

KONICA MINOLTA

Giving Shape to Ideas

# TRANSFORMING


## THE FUTURE WITH MiR



**MiR**  
MOBILE INDUSTRIAL ROBOTS

# The rise of **ROBOTICS** is changing the workplace





# Mobile Robotics

Automation enables business productivity and bolsters profitability. Collaborative mobile robots are the next generation of solutions in the automated workplace.

User-friendly collaborative mobile robots enable business by completing repetitive tasks involving the movement of goods. These robots are being adopted to drive profitability in an increasingly competitive world.

At Konica Minolta, we work with Mobile Industrial Robots (MiR) to support our customers' growth. By harnessing our deep competencies in customer service, distribution, implementation, training and service provision we enable MIR to continue designing, manufacturing and supplying industry leading solutions.

The robots optimise processes involving the movement of goods, freeing up staff resources to work on higher value tasks. In-house transportation is just one application for which manufacturers and logistics providers have used MIR's robots. Inbuilt technology enables the robots to identify their surroundings and react in real time to objects in their paths.

The user-friendly software makes implementation and optimisation simple to complete. The robots can drive autonomously or can be controlled via a web interface on a mobile device or PC.

Australian forward thinkers and future makers take note: Konica Minolta and Mobile Industrial Robots (MIR) are working together to drive down costs, drive up efficiency and drive the next generation of automation. Test drive the solution for yourself.

# Safety

- Manoeuvres safely around obstacles by using scanners, a 3D camera and ultrasonic sensors
  - Unblemished safety record while working side by side with people





# Benefits

- Reduces costs and drives profits
- Easy to Install
- Flexible and reliable
- Redeploy workers pushing a cart to higher value activities
- Increase safety
- Enhance production
- No idle time
- Covered by Konica Minolta's leading service





## MIR 200<sup>TM</sup>

### Tech specs

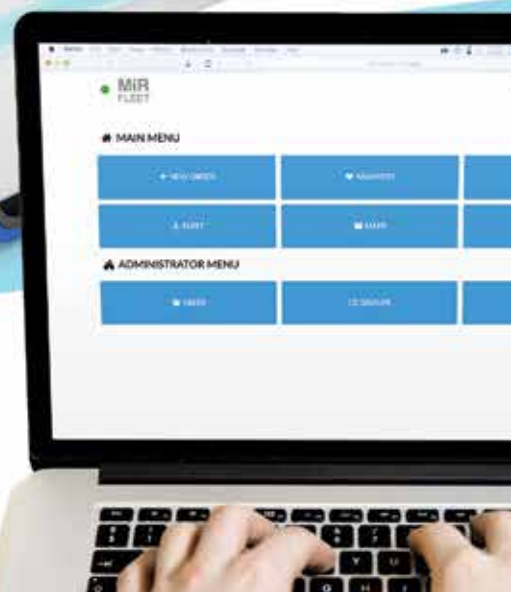
- ▶ Payload: 200 kg – 440 lbs
- ▶ Towing capacity with hook: 500 kg – 1102 lbs
- ▶ Precision:  
From reference point:  $\pm 50$  mm –  $\pm 2$ "  
To docking marker:  $\pm 10$  mm –  $\pm 0.4$ "
- ▶ Max speed:  
Forward: 1.1 m/s – 3.6 ft/s  
Backward: 0.3 m/s – 1 ft/s
- ▶ Running time: 10 hours or 15 km – 12.5 mi
- ▶ Weight: 62.5 kg – 138 lbs
- ▶ Battery charging: 0-80%: 2 hours
- ▶ Communication: Wi-Fi, Bluetooth, Ethernet
- ▶ Safety: Comply with EN1525 safety regulations, SICK safety lasers, PLd cat. 3
- ▶ ESD Approved
- ▶ CE Certified
- ▶ Clean Room Certified



## MIR 100<sup>TM</sup>

### Tech specs

- ▶ Payload: 100 kg – 220 lbs
- ▶ Towing capacity with hook: 300 kg – 660 lbs
- ▶ Precision:  
From reference point:  $\pm 50$  mm –  $\pm 2$ "  
To docking marker:  $\pm 10$  mm –  $\pm 0.4$ "
- ▶ Max speed:  
Forward: 1.5 m/s – 5 ft/s  
Backward: 0.3 m/s – 1 ft/s
- ▶ Running time: 10 hours or 20 km – 12.5 mi
- ▶ Weight: 62.5 kg – 138 lbs
- ▶ Battery charging: 0-80%: 2 hours
- ▶ Communication: Wi-Fi, Bluetooth, Ethernet
- ▶ Safety: Comply with EN1525 safety regulations, SICK safety lasers, PLd cat. 3
- ▶ CE Certified





