

Intelligent. Easy. Cost-Effective. Transportation.



AMR



The MagMover® is an autonomous mobile robot (AMR), that can handle payloads up to 90 kg. It is designed for usage in environments where people move and unexpected obstacles can occur.

Navigation



The Transporter has intelligent navigation and motion control. Combined with a software for automatic map generation and orientation, the mobile robot moves autonomous and safe inside a defined working area. Based on the abilities of the Transporter modifications to the shopfloor are not necessary.

Superstructure MagMover



The axis kinematics is suitable for PCB magazines with a transport weight of up to approx. 60 kg. This enables transferring PCB magazines to passive PCB loaders (machines).



MMM 08703 MagMover



MTL 08713 Lift

Superstructure Lift



The electrical lift system has 1.600 mm stroke and can lift payloads up to 35 kg. It enables multiple applications where the pick up and hand over positions for load carriers are on different heights.

Fleet Management



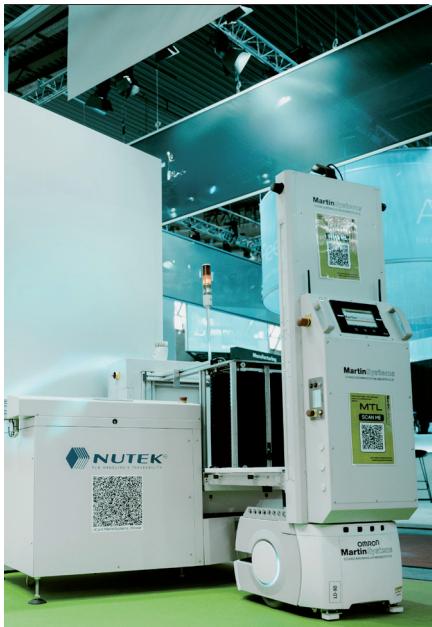
The fleet management tasks are executed by intelligent software that performs traffic control, job distribution and navigation of the robots. It constantly monitors all robots regarding their position, orientation and status. Based on this data the software determines which robot has to perform the next task to ensure the best possible flow of goods.

Application



A very broad range of applications. Especially suitable for material transport in production, logistics, and automation. Also available in cleanroom classes. Ideal when systems and machines are spaced apart and the material flow should be closed. Ideal for transporting PCB magazines, trays, and KLTs. Further options available upon request.

Technical Data

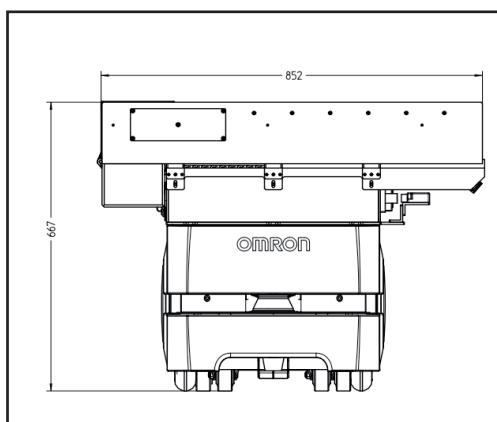


Mobility Overview

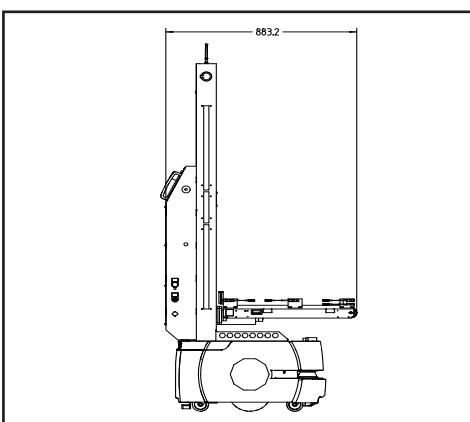
| | Speed (max.) | Wheels | Control | Radius Interfering | Traversable Gap | Traversable Step |
|-------|--------------|---------------------------|--------------|--------------------|-----------------|------------------|
| LD90 | 1.350 mm/s | abrasion resistant rubber | Differential | 343 mm | 15 mm | 15 mm |
| LD250 | 1.350 mm/s | abrasion resistant rubber | Differential | 760 mm | 15 mm | 15 mm |

Power Supply

| Voltage | Capacity | Run Time | Recharge Time | Life Expectancy | Charging Method | User Voltage |
|--------------------|----------|----------|---------------|-------------------------------------|-----------------|---------------|
| 24 VDC LiFe P04 | 60 Ah | 16 h | 3,5 h | 7 years (16hrs./day, 5 day/week) | Automatic | 5, 12, 24 VDC |



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Scan and watch video:



all data can be rounded, may vary and are without warranty. Changes are reserved.