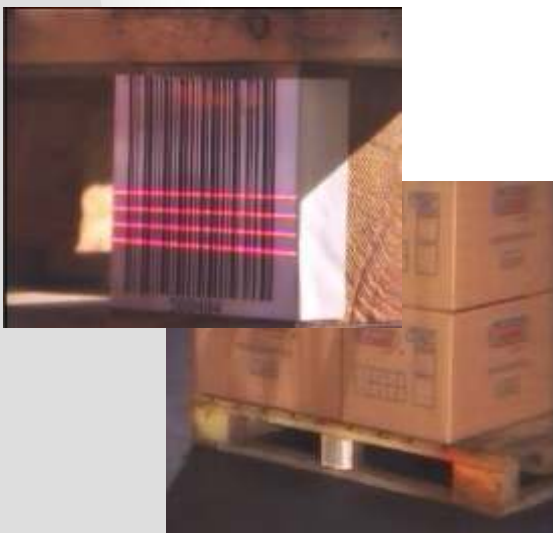


PALLET PIN POINT

Data Collection System

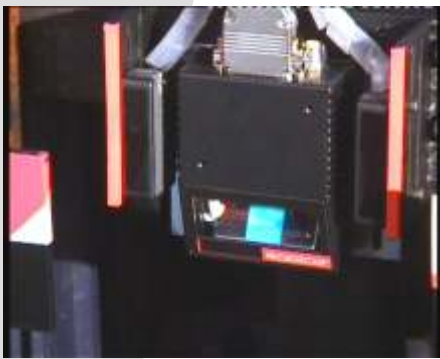


Pallet Pin-Point is an intelligent data collection system that reads pallet numbers and rack locations automatically. It consists of a short-range bar-code scanner to read permanent pallet numbers, a RF Tag reader for reading rack positions, intelligent photo sensors that allow the system to detect nearby pallets, a controller unit and a universal mounting system, which affixes all components to the forklift.



A pallet is made of its base and its load. Each base is identified by a unique permanent number displayed on it in both numerical and bar-code formats. When the forklift picks up the pallet the intelligent photo sensor detects its presence and triggers the short range bar-code reader that in turn reads off the pallet base bar-code and transmits the information to the central controller unit. The central controller unit performs the necessary operations and forwards the information to the forklift terminal which connects to the warehouse management system running the facility. The latter gives the forklift operator a rack position where the pallet can be stored.

Each rack location has a unique RF tag. When the forklift operator sets a pallet down, the RF Tag reader reads the Tag and informs the warehouse data management system where each pallet is located. Upon dispatching a pallet, the system tells the forklift operator where to retrieve the pallet. Auditable signals indicate if the proper pallet is being picked from or stored in the correct location.



The use of Pallet Pin-Point ensures that all pallet movements are logged, all bar-codes are scanned and all pending operations are finished, thus ensuring warehouse inventory integrity. Pallet Pin-Point also serves as powerful tool that can be used to measure forklift operation efficiency

Intelligently reads pallet numbers
and rack locations automatically



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