

Intelligent. Easy. Cost-Effective. Autonom. Transportation.

AMR



The MBT 08824 is an autonomous mobile robot (AMR) that can handle payloads up to 850 kg. It is designed for usage in environments where people move and unexpected obstacles can occur.

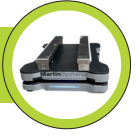
Navigation



The AMR has intelligent navigation and motion control. Combined with a software for automatic map generation and orientation, the mobile robot moves autonomously and safely inside a defined working area.

Based on the abilities of the MBT modifications to the shopfloor are not necessary.

Pallet lifting module



Thanks to the electrically powered and ultra-flat pallet short-stroke module, the AMR is capable of handling pallets from transfer points by driving under the pallets and lifting them.



Safety



Safety and efficiency according to ISO 3691-4.

The FlatMover can be used reliably in various applications.

Integration into existing logistics and production systems for smooth operation is ensured.

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



Very wide range of applications, thanks to standardized pallet format.

Suitable for all types of material transport in production, logistics and automation.

Ideal for bridging long distances or when systems and machines are set up at a distance from each other and the material flow is to be closed.

Technical Data



Features.

- Electric pallet lifting module
- automatic charging station
- Lidar for navigation
- 360° security sensor technology

Panel.

7-inch LCD-Display

Control.

SPS

Interfaces.

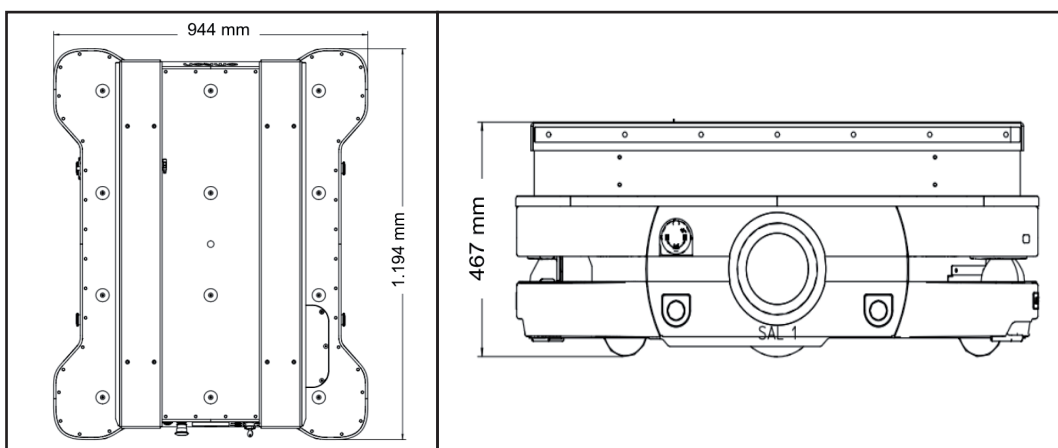
W-LAN 802,11 a/b/g/n/ac
Ethernet Ports (1xMaintenance,
1xUser, 2xInternal)
Emergency Stop Button

Review

Pallet weight max.	Height	Lifting time	Velocity	Rotation radius
approx. 850 kg	approx. 450 - 500 mm	approx. 10 Sek./50 mm	max. 1,8m/Sek.	approx. 1,6 m

Battery

Battery	Capacity	Type	Run time (loaded)	Recharge time	Charging Method	Power Supply
24 VDC	38 Ah	LiFePO4	ca. 8 h	<30 min.	Automatic	400V



MBT 08824

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Scan and get more information:



All data are approximate and can vary. Changes are reserved.