

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



Options.

- Positioning System (HAPS) to move in applications that require tight tolerances
- Cell Alignment Positioning System (CAPS) for a fast position recognition and high accuracy
- Fixed push-buttons to activate a movement command
- Call-Button for integrate from roll-up door, request elevator, request device, manual workstations etc.)
- Light beacon to display the running status
- Remote access in case of any disruption with END-to-END connection
- ESD, Cleanroom
- Supermarket systems for storing load carriers

In- / Outputs.

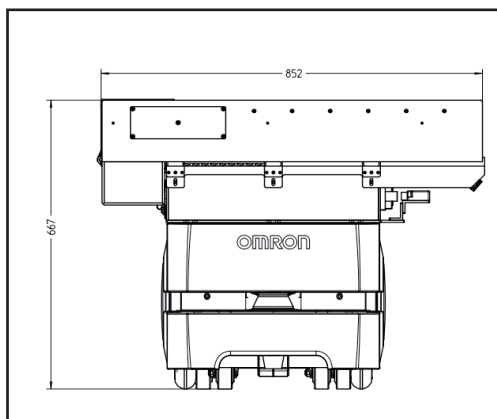
W-LAN 802,11 a/b/g, 2 antenna
Gigabit Ethernet
USB (3x)
RS-232 (2x)
16 digital In- und Outputs
4 analog In- and Outputs
Light Pole
Emergency Stop Button

Mobility Overview

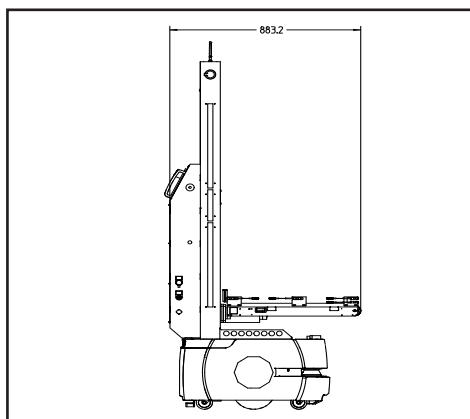
	Speed (max.)	Wheels	Control	Radius Interfering	Traversable Gap	Traversable Step
LD90	1.350 mm/s	abrasion resistant rubber	Differential	343 mm	15 mm	15 mm
LD250	1.350 mm/s	abrasion resistant rubber	Differential	760 mm	15 mm	15 mm

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.