

# Phoenix SS-3,4 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

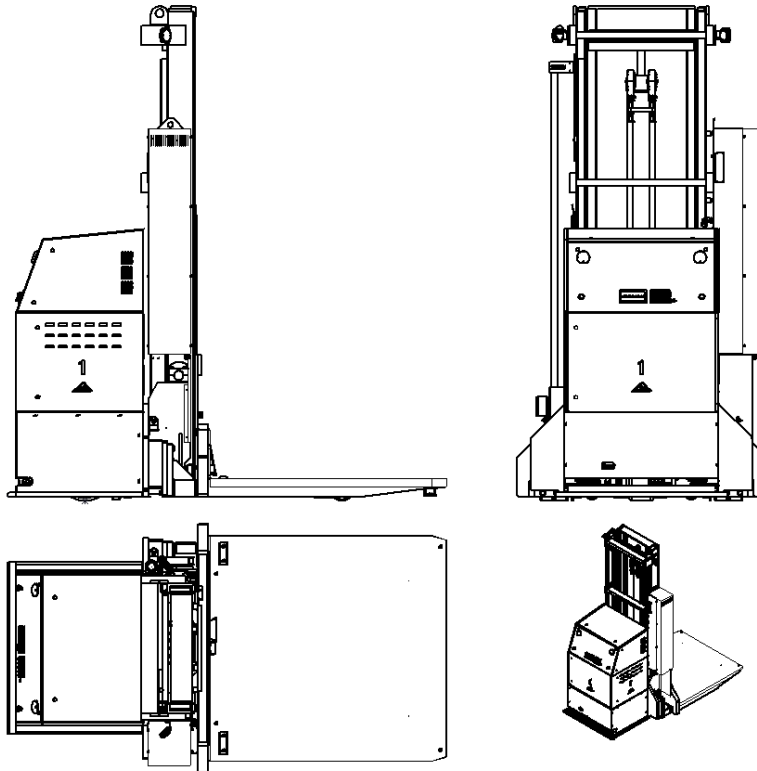
## Application example Obersteirische Molkerei

At the dairy in Upper Styria, an automated guided vehicle system (AGVS) handles the transportation of ripening frames in the cheese-ripening center. The entire system, which handles about 3600 cheese blocks an hour, is designed to operate 24 hours a day, around the clock.

The automated straddle trucks pick up frames filled with cheese blocks and weighing up to 3.35 t at the transfer stations and move them to the cheese processing machines. They also handle transportation of frames to the configuration and packaging areas. To do so, they pass through fast-acting gates that open automatically as a vehicle approaches and close again immediately when it has passed through.

Besides controlling the vehicles, the fast gates, and the linked conveyor systems, MLR's own LogOS control and management system also handles the administration of cheese blocks. LogOS captures the incoming goods and takes them through a precise sequence of detailed cheese processing steps. When a batch is checked in to the ripening center, it is assigned a recipe that is then executed by the LogOS management system. The frames are transferred to the cheese-processing machine according to the instructions in the recipe, processed there, and then returned to storage in various ripening chambers by the automated guided vehicles.

# Technical data



## Phoenix SS-3,4 Mr

Dimensions (l x w x h)	3,269 x 1,850 x 3,690 mm/5,880 extended
Tare weight	6,400 kg (with battery)
Load capacity	3.350 kg
Ground clearance	28 mm beneath the vehicle frame
Speed	1.2 m/s forward and reverse
Load	Ripening frame for cheese Dimensions: 2,215 x 1,750 x 2,395 mm Weight: 3,350 kg
Energy concept	Lead acid battery 48 V/630 Ah
Navigation	Free magnetic
Data transfer	Wifi 5 GHz
Safety equipment	Laser scanners at front and rear, E-stop buttons at front and rear Strip sensors on the sides and front