

Caesar N-0.5 Mr

DRIVERLESS



Type of vehicle

- High-lift fork truck
- High-shift stacker
- Lift stacker
- 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
- Other

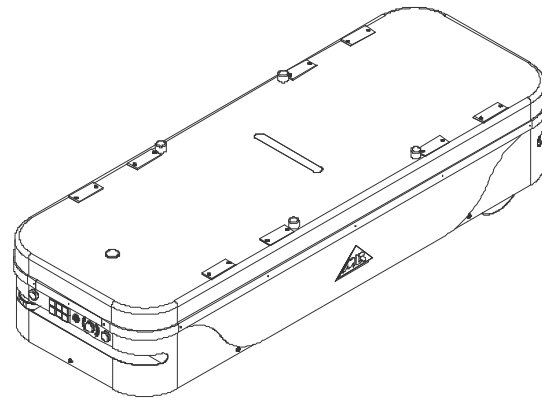
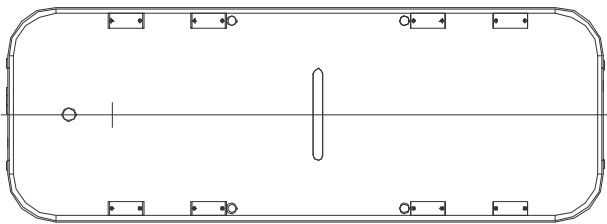
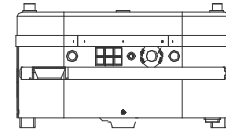
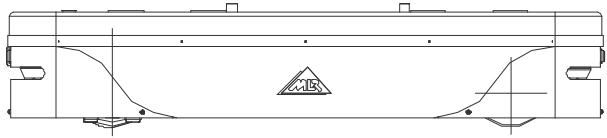
Application example Oslo University Hospital

For the Nye Akershus University Hospital near Oslo (Norway), MLR has implemented an automated material transport system (AMT), where the CAESAR series drive-under tractors navigate freely and move goods from the main receiving areas (kitchen, laundry, pharmacy, sterilization center) to the examination, treatment, and care areas.

The extensive system includes 22 freely travelling stainless steel vehicles, automated materials handling systems, transfer station equipment, a container washing system with vertical conveyor and 250 containers of various designs.

The AMT system is controlled by the LogOS Hospital control and management software from MLR, which performs operational planning and coordinates the traffic flow of the 22 automated vehicles and integrates the materials handling systems, elevators, and fire protection doors into the system.

Technical Data



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Dimensions (l x w x h)	1.975 x 608 x 351,5 mm
Load capacity	500 kg
Ground clearance	30 mm
Drive	24 V/0.7 kW AC
Speed	1.7 m/s
Brake	Magnetic parking brake
Chassis	3-wheel vehicle; front: wheel hub drive; rear: back wheels with measurement device
Positioning accuracy	+/- 10 mm
Load	Containers
Energy supply	AGM battery 24 V/200 Ah, no gas emissions and maintenance free
Battery charging	Automatic on board
Data transfer	WLAN 2.4 GHz
Navigation	Magnetic
Safety equipment	Laser scanners and soft bumpers in both directions