

Intelligent. Easy. Cost-Effective. Transportation.

## AMR



The Transporter is an intelligent autonomous moving robot (AMR), which at this size is suitable for payloads up to 90kg.

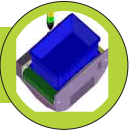
It is designed for use in environments where people are moving and unexpected obstacles may occur.

## Navigation



With intelligent navigation and motion control and software that provides automatic map generation and routing, the transporter navigates autonomously and safely within a defined traffic area. No modifications or extensions to buildings or infrastructure are necessary.

## Fixed conveyor belt



Thanks to the driven conveyor belt, the transporter is able to transport goods from any pick-up position to any drop-off position and also actively transfer them. Ideally, load carriers with dimensions (LxW) 600mm x 400mm are suitable for this purpose.

MTT 08446



MTL 08469



## Conveyor belt with lift



This height-adjustable conveyor covers a height difference of up to 500mm. This allows the heights of the pickup positions and drop-off positions to vary. This makes the transporter universally applicable. The lift system, depending on the lifting speed, has a maximum load of 35kg.

## Fleet management



Specially developed software takes over traffic control, job distribution and control of the transporters. It distributes transport requests to the most favorably priced transporters available at any given time and compares the vehicles' routes in terms of the distance they need to travel to their destination.

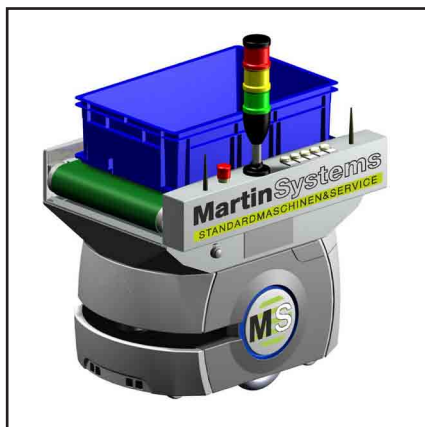
## Field of application



Very wide range of applications. Particularly suitable for material transport in production, logistics and automation. Also available in clean room class ISO4.

Ideal when plant and machinery are located at a distance from each other. Allows flexible inter-linking of workstations, thus enabling new production layouts.

## Technical Data



### Options.

High Accuracy Positioning System (HAPS) for precise positioning

Cell Alignment Positioning System (CAPS) Fixed push-buttons to activate a movement command

Call-Button to configure two digital In- and Outputs (e.g. open roll-up door, request elevator, request device, etc.

Light beacon to display the running status

Remote access in case of any disruption with END-to-END connection

### In- / Outputs.

W-LAN 802,11 a/b/g, 2 antenna

Gigabit Ethernet

USB (3x)

RS-232 (2x)

16 digital In- and Outputs

4 analog In- and Outputs

Light Pole

Emergency Stop Button

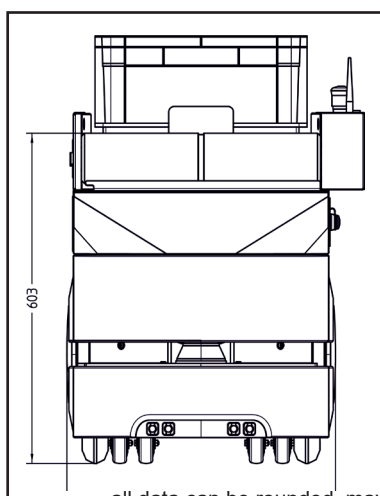
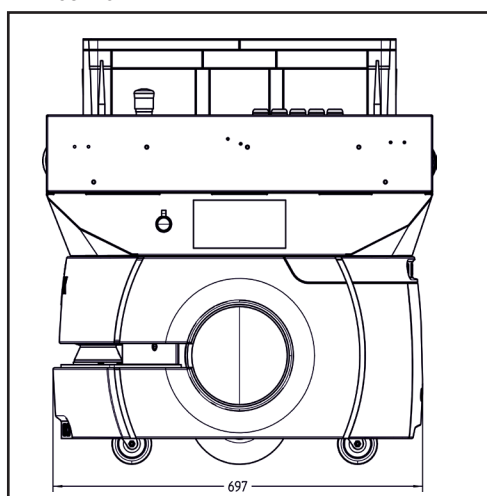
## Review LD90

Speed (max.)	Wheels	Control	Radius Interfering	Traversable Gap	Traversable Step
1.800 mm/s	Abrasion Resistance Rubber	Differential	343 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 (option)	5, 12, 20 VDC

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