

Phoenix BG-3,2 Mr



Type of vehicle

- High-lift fork truck
- High-shift stacker
- Wide spread fork lift 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 conveyer
- Belt conveyer
- Chain conveyer
- Flexible load handling
- Cover lift
- Dual operation
- Stainless steel vehicle
- Clean room vehicle
- Outdoor vehicle
- Heavy-duty vehicle
- Other

Application example Haya Gewürzwerke

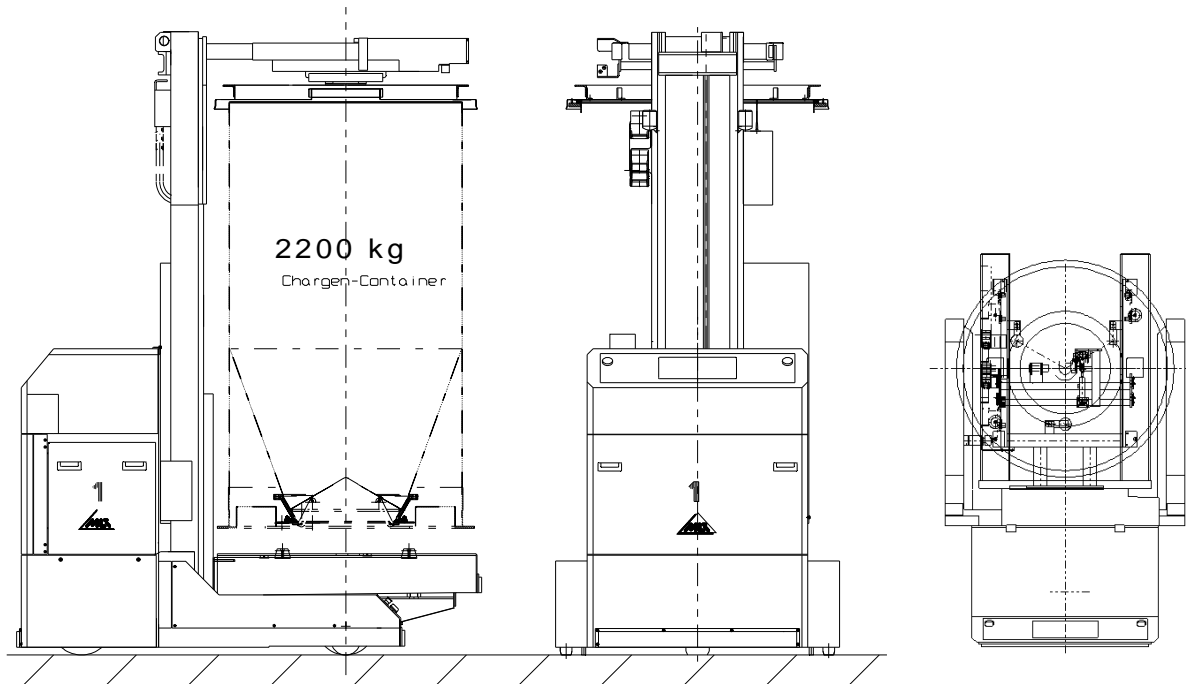
At Haya, a condiment manufacturer in Tyrol, four automated guided transport vehicles carry batch containers for condiment mixtures in a two-shift operation.

The vehicles have a special lifting unit with a scale built in. The 3.20 m high lift mast can be extended up to 3.57 m and is equipped with a patented cover-removal unit. The vehicles pick up the containers from a stationary conveyor and bring them to one of the 90 individual filling stations (up to 20 per batch), following the recipe provided by the PPS. The container cover is opened and the container is docked to the filler head.

The amount of raw material dispensed is weighed automatically while filling, which is how the filling process is controlled. The lift mast has load cells, including transducer units, for the individual shot and for the total weight of the container.

Radio is used for the overall communication between the main computer and the vehicles and for transmitting the scale data. The vehicles are equipped with magnetic navigation units and controlled by a PC at our LogOS control center. A higher-level host distributes batch orders to the main AGVS computer. An Oracle database for storing and administering recipes is integrated between the control center and the host.

Technical data



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Dimensions (l x w x h)	2.344 x 1.450 x 3.225 mm
Load capacity	2.200 kg
Load	Special container
Ground clearance	40 mm
Drive	48 V 1,55 kW DC
Speed	1,5 m/s
Brake	Magnetic parking brake
Chassis	3-wheel vehicle; front: Wheel hub drive; rear: Support wheels and measuring wheels
Load Suspension Device	Lifting unit with special structure and scale
Lift heights	1.800 mm
Lift drive	hydraulic
Positioning accuracy	+/- 10 mm
Energy concept	Lead battery 48 V/320 Ah
Battery charging	manual
Data transfer	Wifi
Navigation	Free magnetic
Safety equipment	Safety mats at front and rear