

# Phoenix RN-2,0 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
- Straddle truck**

## 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
- Hydraulic cylinder**

## Application example SDF (Same Deutz-Fahr)

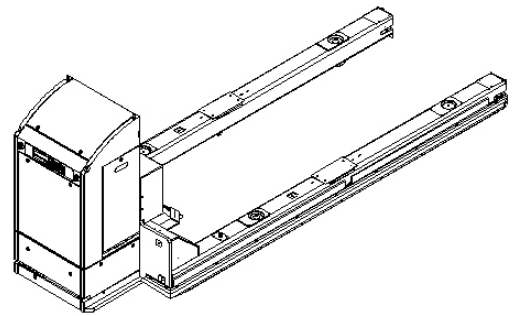
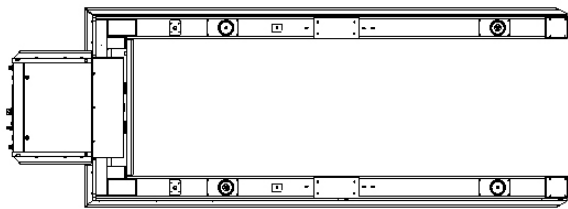
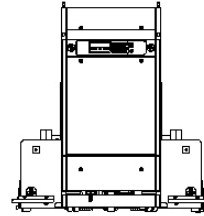
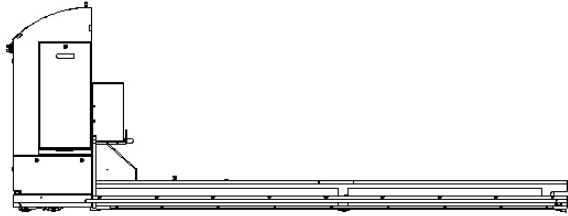
The tractor manufacturer Deutz-Fahr is part of the Same corporation and has built Europe's most modern factory for manufacturing large tractors in Lauingen, Bavaria. An automated guided transport system (AGVS) from MLR transports skids from a turntable to the setup station for the hydraulic testing system.

The tractor bodies are moved to the hydraulic testing system on skids and then transported through a total of eleven stations by a conveyor. At the end of the conveyor, the tractor body is picked up by an electric suspended conveyor and moved to the next production station.

The empty skid is picked up by an automated guided straddle truck and returned to the beginning of the conveyor. There a freely navigating vehicle drives under the skids with its forks, lifts them with four hydraulic rams, and carries them to the conveyor system setup station.

If needed, the automated vehicle is also capable of towing a technical cart guided in a slot.

# Technical data



## Phoenix RN-2,0 Mr

Dimensions (l x w x h)	3,940 x 2,479 x 1,075 mm
Weight	2,800 kg (with battery)
Loud capacity	2,000 kg
Ground clearance	30 mm beneath the vehicle frame
Speed	1.6 m/s forward and reverse
Energy concept	Lead battery 48 V/ 270 Ah
Protective devices	Strip sensors on the front structure and the straddle legs; Laser scanner front and rear; E-stop buttons on the front and rear, centered on the straddle legs
Appropriate loads	Skids Dimensions (l x w x h): max. 3,850 x 1,180 x 662 mm; Weight: max. 2,000 kg