

Automated Guided Vehicles.

Indicators for use.



AGV – fully automatic, precise and reliable.

Based on tried-and-tested series trucks and controlled by intelligent software, Automated Guided Vehicles (AGVs) are the beating heart of automated logistics. They perform recurring tasks with large handling volumes across the entire production

and storage area fully automatically, precisely and reliably. Extensive safety sensors protect people, load and machines. This enables use of the automated vehicles in mixed operation.

Primary indicators for AGVs

- ▶ Multi-shift operation
- ▶ Continuous transport
- ▶ Standard loading devices (e.g. euro pallets, industrial pallets, lattice boxes)
- ▶ Lift heights up to 6 m / up to 13 m for automatic high-rack stackers
- ▶ Frequent transport damage caused by "manual transport"

Conditions of use for AGVs

- ▶ Enclosed, dry hall
- ▶ Hall temperature: 5 to 35 °C
- ▶ Lane width from 2 m (single lane) for automated trucks
Aisle width 1.8 m and transfer aisle 6 m for automatic high-rack stackers
- ▶ Industrial floors / narrow aisle floor for automatic high-rack stackers

STACKER TRUCK

ERC 213a / 217a

Highly manoeuvrable AGV suitable for standardised load aids and accessible stations:

- ▶ Low space requirement
- ▶ Lift height up to 4,400 mm
- ▶ Load capacity up to 1,700 kg

HIGH-RACK STACKER

ETX 513a / 515a

Flexible AGV for manual, semi-automatic or automatic use in high-bay warehouses:

- ▶ "Man-down" high-rack stacker
- ▶ Lift height up to 13.000 mm
- ▶ Load capacity up to 1.500 kg

PALLET TRUCK

ERE 225a

Powerful AGV, suitable for standardised load aids, multi-pallet transport and long distances:

- ▶ Multi-pallet transport
- ▶ Fork length up to 2,400 mm
- ▶ Load capacity up to 2,500 kg

COUNTERBALANCE TRUCK

EKS 215a

Versatile AGV suitable for closed loading devices and for non-accessible stations:

- ▶ Adjustable forks
- ▶ Lift height up to 6,000 mm
- ▶ Load capacity up to 1,500 kg

HIGH-RACK STACKER

EKX 514a / 516ka / 516a

Powerful AGV with the option of step-by-step automation of the very narrow aisle warehouse:

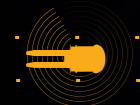
- ▶ "Man-up" high-rack stacker
- ▶ Lift height up to 13.000 mm
- ▶ Load capacity up to 1.600 kg

TOW TRACTOR

EZS 350a

Robust towing truck, suitable for towing multiple trailers. Compact dimensions for use in narrow aisles:

- ▶ Complete manual and automated operation possible
- ▶ Load capacity: up to 5,000 kg



Precise positioning through laser navigation or wire guidance technology and transponders for automated high-rack stackers.



A high degree of efficiency in multi-shift operation thanks to intelligent energy management.



Comprehensive safety sensors for use in mixed operation.



Everything from a single source: from planning and implementation to service and support.

ISO 9001 The German production facilities
ISO 14001 in Norderstedt, Moosburg
and Landsberg are certified.

 Jungheinrich trucks
conform to the European
Safety Requirements.

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