

UFC KANBAN roller conveyor reader

The Kanban flow-through rack solution is used for convenient monitoring of material stocks in flow-through warehouses and is based on innovative HERMOS RFID reader technology. The system checks every single storage and retrieval process with an integrated stop mechanism. This guarantees that only authorized material is fed and removals are automatically detected. Retrofitting RFID technology into existing Kanban roller conveyors is possible without any problems.

Technology

RFID-UHF (ISO 18000-6c EPC Class 1 Gen2)

Components

- » RFID reader unit with integrated barrier and laser measurement at the roller conveyor entrance
- » Panel PC for visualization at the shelf
- » Cabling between panel PC and reader unit by PoE
- » Signal tower module can be implemented

Prerequisite

Ethernet connection and 230V power supply

Functions

- » Applicable to raw materials, auxiliary and operating materials, packing material
- » Permanent visualization of the shelf status
Consolidation of information from all roller conveyors
- » Use of the data for consumption data determination and automatic ordering
- » Value added booking of the production areas

Features

- » Integration into existing processes
- » Independent of shelf size and type
- » Individually adaptable and expandable

The highlights

Automatic interlocking & cycle security

Identification of the supplied Kanban boxes at the interlock. Rejection of the material not belonging to the shelf. Automatic registration of material withdrawals. Detection and prevention of incorrect returns.

Separate laser measurement within each roller conveyor.

Use of different container models, pack sizes and shapes within the rack through simple adjustment of parameters.

Touch panel PC

Direct display of rack occupancy, status information and stored goods details on the panel PC.

Data consistency

Recording of all stored goods on the shelf in a database
Automatic recognition of all removed goods after a power failure.

Customized sizes

Fast and easy implementation of the HERMOS solution for retrofits, new builds or extensions, regardless of rack manufacturer and type. Flexible design of rack expansion by changing the parameterization specifications. Fast and uncomplicated configuration of individual rack lanes.

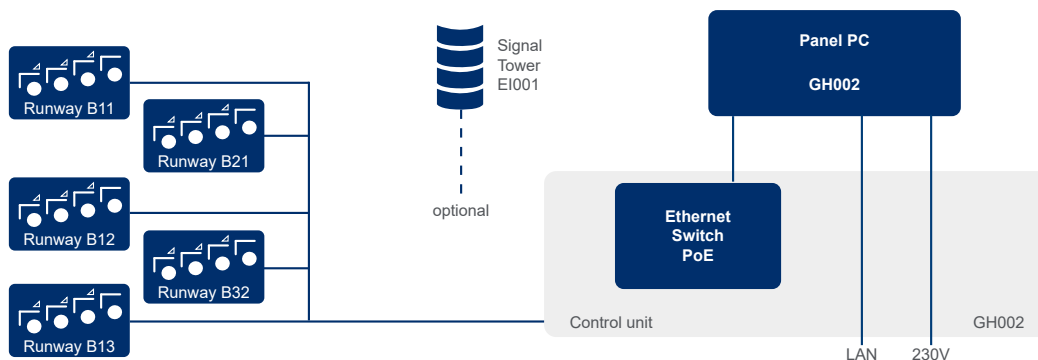
Easy process integration via Ethernet/

FISApplicationServer

Integration of the RFID solution into the customer network via Ethernet and individual connection to the existing ERP system. Updates and parameter changes can be entered via remote maintenance. Further advantages bring the optional use of the FIS ApplicationServer (HERMOS-own software for the manufacturer-independent connection of technical systems).

Streamlined processes - automate your order processes!

- » Optimization of material stocks and thus storage areas
- » Minimization of the administrative effort
- » Secure cycle through avoidance of booking errors



Technical data

Project dependent - technical data available on request.

