

AMR

Autonomous Mobile Robot

- Safe and efficient material movement
- Payload 100 kg
- Charging time 8 minutes
- Max. speed upto 2m/s
- Run time upto 4 hours
- High performance with maximum safety

Picking, tugging, and material movement

Our robust autonomous mobile robot powered by natural navigation, enables efficient and seamless material movement of up to 100 kg. Robots communicate through DDS amongst each other and to fleet manager on 5G. It adheres to global safety standards EN 1525:1997, ANSI/ITSDF B56.5-2019 and SIL 3, CE and UL Certified and it has Seamless integration interface with any ERP/WMS/WCS and VDA 5050 compliant for any fleet management system.

Benefits

MAXIMUM EFFICIENCY: route optimisation and 24/7 operation for increased productivity. Error reduction and scalability for an efficient and adaptable system.

IMPROVED SAFETY: reduction of accidents and prevention of injuries in hazardous environments. Continuous monitoring and promotion of a safety culture in the workplace.

FLEXIBILITY: adaptability to different environments and a wide range of tasks for versatile use. Customisation and integration with existing systems to meet specific needs.

COST EFFICIENCY: increased productivity for a better return on investment. Low maintenance costs and improved cash flow for greater profitability.

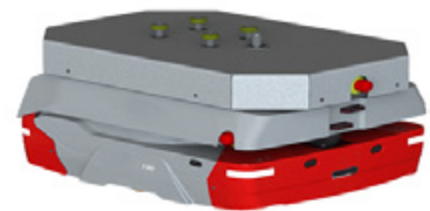
Technical data

Turning radius	360° on site
Object detection system	2D LIDAR
Navigation	Natural Navigation
Operating mode	Auto / Manual
Precision Docking (mm)	+/- 10
Positioning Accuracy (mm)	+/- 20
Drive type	Differentia

Conveyor Belt Top



Tunneling



Tugging



Lifting

