

**Intelligent. Easy. Cost-Effective. Transportation.**

## AMR



The MagMover® is an intelligent autonomous moving robot (AMR), which at this size is suitable for payloads up to 40kg.

It is designed for use in environments where people are moving and unexpected obstacles may 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.

## Fixed conveyor belt

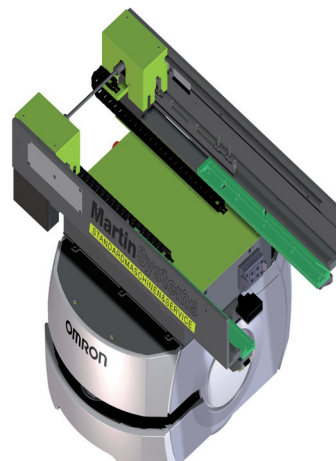


The axle kinematics actively pick up containers.

Ideally are e.g. containers and PCB magazines with dimensions max. (LxW) 600mm x 400mm and a maximum weight of 40kg.



MMM 08703 MagMover SL



MMM 08703 MagMover SQ

## Conveyor belt with lift



The Axle kinematic is mounted on a lift.

Due to the infinitely adjustable transfer height, the heights of the pick-up and drop-off positions can vary and cover a height difference of up to 2,000mm can be realized. This makes the application universally applicable.

## 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.

## Field of application



The Transporter offers a wide range of applications in multiple sectors.

It can unfold its full potential by linking machinery and manual workstations with different types of storage facilities. For applications in the food and health sector the transporter is available as a clean room version.

## Technical Data



MMM 08703 MagMover SL

### 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

### In- / Outputs.

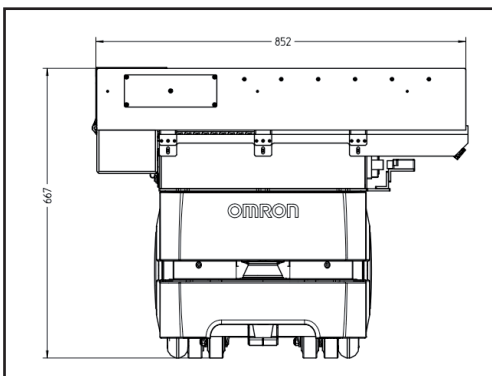
W-LAN 802,11 a/b/g, 2 antenna  
Gigabit Ethernet  
USB (3x)  
RS-232 (2x)  
16 digital In- und Outputs  
4 analog In- and Outputs  
Light Pole  
Emergency Stop Button

## Mobility Overview

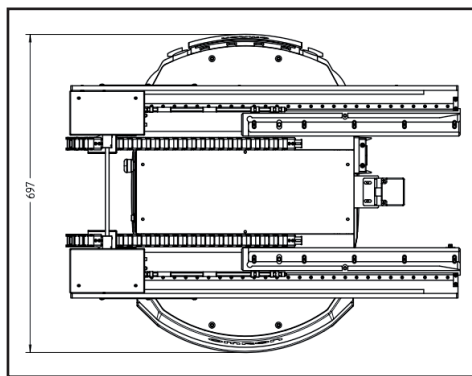
|       | Speed (max.) | Wheels                    | Control      | Radius Interfering | Traversable Gap | Traversable Step |
|-------|--------------|---------------------------|--------------|--------------------|-----------------|------------------|
| LD90  | 1.350 mm/s   | abrasion resistant rubber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

## Power Supply

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



MMM 08703 MagMover SQ



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Scan and get more information:



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