External charger | Input: 100-230 V ac, 50-60 Hz Output: 24 V, max 15 A | Input: 100-230 V ac, 50-60 Hz Output: 24 V, max 15 A |
| Battery charging cycle | | |

ENVIRONMENT

| | | |
|---------------------------|---|---|
| Ambient temperature range | +5°C to 40°C (humidity 10-95% non-condensing) | +5°C to 40°C (humidity 10-95% non-condensing) |
| IP Class | IP 20 | IP20 |
| Certifications | CE certified Clean Room Certified | ESD certified Clean Room Certified ESD Approved |

COMMUNICATION

| | | |
|-----------|-----------------------------------|-----------------------------------|
| WiFi | Dual-band wireless AC/G/N/B | Dual-band wireless AC/G/N/B |
| Bluetooth | 4.0 LE, range: 10-20 m / 33-66 ft | 4.0 LE, range: 10-20 m / 33-66 ft |
| I/Os | USB and Ethernet | USB and Ethernet |

SENSORS

| | | |
|--|---|---|
| SICK microScan3 safety system (2 pcs.) | SICK safety laser scanners S300 (front and back) 360° visual protection around robot | SICK safety laser scanners S300 (front and back) 360° visual protection around robot |
| 3D camera (2 pcs.) | 3D camera Intel RealSense™ Detection of objects ahead 50-500 mm above floor | 3D camera Intel RealSense™ Detection of objects ahead 50-500 mm above floor |

TOP MODULE

| | | |
|-------------------------------|----------------------------------|----------------------------------|
| Max. height from floor to top | 1800 mm / 70 in | 1800 mm / 70 in |
| Center of gravity | < 900 mm / 35 in above the floor | < 900 mm / 35 in above the floor |

MiRHook100

MiRHook200

DESIGNATED USE

| | | |
|--------------------------------------|---|---|
| Collaborative mobile robot with hook | For fully-automated pick-up and delivery of carts | For fully-automated pick-up and delivery of carts |
|--------------------------------------|---|---|

DIMENSIONS

| | | |
|--|---|---|
| Length (highest to lowest positions of hook arm) | 1180 to 1275 mm / 46.5 to 50.2 in | 1180 to 1275 mm / 46.5 to 50.2 in |
| Width | 580 mm / 22.8 in | 580 mm / 22.8 in |
| Height (lowest to highest positions of hook arm) | 550 to 900 mm / 21.7 to 35.4 in | 550 to 900 mm / 21.7 to 35.4 in |
| Height above floor | Robot: 50 mm / 2 in Gripping height: 50-390 mm / 2-13.4 in | Robot: 50 mm / 2 in Gripping height: 50-390 mm / 2-13.4 in |
| Weight (without load) | 98 kg / 216 lbs | 98 kg / 216 lbs |

COLOR

| | | |
|-----------|-----------------------|----------------------|
| RAL color | RAL 9010 / Pure White | RAL 7011 / Iron Grey |
|-----------|-----------------------|----------------------|

TOWING CAPACITY

| | | |
|-----------------|---|--|
| Load incl. cart | Up to 300 kg / 661 lbs at <1% incline 200 kg / 441 lbs at 5% incline | Up to 500 kg / 1100 lbs at <1% incline 300 kg / 661 lbs at 5% incline |
|-----------------|---|--|

SPEED AND PERFORMANCE

| | | |
|-------------------------------------|---|---|
| Running time (depending on load) | 8-10 hours or 15-20 km / 9.3-12.4 mi | 8-10 hours or 15-20 km / 9.3-12.4 mi |
| Maximum speed | 1.5 m/s (5.4 km/h) / 4.9 ft/s (3.6 mph) | 1.1 m/s (4 km/h) / 3.6 ft/s (2.5 mph) |
| Turning radius (without cart) | 520 mm / 20.5 in (around center of robot) | 520 mm / 20.5 in (around center of robot) |
| Swinging radius (with cart) | Total length of robot and cart plus 550 mm / 21.7 in | Total length of robot and cart plus 550 mm / 21.7 in |
| Positioning accuracy (placing cart) | +/- 200 mm / 7.9 in from center of position, 10° accuracy | +/- 200 mm / 7.9 in from center of position, 10° accuracy |

POWER

| | | |
|------------------|---|---|
| Battery | Li-NMC, 24 V, 40 Ah | Li-NMC, 24 V, 40 Ah |
| Charging time | Up to 3 hours (0-80%: 2 hours) | Up to 3 hours (0-80%: 2 hours) |
| External charger | Input: 100-230 V ac, 50-60 Hz Output: 24 V, max 15 A | Input: 100-230 V ac, 50-60 Hz Output: 24 V, max 15 A |

