

## Product description

# Storage monitoring, loading / removal from container

### Description

**Storage monitoring** enables the automated linking of load carriers and items. In this procedure, the employee is assisted by various types of signaling based on sorting or validation criteria.

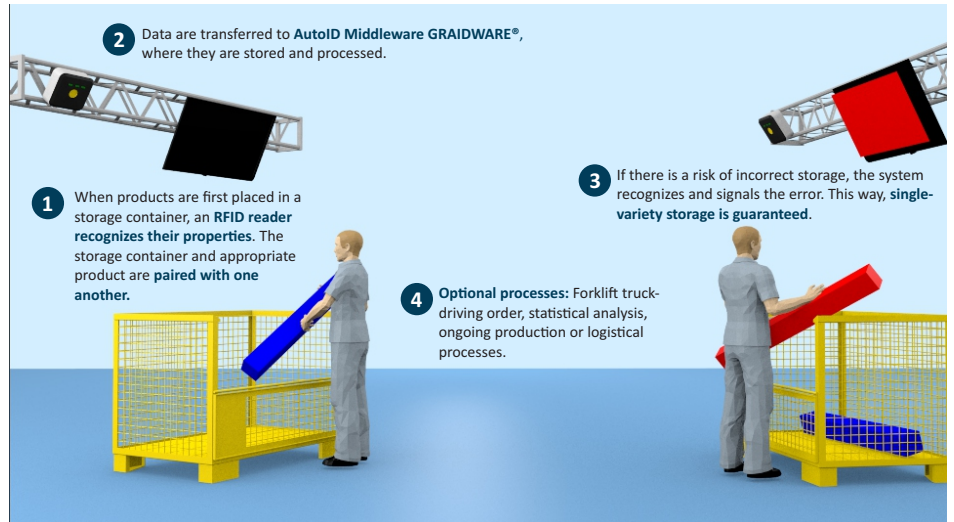
A typical scenario is single-variety container loading: the part stored first determines the sort. All ongoing parts are then tested by the software.

A terminal display is used to represent the entire procedure so that it can be traced and comprehended by the employee.

The GRAIDWARE<sup>®</sup> Middleware ensures that only process-relevant signals are recorded.

**Storage monitoring** can be linked with other processes in production or logistics, as when a special fill quantity initiates a forklift truck driving order.

**Third-party applications** (ERP, WMS or similar) can be connected, if, for instance, the movement of goods has to be entered in the system or recorded in terms of statistics for quality assurance.



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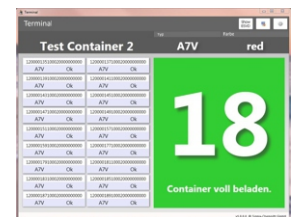
### Examples of visualizations at the terminal



Example: storage



Example: incorrect storage



Example: container complete

### Components

#### Hardware

- Two UHF-RFID readers per logistic load carriers
- Connector to link the readers with an industrial PC (IPC)
- Industrial PC (IPC)
- Power adapters
- Connecting cables
- Optional: switchboard, terminal, load carriers' recognition by means of HF reader

#### Software

- GRAIDWARE<sup>®</sup> add-on module container storage

### Advantages

- Avoiding erroneous storage through direct warning messages or signals
- High level of automation - manual production scanning becomes unnecessary

### Examples of application

- Production
- Order picking
- Logistics

### Functions

- UHF-RFID readers scan marked parts and load carriers
- Optional: linking the load carriers with the stored items
- Optional linking with follow-up processes, such as the creation of forklift truck driving orders for pick-up, statistical analysis or integration of additional AutoID-controlled processes

### System preconditions

- Items to be stored must be labelled with RFID transponders
- The GRAIDWARE<sup>®</sup> software requirements are applicable.

### Licensing

- Add-on module GRAIDWARE<sup>®</sup> container storage - site license

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