

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 (LxW) 600mm x 400mm and a maximum weight of 40kg.

MMM 08703



MAH 08652-10



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



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
- ▣ Wireless communication to Machines

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

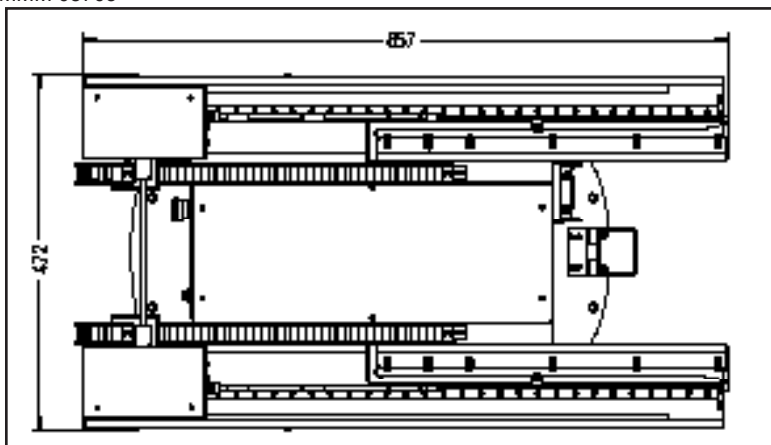
Mobility Übersicht

	Speed (max.)	Wheels	Control	Radius Interfering	Traversable Gap	Traversable Step
LD90	1.550 mm/s	abrasion resistant rubber	Differential	343 mm	15 mm	15 mm
LD250	1.200 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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