ENVIRONMENT

| | | |
|--|--------------|--------------|
| Ambient temperature range (humidity 10-95% non-condensing) | +5°C to 40°C | +5°C to 40°C |
| IP class | IP20 | IP20 |

COMMUNICATION

| | | |
|-----------|---------------------------------------|---------------------------------------|
| WiFi | Dual-band wireless AC/G/N/B | Dual-band wireless AC/G/N/B |
| Bluetooth | 4.0 LE, range: 10-20 m / 32.8-65.6 ft | 4.0 LE, range: 10-20 m / 32.8-65.6 ft |
| I/Os | USB and Ethernet | USB and Ethernet |

SENSORS

| | | |
|--|---|---|
| SICK safety laser scanners S300 (front and back) | 360° visual protection around robot | 360° visual protection around robot |
| 3D camera Intel RealSense™ on robot | detection of objects ahead 50-500 mm / 2-20 in above floor | detection of objects ahead 50-500 mm / 2-20 in above floor |
| 3D camera Intel RealSense™ on front of hook | detection of objects ahead up to 2000 mm / 78.7 in above floor | detection of objects ahead up to 2000 mm / 78.7 in above floor |

CART

| | | |
|--------|------------------------------|------------------------------|
| Length | 500 to 2400 mm / 20 to 94.5 | 500 to 2400 mm / 20 to 94.5 |
| Width | 400 to 1500 mm / 15.7 to 59 | 400 to 1500 mm / 15.7 to 59 |
| Height | 200 to 2000 mm / 7.9 to 78.7 | 200 to 2000 mm / 7.9 to 78.7 |



Cabka USA

A **MiR500** equipped with a MiR500 Lift is a key component in a fully automated production line at pallet manufacturer, Cabka in Missouri. The mobile robot for heavy loads and pallets is loaded with finished pallets by a six-axis robot and transports them from production to a separate staging area as soon as the job is complete, keeping the production floor clear.

The MiR500 takes over the internal transportation task from a traditional forklift and helps Cabka minimize dependency on temporary workers while also improving product quality and worker safety.



MiR500

MiR1000

DESIGNATED USE

| | | |
|----------------------------|--|--|
| Collaborative mobile robot | For internal transportation of heavy loads and pallets within the industry and logistics | For internal transportation of heavy loads and pallets within the industry and logistics |
|----------------------------|--|--|

DIMENSIONS

| | | |
|-----------------------|------------------|------------------|
| Length | 1350 mm / 53 in | 1350 mm / 53 in |
| Width | 920 mm / 36.2 in | 920 mm / 36.2 in |
| Height | 320 mm / 12.6 in | 320 mm / 12.6 in |
| Height above floor | 30 mm / 1.2 in | 30 mm / 1.2 in |
| Weight (without load) | 230 kg / 507 lbs | 230 kg / 507 lbs |
| Load surface | 1300 x 900 mm | 1300 x 900 mm |

COLOR

| | | |
|-----------|----------------------|-------------------------|
| RAL color | RAL 7011 / Iron Grey | RAL 9005 / Signal Black |
|-----------|----------------------|-------------------------|

PAYLOAD

| | | |
|---------------|-------------------|---------------------|
| Robot payload | 500 kg / 1100 lbs | 1000 kg / 2,200 lbs |
|---------------|-------------------|---------------------|

SPEED AND PERFORMANCE

| | | |
|------------------------------------|---|---|
| Battery running time | 8 hours | 8 hours |
| Maximum speed | 2.0 m/s (7.2 km/h) | 1.2 m/s (4.3km/h) |
| Turning radius | 2000 mm | 2000 mm |
| VL Marker accuracy | Position (center of robot): +/-5/ 0.2". Angle: +/- 1° | Position (center of robot): +/-5/ 0.2". Angle: +/- 1° |
| Traversable gap and sill tolerance | | 20 mm / 0.8 in |

POWER

| | | |
|------------------------|--|--|
| Battery | Li-NMC, 48 V, 40 Ah | Li-NMC, 48 V, 40 Ah |
| Charging time | 1 hour (10% to 90%) MiR Charge 2 hours (10% to 90%) cable charger | 1 hour (10% to 90%) MiR Charge 2 hours (10% to 90%) cable charger |
| External charger | Input: 100-230 V ac, 50-60 Hz Output: 48 V, max 40 A | Input: 100-230 V ac, 50-60 Hz Output: 48 V, max 40 A |
| Battery charging cycle | Minimum 700 cycles | Minimum 700 cycles |

ENVIRONMENT

| | | |
|---------------------------|--|--|
| Ambient temperature range | +5°C to 40°C (humidity 10-95% non-condensing) | +5°C to 40°C (humidity 10-95% non-condensing) |
| IP Class | IP21 | IP21 |
| Compliance | 5 safety functions according to ISO 13849-1 Standards: ISO/CD 3691-4, EN1525, ANSI B56.5 EMC: EN12895, EN61000-6-2, EN61000-6-4. | 5 safety functions according to ISO 13849-1 Standards: ISO/CD 3691-4, EN1525, ANSI B56.5 EMC: EN12895, EN61000-6-2, EN61000-6-4. |

