

Phoenix AH-1,2 Mr

DRIVERLESS



Type of vehicle

- High-lift fork truck
- High-shift stacker
- Straddle truck
- Telescoping mast stacker
- Spreader stacker
- Counterbalance stacker r
- 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 Wernsing

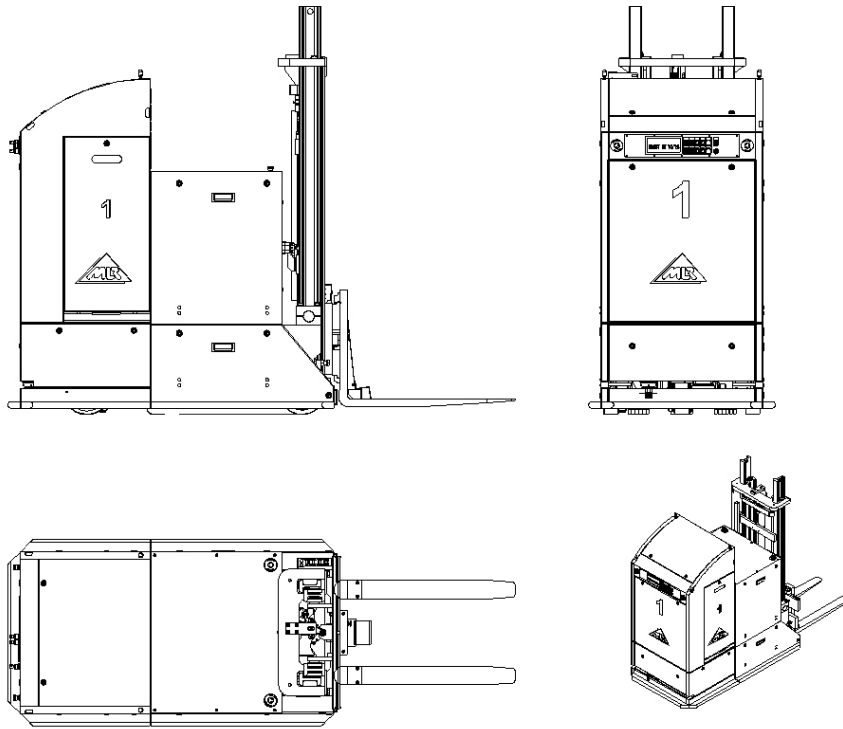
MLR developed and implemented an automated guided vehicle system (AGVS) for the pharmaceutical company Pfizer that connects individual functional areas where production, filling, commissioning, packaging, storage, and shipping take place. The Phoenix model freely navigating vehicles transport loaded aluminum pallets, Europallet and disposable pallets, and stainless steel and hazardous goods containers.

The automated guided vehicle system is controlled by MLR's proprietary management and control software, LogOS. It manages all the vehicles and locations, load changes, workstations and battery charging stations. It sends the vehicles to the

waiting position or the battery charging station as needed. It controls the installed rapid action doors, and monitors the fire protection doors and extinguishing system.

Data are transmitted between the main computer and the vehicles via a full-coverage local Wifi radio network.

Technical data



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Dimensions	Length: 2,717 mm Height: 2,185.5 mm (raised: 3,133 mm) Width: 1,000 mm including side strip sensors
Load capacity	1.200 kg
Ground clearance	35 mm beneath the vehicle frame
Speed	Forward 1.0 m/s Backward 1.0 m/s
Battery	Li-Ion battery 44.4 V/280 Ah
Appropriate loads	Various goods on pallets Dimensions: max. 1,140 x 1,140 mm (L x W)
Navigation	Free magnetic
Protective devices	Laser scanners at front and rear, two E-stop buttons at front and rear, strip sensors on the sides and front