



**PALLET
PIN-POINT**[®]

D a t a C o l l e c t i o n S y s t e m



FEATURES

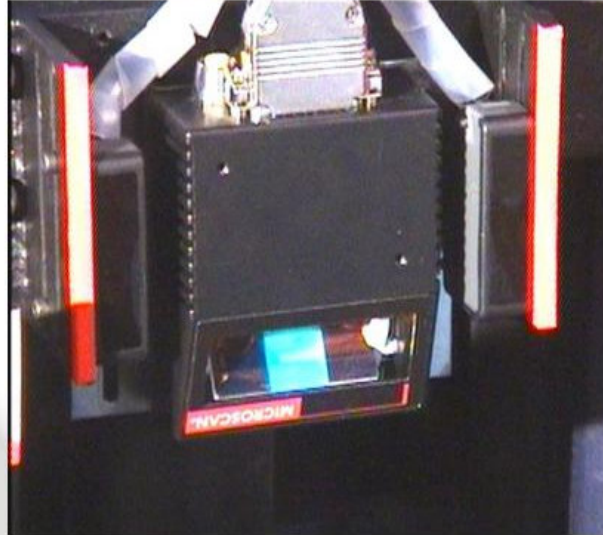
- **Automatic data collection system for forklifts**
- **Intelligent pallet number and rack location reading**
- **Maintains pallet movement, location and traceability inside the warehouse**

D a t a C o l l e c t i o n S y s t e m



IT CONSISTS OF

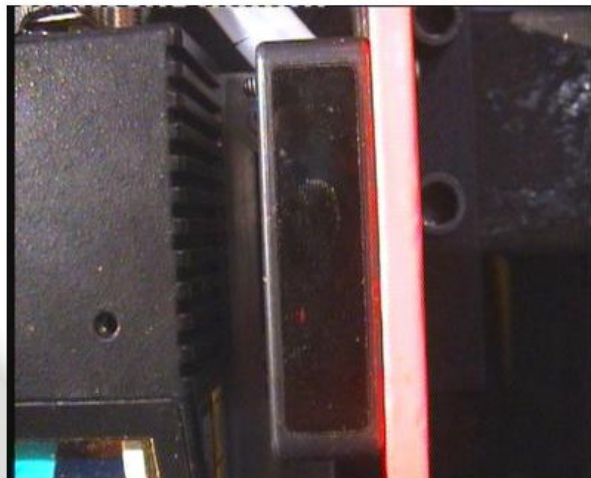
A pallet bar code reader



D a t a C o l l e c t i o n S y s t e m



A photosensor which detects the presence of a pallet on the forklift



D a t a C o l l e c t i o n S y s t e m



An RF Tag reader to detect rack positions



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An RF Tag reader to detect rack positions



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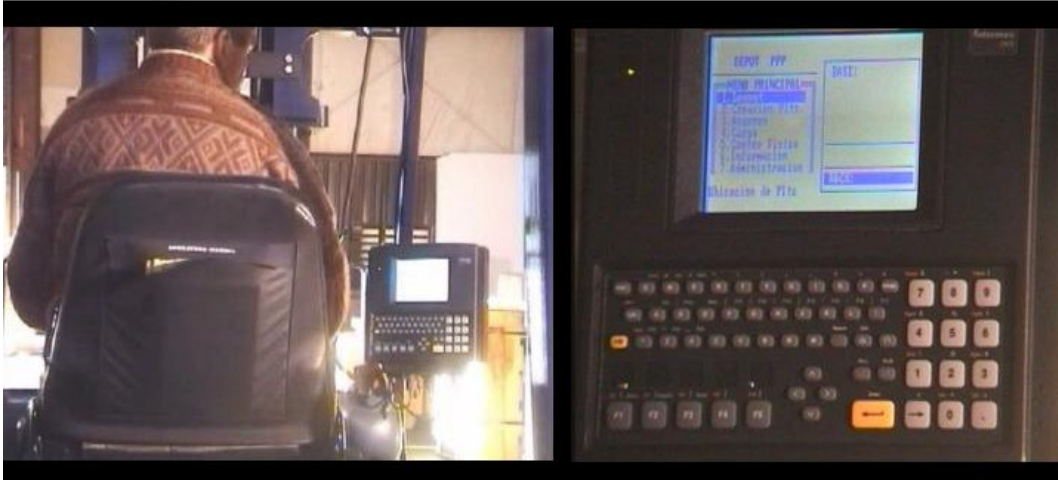
A controller



Data Collection System



...and a forklift terminal



Data Collection System



LET US SEE HOW THE SYSTEM FUNCTIONS

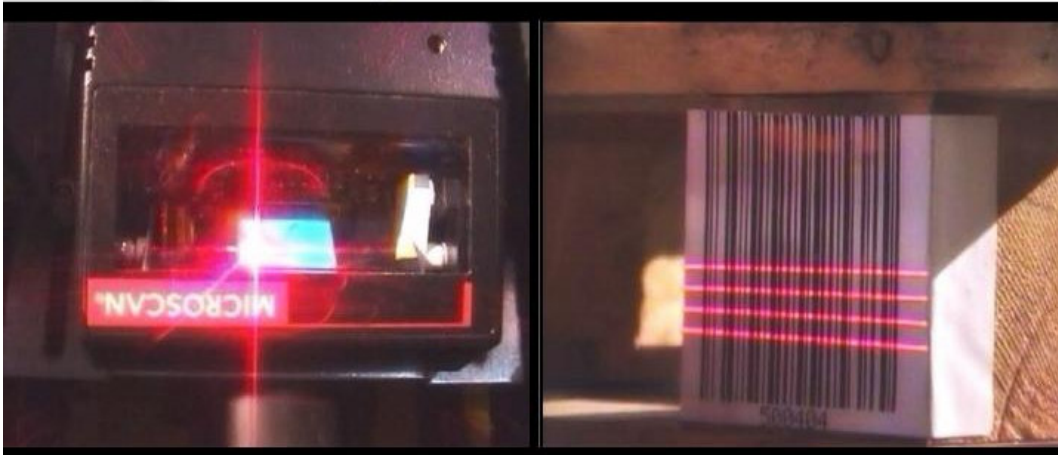
Each pallet base is identified by a unique permanent barcode number



