

Caesar PN-0,5 Mr

DRIVERLESS



Type of vehicle

- High-lift fork truck
- High-shift stacker
- Straddle truck
- Telescoping mast stacker
- Spreader stacker
- Drawbar stacker
- Teleskoping fork stacker
- Side shift stacker
- Narrow-aisle stacker
- High-rack stacker
- Tractor
- Drive-under tractor**
- Platform truck
- Other

Special equipment

- RFID-/barcode reader
- Weighing function
- Metering function
- Roll conveyor
- Belt conveyor
- Chain conveyor
- Flexible load handling
- Cover lift
- Dual operation
- Stainless steel vehicle**
- Clean room vehicle
- Outdoor vehicle
- Heavy-duty vehicle
- Set-down point/
container recognition**

Application example Lübeck University Hospital

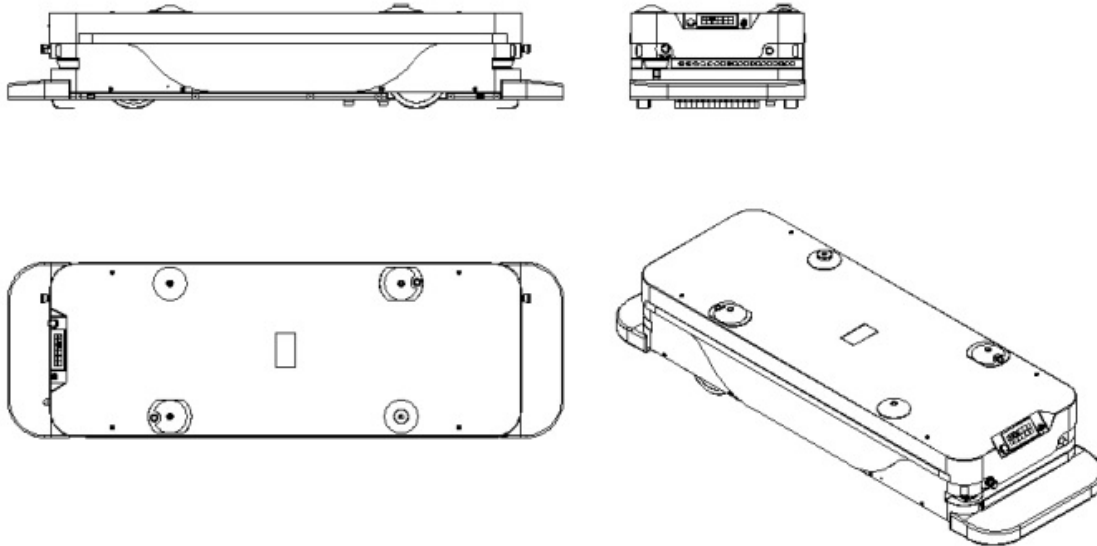
MLR has implemented an automated material transport system (AMT) that encompasses the food preparation, laundry supply, pharmacy, and materials handling areas.

The main AMT route is located on Level O2 of the basement. It is a closed loop and incorporates all elevators, which enables vertical distribution. Containers are stored in a block storage area that the vehicles manage fully automatically. Each of the 250 container storage spaces is modeled in the management system with the identity of its current container, and is shown on a dynamic graphic display.

The 32 stainless steel AGVs are designed as load-lifting vehicles. They pick up and drop off the containers at floor level. The scope of supply also included guide conveyors for entering and exiting the elevators.

The AMT system is controlled by the control and management software LogOS Hospital from MLR, which performs operational planning and coordinates the traffic flow of the 32 automated vehicles, and integrates the materials handling systems, elevators, and fire protection doors into the system.

Technical data



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Length	1,923 mm
Width	606 mm
Height	336 - 426 mm
Weight (with battery)	340 kg
Load capacity	500 kg
Ground clearance	30 mm beneath the vehicle frame
Speed	Forward 1.5 m/s Backward 1.5 m/s
Battery	Lithium Ferrum Polymer Battery, 24 V, 100 Ah
Protective devices	Laser scanner front and rear, front and rear bumpers, E-stop buttons front and rear
Appropriate loads	Hospital container Dimensions: max. 1,470 x 900 x 1,781 (L x W x H) Weight: max. 500 kg
Special features	Set-down points, container recognition