

SOLUTIONS FOR PALLET HANDLING

—→ SAFE, COST-EFFECTIVE AND FLEXIBLE

With its application and solution expertise, SICK can also offer added value in other areas of pallet handling.



Safety solutions for access protection in automated material transport
Prevention of accidents through reliable human-material-differentiation and high safety for workers with uninterrupted material flow: from safety light curtains with muting function to smart TÜV-certified safety systems.

Learn more:
sick.com/occupational-safety
—→



Sensor solutions for smart robotics
SICK Sensor technologies offer innovative and smart solutions for all challenges in the areas of Robot Vision, Safe Robotics, End-of-Arm Tooling and Position Feedback. We implement integrated automation and safety concepts for individual robot applications through to entire robot cells.

Learn more:
sick.com/robotics
—→



Automated processes with industrial trucks and mobile robots
Industrial trucks and mobile robots are standard in warehouses. Intelligent sensor solutions can significantly increase the efficiency, quality and safety of storage, retrieval and transportation processes.

Learn more:
sick.com/mobile-robots
—→



Efficient solutions for pallet handling on conveyor systems
Application-specific sensor solutions enable smooth transportation on the conveyor system. Identifying loads and load carriers, or detecting pallet load protrusions allows subsequent processes to be optimally controlled.

Learn more:
sick.com/detecting
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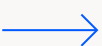


Turnkey AI solutions
AI-based solutions from SICK bring transparency, dynamism, and efficiency to modern logistics processes—our turnkey solutions ensure smooth operations along the entire supply chain.

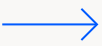
Learn more:
sick.com/ai-turnkey-solutions
—→



PROVEN EXCELLENCE



PALLET CLASSIFICATION MADE EASY —→ PACS @ EDEKA
The reliable identification of pallets that are subject to a deposit or pooling system is essential for incoming goods. This, however, is usually associated with high manual effort and also prone to errors. Incorrect classifications can result in considerable costs.
EDEKA wanted to improve the process, and together with SICK, implemented the Pallet Classification System PACS, which automatically, quickly and reliably determines the pallet types, e.g. EPAL, CHEP or UIC. At the same time, the transparency of the pallet stock was significantly increased.



PRODUCTIVE AND SIMPLIFIED PALLET INBOUND PROCESS —→ IDENT RFID @ COPPERNIC
Instead of a manual and unreliable process with pen and paper, identifying pallets without having to stop or get off the truck for scanning increases productivity tremendously. Add to that the ability for the driver to visualize the final location of the pallet, and the receiving process is as efficient as it can be.
Coppernic implemented a complete real time traceability solution based on RFID UHF technology, mounted on the forklift truck. This has led to increased productivity, higher quality and easier work for the forklift drivers.



EFFICIENT CLASSIFICATION AND ALLOCATION OF PALLETS —→ TAG-LOC AND PACS @ ROSSMANN
Previously, a time-consuming, manual, and error-prone process was used to determine which supplier delivers on which pallet types and whether these are relevant to the deposit system. The Pallet Classification System (PACS) automatically provides the type of pallet that has passed through the inbound area. In order to automatically assign this pallet to a supplier, Tag-LOC tracks the pallet trucks in real time from the gate to the pallet conveyor. This automated process allows employees to concentrate on processes with higher added value and prevents incorrect assignments thanks to Asset Analytics.



APPLICATION SOLUTIONS FOR PALLET HANDLING

OPTIMIZED PALLET MATERIAL FLOW

Pallet classification, inspection, identification and localization of pallet loads

SICK

Sensor Intelligence

IMPROVED PALLET HANDLING

Automate and optimize your warehouse operations, gain transparency and make the use of pallets more efficient throughout the entire supply chain.

- LOAD DIMENSIONING
- DATA PROCESSING
- CLASSIFICATION AND INSPECTION
- LOCALIZATION
- IDENTIFICATION
- PROTECTION

SICK AS A TRUSTED PARTNER FOR END-TO-END SOLUTIONS

From initial concept through design, installation and on-site support: SICK ensures seamless processes, efficiency and reliability.

- **Assessment:** Recognizing challenges, joint evaluation of customer-specific requirements
- **Tailor-made Solution Engineering:** Integrated process solution based on assessment
- **Project management:** Fast and efficient realization of projects from a single source
- **Life cycle service:** Technical support, maintenance, training and optimization at local level

Learn more
sick.com/service

