

Phoenix PN-12 Lr

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

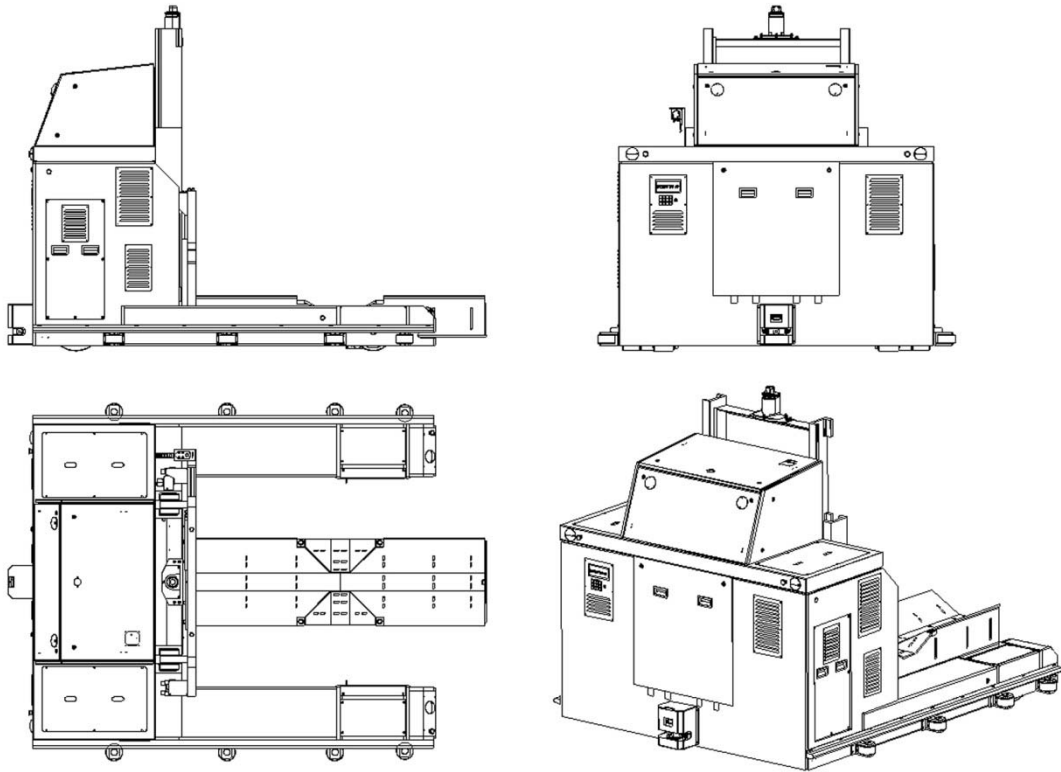
Application example Bomag

Bomag is a world market leader in compaction technology and manufactures equipment for the compaction of soil, asphalt and refuse. Bomag engaged the MLR group to plan and implement an automated guided vehicle system (AGVS).

The Phoenix forklift trucks navigate freely and transport loads weighing up to twelve tons within the new banding production area. In addition to the vehicles, MLR also supplied all of the infrastructure for the system.

The vehicles will be controlled by LogOS control and management software, developed in house by MLR, with an interface to Bomag's SAP R/3 system. It automatically generates driving commands for the AGVS.

Technical data



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Load	Bandings (2,400 x 1,920 mm)
Load capacity	12 Tonnes
Length of travel route	350 m
Load Suspension Device	High-lift fork
Speed	1.0 m/s
Battery	2 x 48V, 720Ah, PzS
Load transfer	15 stations at floor level
Navigation	Laser navigation
Safety	Laser scanner front/end
Controller	LogOS, rapid action door controls, load sensor, integration of SAP R/3