# 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

### **PALLET TRUCK**

#### ERE 255a

Powerful AGV, suitable for standardised load aids, multipallet transport and long distances:

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

#### **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 STACK TRUCK** EKS 215a

Versatile AGV suitable for closed loading devices and for nonaccessible stations:

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

#### **HIGH-RACK STACKER**

#### ETX 513a / 515a

Flexible AGV for manual, semiautomatic or automatic use in high-bay

- "Man-down" high-rack stacker
- Lift height up to 13,000 mm
- ► Load capacity up to 1,500 kg

## HIGH-RACK STACKER EKX 514a / 516ka / 516a

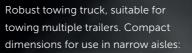
Powerful AGV with the option of step-by-step automation of the very narrow aisle warehouse:

- "Man-up" high-rack stacker
- Lift height up to 13,000 mm
- ► Load capacity up to 1,600 kg

#### **TOW TRACTOR**

#### EZS 350a

- operation possible
- ► Load capacity: up to 5,000 kg

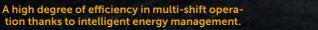


- Complete manual and automated

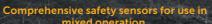














ISO 9001 The German production facilities in Norderstedt, Moosburg and Landsberg are certified.



Jungheinrich trucks conform to the European Safety Requirements.

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