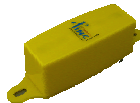




PINC Yard Hound: RFID Reader on Yard Truck

The SPEDE System:

- Wireless inventory labeling and control system; automates warehouse and shop floor processes from Receiving to Shipping
- Automates trailer loading, using forklift or dock-mounted RFID readers (or RF scanning) to read pallet serial number
- Verifies pallet is correct as it is loaded, to prevent shipping errors
- Creates a record of trailer contents, down to the serialized unit level
- Can interface to the PINC Yard Hound System to associate contents of a trailer with a PINC Trailer ID tag
- When interfaced to PINC, can provide real-time tracking and visibility of trailer contents in your yard
- Creates a ship transaction to update your ERP, EDI system when orders are shipped
- Provides serialized traceability of units shipped to customer orders



PINC Yard Hound:

- RFID tag is attached to each trailer to uniquely identify it
- RFID readers at yard entrance and on yard trucks record trailer locations

ABOUT SPEDE TECHNOLOGIES

SPEDE Technologies is a software developer and systems integrator celebrating 28 years of designing and implementing IT solutions for the manufacturing, warehousing and automotive industries. We specialize in wireless solutions for inventory labeling and control, and business process automation.

Our technology solutions seamlessly integrate RFID and RF devices into shop floor and warehouse processes to streamline and error-proof operations, increase efficiency, and enable companies to compete more profitably.

To learn how your company can benefit from the SPEDE System advantage and today's wireless technologies, we invite you to call us or visit our website.

TOLL FREE: 888.808.4237

www.SPEDE.com



*Innovative Solutions for Plant Floor Excellence™
Since 1980.*



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WAREHOUSING, SHIPPING & YARD TRACKING



Integrated Wireless Solutions

From **SPEDE Technologies**
and
PINC Solutions

One Integrated Wireless Solution

**Automate Warehousing and
Shipping with SPEDE.**

**Automate Yard Operations
with PINC.**

The **SPEDE System** is a wireless inventory labeling and control system that enables you to track inventory at the serialized unit level, using mobile and/or fixed RFID and RF devices throughout your shop floor and warehouse. SPEDE maintains a detailed inventory database at the PC level, which updates host systems automatically.

From Receiving to Trailer Loading, the SPEDE System automates and controls material handling processes to ensure accuracy and provide real-time inventory visibility.

The **PINC Yard Hound System** is a wireless yard management solution that uses RFID to track the real-time arrival, location and departure of trailers in your yard.

When SPEDE is interfaced to Yard Hound, you can get real-time visibility of all inventory stored in trailers, outside in your yard.

Your yard can serve as an extension of your internal warehouse space. You'll know the real-time location of every trailer and its contents: including part numbers, quantities, serial numbers – even FIFO detail if you need it.

**Error-Free Results in Every Area
of your Warehouse
and Yard Operations**

Labeling, Warehousing and Shipping

THE SPEDE MATERIAL CONTROL SYSTEM

- ❖ Wireless, modular solution for real-time control and visibility of Raw Material, WIP and Finished Goods inventory
- ❖ Automates shop floor and warehouse processes from Receiving to Shipping
- ❖ Supports RFID, barcode scanning, and wireless PLCs, weigh scales, push-buttons, etc.
- ❖ PC server-based solution transacts with host ERP, EDI and Release Accounting
- ❖ Provides Lot /Serial Traceability from Raw Material to Customer shipment

WIRELESS LABELING

- Prints serialized labels on-demand for Internal and Customer inventory
- RF Push-button and RF TouchScreen Labeling solutions provide error-proof labeling of Finished Parts at line-side
- Automated Pallet-labeling ensures correct label is applied to pallets
- Labels are printed wherever inventory is, using wireless printers mounted to mobile powercards or forklifts

WAREHOUSING & TRACKING

- Warehouse Locator System tracks inventory by part number, serial number, location, quantity
- Automates put-aways, tracking, picking, cycle & physical counts using RF or RFID
- RFID Readers can be handheld, mounted to forklifts or conveyors, and/or affixed to portals in Receiving, Production, Warehousing and Shipping areas
- Portal RFID readers record inventory transactions real-time as RFID- tagged items pass by

AUTOMATED TRAILER LOADING

- RFID-tagged pallets are read by RFID readers at trailer entrance, or on forklift
- SPEDE verifies the pallets being loaded are correct for this customer order / trailer
- Creates detailed record of all serialized pallets on this trailer
- Records Ship transaction, creates ASN datastream, updates host ERP and EDI
- Can interface to PINC Yard System to enable tracking of trailers and their contents in the yard



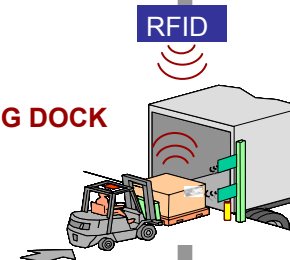
Use RF and/or RFID



RF Push-button Labeling



RFID Reader on Forklift



Yard Tracking

PINC YARD MANAGEMENT SYSTEM

- Wireless system for tracking Trailer arrivals, departures and locations in yard
- Uses RFID to identify trailers, GPS for location-tracking, and Wi-Fi router
- Unique RFID tag is attached to each Trailer
- RFID Readers are mounted to Guard House to record Trailers entering and exiting
- RFID Reader on Yard Truck reads Trailer IDs to locate correct trailer to move
- When interfaced to SPEDE, inventory can be stored inside trailers and accurately tracked
- SPEDE Shipping function creates an SQL record of each Trailer's contents, for tracking and traceability at the serialized unit level

