

Product description

Manual position identification

Description

Manual position identification makes it possible, for example, to record objects marked by RFID or bar codes that are situated on a transport rack or on painting skids, by means of mobile handheld systems.

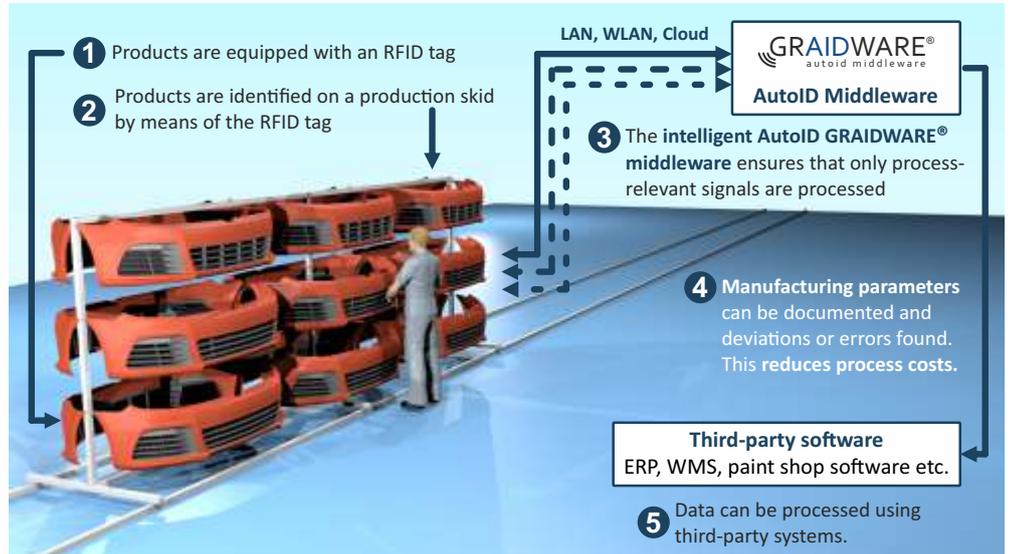
Scanning the objects in the predefined sequence, the exact product position on the rack is identified. This process facilitates the automated or manual guidance of transport skids.

Recording is controlled using an application on the mobile handheld system. The position results are visualised and made available in a history.

The data can be used for statistical analyses by third party systems (such as for quality assurance purposes).

The data can also be transferred to a painting program and synchronised with it in order to ensure correct quantities and equipment using correct components.

It is also possible to identify the painting skids and to logically connect the objects with the transport rack.



Version ENG 1.0
06.11.2015

Components

Hardware

- Handheld system (depending on the medium of identification: HF or UHF-RFID, bar code, data matrix, QR code)

Software

- GRAIDWARE[®] add-on connector for handheld devices

Advantages

- Recognition of deviations from nominal quality in post-process steps
- Display of process errors (e.g. if a defined position on a painting skid that is always painted incorrectly)
- Avoids repeating incorrect painting processes
- Reduction of production costs since scrap is avoided
- Processes become more transparent
- Logging of process parameters means that processes can be retraced at the product level

Examples of application

- Production control
- Painting system
- Processes, in which several load carriers are guided through a production step on a machine

Functions

- Recording of objects marked by means of AutoID on a trolley, skid/ rack or painting skid by scanning according to a predefined sequence
- Position recognition of objects
- Output of indicators/errors on the handheld user's screen
- Option: coupling enabled with machine connection for control (e.g. to stop the equipment in case of error/ breakdown)
- Option: double check to ensure the recorded objects and their positions match the upcoming painting program

System requirements

- Objects marked by AutoID on trolleys, transport skid, painting skid (such as RFID, bar code, data matrix, QR code)
- WLAN in the area of position identification
- Type of transport skid/ painting skid is transmitted via interface or manual input to GRAIDWARE[®]
- The requirements for GRAIDWARE[®] software apply.

Licensing

- Add-on GRAIDWARE[®] connector for handheld devices

Contact
 SIGMA Chemnitz GmbH
 Am Erlenwald 13, 09128 Chemnitz
 ☎ +49 371 2371-214 📠 +49 371 2371-150