

Phoenix KGLT-1,0 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
- Other

Application example Porsche

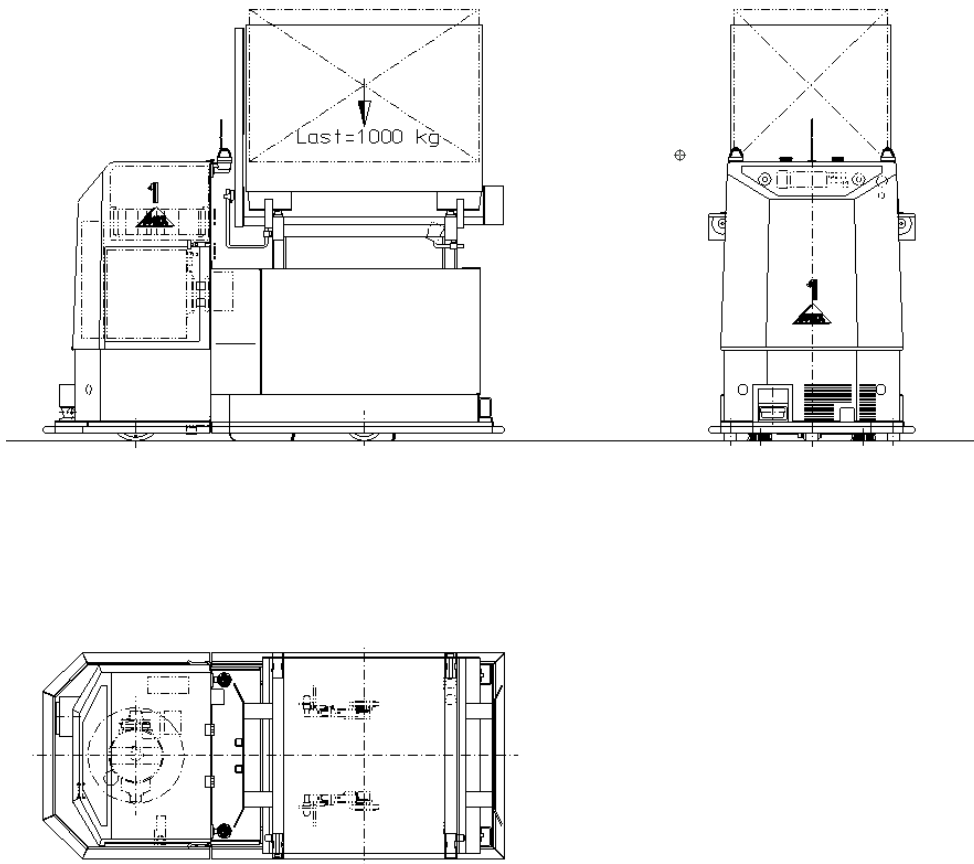
At Porsche there are 14 magnetic-guided automated transport vehicles that connect the automated warehouse areas with the production floor.

The Phoenix KGLT-1.0 M vehicles bring standardized pallets and lattice boxes from the high-bay warehouse to a total of 21 transfer stations. These are equipped with dual-chain conveyors that take the loads from the transfer point via a pusher device.

MLR's own management and control software handles all vehicle, order, and routing administration. It also controls the conveyors and building systems, including fire protection doors.

LogOS also manages the vehicle batteries. As soon as a battery needs a charge, the vehicle moves to a battery change-out station. The empty battery is pulled out automatically and placed on a shelf by a shelf stacking device. The charging process starts automatically. At the same time, a charged battery is taken out and automatically placed in the waiting vehicle.

Technical data



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Dimensions (l x w x h)	2.410 x 1.080 x 2.150 mm
Load capacity	1.000 kg
Ground clearance	30 mm
Drive	48 V/1,2 kW AC
Speed	1,66 m/s
Brake	Magnetic parking brake
Chassis	3-wheel vehicle; front: Wheel hub drive; rear: Support wheels and measuring wheels
Load	Standardized pallets, lattice boxes
Load Suspension Device	Chain conveyor
Positioning accuracy	+/- 10 mm
Energy concept	Lead acid batteries 48 V/240 Ah
Battery charging	automatic
Data transfer	Wifi 2,4 GHz
Navigation	Magnet
Safety equipment	Laser scanner at the front and rear, strip sensors all around