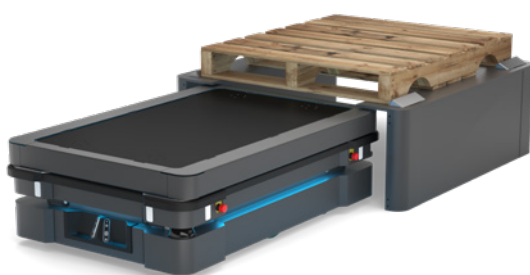
COMMUNICATION

| | | |
|------|--|--|
| WiFi | Dual-band wireless AC/G/N/B | Dual-band wireless AC/G/N/B |
| I/Os | 4 digital inputs, 4 digital outputs, 1 Ethernet port with Modbus protocol | 4 digital inputs, 4 digital outputs, 1 Ethernet port with Modbus protocol |

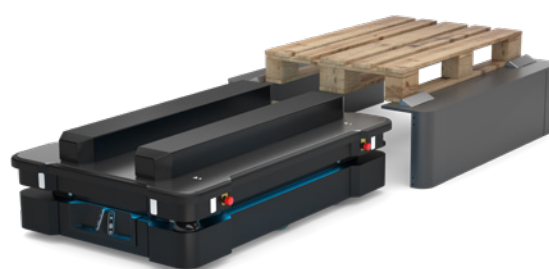
SENSORS

| | | |
|--|---|---|
| SICK microScan3 safety system (2 pcs.) | 360° visual protection around robot | 360° visual protection around robot |
| 3D camera (2 pcs.) | 2 pcs.: Intel RealSense D435. FoV: Detects objects 1700 mm high at a distance of 950 mm in front of the robot. 114° total horizontal view. Ground view, minimum distance from robot: 250 mm | 2 pcs.: Intel RealSense D435. FoV: Detects objects 1700 mm high at a distance of 950 mm in front of the robot. 114° total horizontal view. Ground view, minimum distance from robot: 250 mm |
| Proximity sensors | 8 pcs | 8 pcs |

| | MiR500 Lift | MiR500 EU Pallet Lift | MiR1000 Lift | MiR1000 EU Pallet Lift |
|----------------------------------|--|--|--|--|
| DESIGNATED USE | | | | |
| Lift for MiR500 | For autonomous pickup and unloading of pallets and for lift applications | For autonomous pickup and unloading of EUR-pallets | For autonomous pickup and unloading of pallets and for lift applications | For autonomous pickup and unloading of EUR-pallets |
| DIMENSIONS | | | | |
| Length | Frame Length: 1304 mm / 51.3 in Lift Length: 1174 mm / 46.2 in | 1200 mm / 47.2 in | Frame Length: 1304 mm / 51.3 in Lift Length: 1174 mm / 46.2 in | 1200 mm / 47.2 in |
| Width | Frame Width: 910 mm / 35.8 in Lift Width: 710 mm / 28 in | 162 mm / 6.4 in | Frame Width: 910 mm / 35.8 in Lift Width: 710 mm / 28 in | 162 mm / 6.4 in |
| Total height in lowered position | 90 mm / 3.5 in | 95 mm / 3.7 in | 90 mm / 3.5 in | 95 mm / 3.7 in |
| Total height in lifted position | 150 mm / 5.9 in | 155 mm / 6.1 in | 150 mm / 5.9 in | 155 mm / 6.1 in |
| COLOR | | | | |
| RAL color | RAL 9005 / Signal Black | RAL 9005 / Signal Black | RAL 9005 / Signal Black | RAL 9005 / Signal Black |
| PAYLOAD | | | | |
| Lift payload | 500 kg / 1100 lbs | 500 kg / 1100 lbs | 1000 kg / 2200 lbs | 1000 kg / 2200 lbs |
| PERFORMANCE | | | | |
| Lift height | 60 mm / 2.4 in | 60 mm / 2.4 in | 60 mm / 2.4 in | 60 mm / 2.4 in |
| Lifting cycle | Minimum 50,000 cycles | Minimum 60,000 cycles | Minimum 50,000 cycles | Minimum 60,000 cycles |
| PALLETS | | | | |
| Length x width | Supported with Lift Pallet Rack: 1016 mm x 1219 mm / 40 in x 48 in Can be used for different pallet dimensions | 1200 mm x 800 mm / 47.2 x 31.5 in | Supported with Lift Pallet Rack: 1016 mm x 1219 mm / 40 in x 48 in Can be used for different pallet dimensions | 1200 mm x 800 mm / 47.2 x 31.5 in |