D a t a C o l l e c t i o n S y s t e m



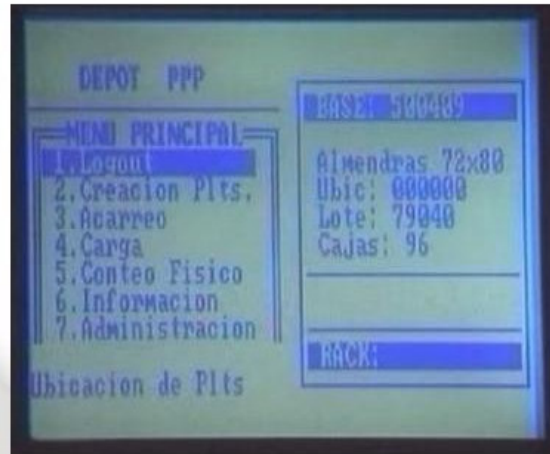
When the forklift picks up a pallet the photosensor detects its presence and triggers the pallet barcode reader



D a t a C o l l e c t i o n S y s t e m



The pallet data is shown on the forklift terminal screen



Data Collection System



Pallet Pin Point suggest a rack location for pallet storage. When the operator sets the pallet down, the rack RfTag is read to determine where the pallet was left. If no tag is detected, the system assumes that the pallet was left on the floor



Data Collection System



PHYSICAL LAY-OUT

U.M.S. (UNIVERSAL MOUNTING SYSTEM)



Data Collection System



TECHNICAL CHARACTERISTICS

SEALED BATTERY (16 HOUR DURATION)



Data Collection System



TECHNICAL CHARACTERISTICS

RF TAGS



D a t a C o l l e c t i o n S y s t e m



TECHNICAL CHARACTERISTICS

RF TAGS

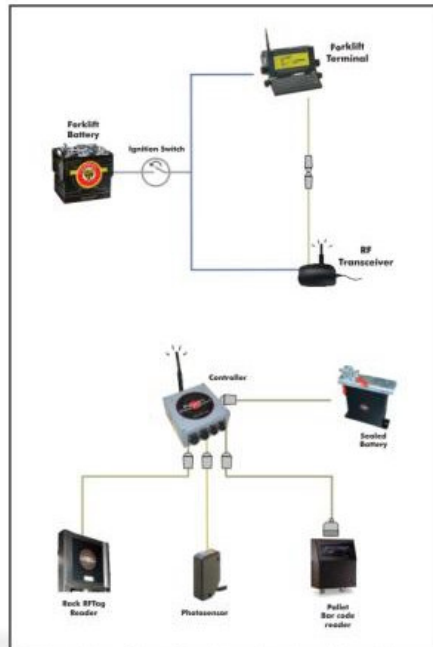
- To identify rack locations, we install a passive RF tag at each rack.
- As the reader approaches the RF tag, the rack location code is transmitted to the system.
- Range: 8 feet.
- Because it doesn't have glass or moving parts, the RF tag reader is vibration and shock resistant.

D a t a C o l l e c t i o n S y s t e m



TECHNICAL CHARACTERISTICS

System lay-out

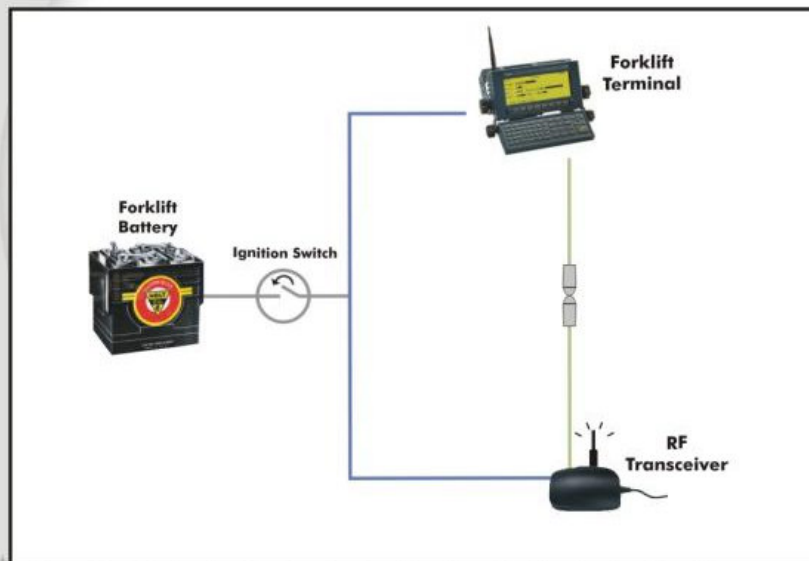


Data Collection System



TECHNICAL CHARACTERISTICS

System Lay-out



Data Collection System



BENEFITS

- 1- Permanent pallet base barcode labels eliminate the need to constantly produce pallet labels
- 2- Automatic data collection reduces cycle time.
- 3- Human errors are eliminated.
- 4- All pallet movements are logged. Even those pallets left in a non identified location
- 5- Forklift Operator aids:
 - The proposed pick up or storage location remains active on screen until the pallet is picked up or stored.
 - Audible signals indicate if the proper pallet is being picked up or stored in the correct location.

D a t a C o l l e c t i o n S y s t e m



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