

# Phoenix RH-1,2 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

### Bellheimer Metallwerke (Kardex Group)

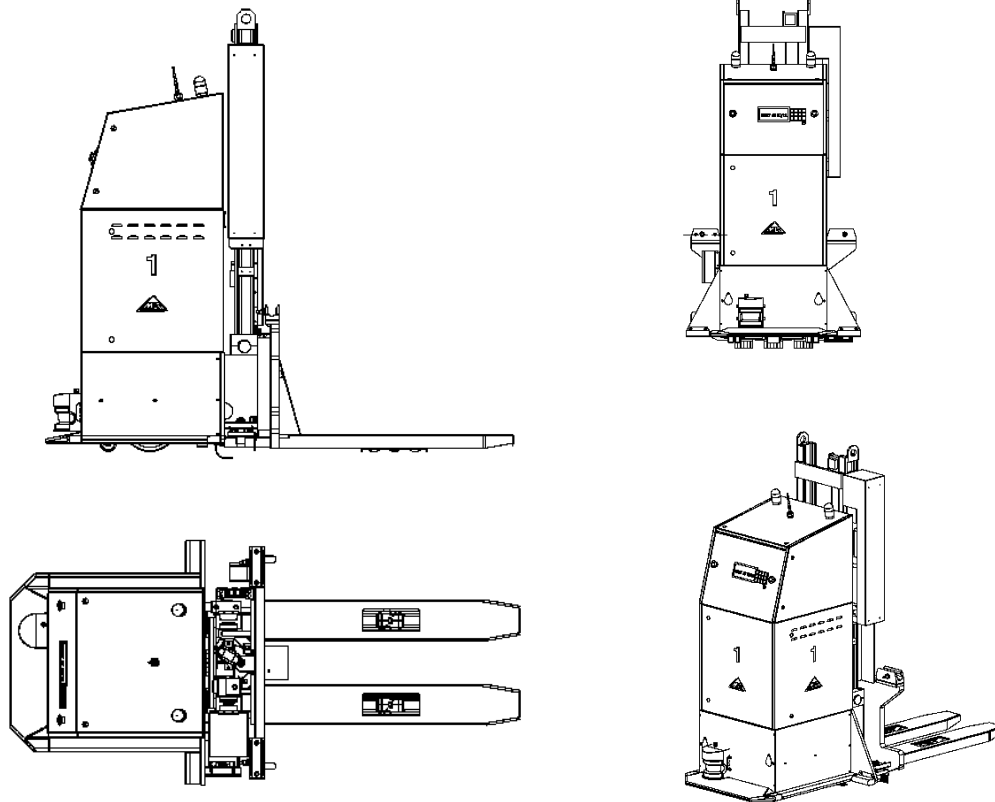
At Bellheimer Metallwerke, part of the Kardex Group, an automated guided vehicle system (AGVS) from MLR transports the edged galvanized sheets from prefabrication to final assembly.

As soon as a roller cart has been completely loaded in the prefabrication area, a transport order is initiated, and an automated guided vehicle picks up the material autonomously and places it in the dynamic high-rack storage system. With specially designed, contoured nests on the lifting unit, the vehicle picks up the rolling cart, pulls it to the shuttle, and places it down in front of and parallel to the shuttle.

It then moves to the long side, slides under the rolling cart from the side this time, and pushes the cart into the shuttle.

The full trays are automatically removed and replaced with empty ones. The rolling cart is lifted off of the shuttle and carried away. Control and coordination of the automated guided transport vehicles are performed by the dedicated MLR control system LogOS, using the LogOS-AGV module.

# Technical data



## Phoenix RH-1,2 Mr

Dimensions (l x w x h)	2.268 x 1.100 x 1.903 mm
Lift weight	1.200 kg
Drive	48 V/1,2 kW AC
Speed	1,5 m/s
Brake	Magnetic parking brake
Chassis	3-wheel vehicle; front: wheel hub drive and steering wheels; rear: pallet roll units
Positioning accuracy	+/- 2 mm
Ground clearance	30 mm
Energy concept	NiCd-battery 48 V/60 Ah
Battery charging	automatic
Data transfer	Wifi 2,4 GHz
Navigation	Free magnetic
Safety equipment	Laser scanner front and rear, bumpers at front and sides