MiR Lift Pallet Rack



MiR EU Pallet Rack

| | | |
|------------------------|--|--|
| DESIGNATED USE | | |
| Pallet Rack for MiR500 | For autonomous pickup and unloading of 40" x 48" pallets | For autonomous pickup and unloading of EUR-pallets |
| DIMENSIONS | | |
| Length | 1300 mm / 51.2 in | 1300 mm / 56.3 in |
| Width | 1182 mm / 45.5 in | 1182 mm / 45.5 in |
| Height | 442 mm / 17.4 in | 352 mm / 13.9 in |
| COLOR | | |
| RAL color | RAL 7011 / Iron Grey | RAL 7011 / Iron Grey |
| PAYLOAD | | |
| Pallet Rack payload | 1000 kg / 2200 lbs | 1000 kg / 2200 lbs |



MiRCharge 24V

MiRCharge 48V

DESIGNATED USE

| | | |
|----------------------------------|--|---|
| Automatic charger for MiR robots | The robot moves and connects to the docking station. | The robot moves and connects to the docking station |
|----------------------------------|--|---|

DIMENSIONS

| | | |
|--------|------------------|--------------------------------------|
| Width | 580 mm / 22.8 in | 620 mm |
| Height | 300 mm / 11.8 in | 340 mm |
| Depth | 120 mm / 4.7 in | 200 mm (with charging plate: 480 mm) |
| Weight | 10.5 kg / 22 lbs | 21 kg |

MOUNTING SPECIFICATIONS

| | |
|-----------------------|--|
| Wall mounting | to be mounted flush with floor |
| Mounting height above | floor 45 mm / 1.8 in from floor to bottom edge |

RATED OPERATING CONDITIONS

| | | |
|---------------------------|--|--|
| Ambient temperature range | +5°C to 40°C | +5°C to 40°C |
| Humidity | 10-95% non-condensing | 10-95% non-condensing |
| Power | Output: 24 V, max. 25 A Input: 100/230 V ac, 50-60 Hz | Output: 48 V/40 A at 240 V, 48 V/20 A at 120 V Input: 100 V-240 V, 50-60 Hz |

COMPLIANCE

| | | |
|----------|---------------|--------------|
| Standard | EN-60335-2-29 | EN60335-2-29 |
|----------|---------------|--------------|

MiRFleet

DESIGNATED USE

| | |
|--|---|
| Centralized control of a fleet of robots | Up to 100 robots |
| Order handling | Prioritization and handling of orders among multiple robots |
| Battery level control | Monitoring of robot battery levels and automatic handling of recharging |
| Traffic control | Coordination of critical zones with multiple robot intersections |

TWO SOLUTIONS AVAILABLE

| | |
|-----------------|--|
| MiRFleet PC | Comes as a physical PC box |
| MiRFleet Server | For installation in existing server infrastructure |

MiRFLEET PC

| | |
|---------------------------|--|
| Model | NUC5i3MYHE |
| PC | Intel Maple Canyon NUC |
| CPU | Intel Core i3-50010U (3MB cache, 2.1GHz base clock) |
| RAM | 8GB DDR3L-1600 |
| SSD | 128GB 2.5" |
| Operating system | Linux Ubuntu 16.04 |
| Network capabilities | 1 Gbit Ethernet, no wireless option |
| Required connections | 110V or 230V power socket and Ethernet network cable |
| Installation requirements | Must run on the same physical network as the robots in general |

MiRFLEET SERVER

| | |
|-----------------------------|--|
| Installation file size | 3GB |
| MiRFleet update file size | ~300 MB |
| Server requirements | Dual core processor with min. 2.1 GHz clock |
| RAM | Min. 4 GB (8 GB recommended) |
| HDD | 30 GB |
| Supported operating systems | Ubuntu Server 18.04 LTS w. Docker CE/EE 18.09 Debian 9 w. Docker CE/EE 18.09 CentOS 7 w. Docker CE/EE 18.09 Redhat Enterprise Linux 7.4 w. Docker CE/EE 18.09 |



Zealand University Hospital

Five hospital departments at Zealand University Hospital in Denmark receive daily autonomous deliveries from the hospital's sterilization center with a **MiR100**. Before the mobile robot arrived, service assistants were providing weekly deliveries of disposable equipment to hospital departments. A manual procedure that involved heavy lifting.

Now the MiR100 improves the ergonomics, make sure that deliveries are made on time, and frees up time for the service assistants to do warmer tasks like patient care.



Departments
Served pr. day

Born Global

Mobile Industrial Robots is rapidly expanding. We have established offices in Denmark (HQ), New York, Spain, Germany, China, San Diego, and Singapore and with **+170 distributors** in more than **45 countries** and still more to come, we are able to offer our robots to customers worldwide.



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