## MiRHook™

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

## MiRCharge™

A fully automatic recharging

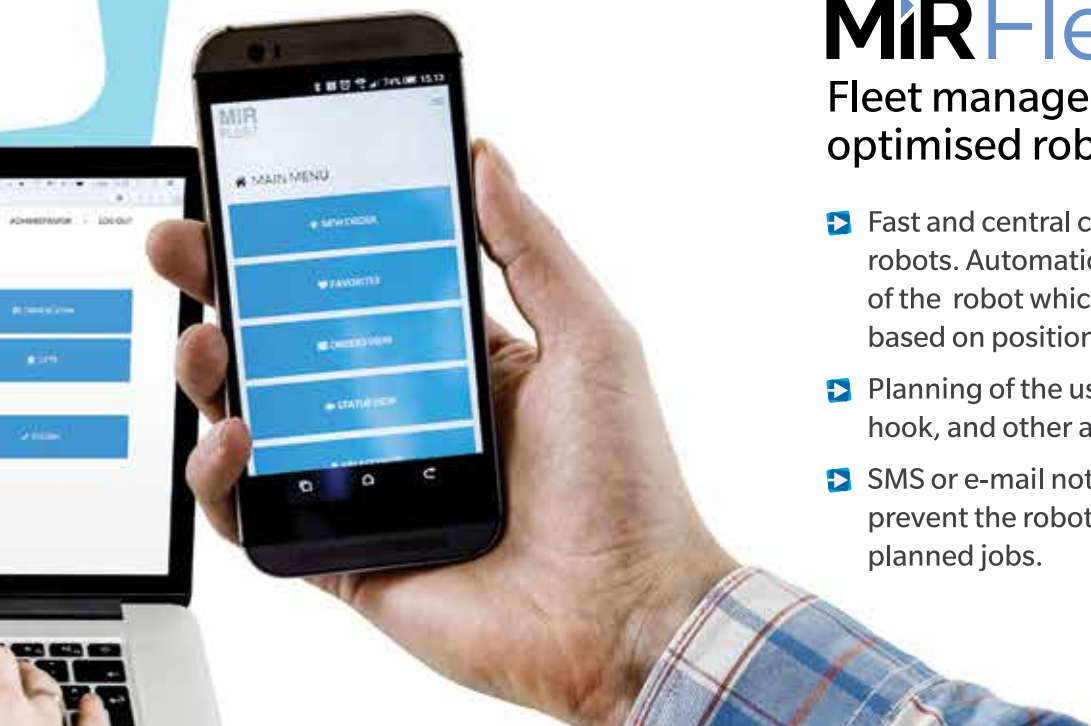
The MiR mobile robot moves and connects autonomously to the charging station.



## MiRFleet™

Fleet management for optimised robot traffic

- Fast and central configuration of a fleet of robots. Automatic prioritisation 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.
- SMS or e-mail notifications if obstacles prevent the robots from completing the planned jobs.





**KONICA MINOLTA**

Konica Minolta Business Solutions Australia Pty Ltd

Free Call 1800 789 389

[konicaminolta.com.au/robotics](http://konicaminolta.com.au/robotics)



FOR THE EARTH. FOR THE FUTURE.

## New South Wales

Konica Minolta House  
4 Drake Avenue  
Macquarie Park NSW 2113  
(02) 8026 2222

## ACT

1/55 Wentworth Avenue  
Kingston ACT 2604  
(02) 6206 6500

## Victoria

Level 5, 441 St Kilda Road  
Melbourne VIC 3004  
(03) 8699 0777

## South Australia

L1 84 Greenhill Road  
Wayville SA 5034  
(08) 8231 2911

## Queensland

Level 9, 100 Skyring Terrace  
Newstead QLD 4006  
(07) 3872 9100

## Western Australia

140 Hay Street  
Subiaco WA 6008  
(08) 6380 3700

About Konica Minolta Business Solutions Australia

Konica Minolta is a global provider of integrated business solutions that delivers innovation through digital manufacturing and automation solutions. We offer a wide range of leading solutions that help manufacturers improve efficiency, deliver advanced products to their market faster, and improve workflows through automation, integration and collaboration. Konica Minolta Australia delivers industry leading professional support and financial services, through both our global infrastructure, and our wide local network of offices and dealers.



Cert No:  
12 310 50050 TMS  
ISO/IEC27001:2013



Cert No: 2015-2-2299  
ISO 9001: 2008  
Cert No: 2015-06-38  
ISO 14001: 2004