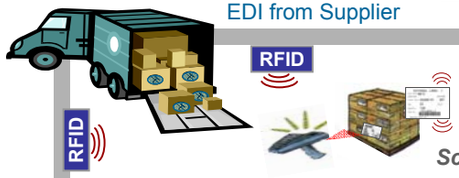
Real-time Material Control System

Inventory Control with Integrated Traceability

EDI from Supplier — SPEDE Supplier Labeling Module — Internet or VAN — ASN's to Customer



Scan or use RFID to Receive

Raw Material Module

- Prints serialized internal labels
- Scan or RFID to Receive
- Validates Receipts to PO or EDI
- Begins Lot / SN Traceability
- Scan to record Putaways, Moves, Issues, Cycle Counts
- Real-time Warehouse Locator
- Updates ERP automatically

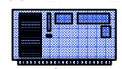
Scan or use RFID to Issue to Production

Work-in-Process Module

- Prints serialized labels to identify each WIP unit
- Real-time WIP Locator System
- Tracks Outsourced WIP by serialized units
- Automates Production Reporting
- Continues Lot /SN Traceability into WIP
- Updates ERP automatically

Reports & Inquiries
- Real-time Data, 24/7
- Use PC Browser
- Detailed Reports

Your ERP / EDI



Data ↓ ↑ Transactions

Controls RF Devices
- Scanners
- Push-buttons
- Printers
- RFID readers
- PLCs, RF-enabled Weigh Scales

Event Tracking Database
- All Labor, Material & System events
- Lot/SN Traceability, Data Mining

Serial Number Label Database

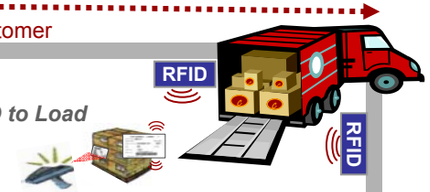
Real-time Container Inventory of Raw, WIP & Finished Parts

Finished Goods Module

Real-time Container Labeling at Line-side

RF TouchScreen or PLC or Push-button + RF printer = Error-free Labels

- Prints the correct label at the production line, automatically
- Correct label is pre-set for the Part Number made at the line
- No PC to use; label is automatically triggered via PLC, Touchscreen or Push-button
- Container Label is printed and immediately applied
- Scan the Label S/N to record a Production Receipt



Scan or use RFID to Load

Shipping Control

- Scan or RFID Pallet Serial # to Load
- Verifies Pallet is Correct for this Load
- Confirms Load is 100% Correct
- Sends ASN and Ship Txn Data to Host
- Continues Lot/SN Traceability to Ship-to site

Inventory Control

- Real-time Warehouse Locator System
- Scan to record Putaways, Moves, Cycle Counts
- Scan to Pick / FIFO
- Continues Lot /SN Traceability to Customer Order

Pallet Labeling

- Scan Carton Serial Nbrs to create Pallet Labels
- Serialized Pallet Labels include:
  - Internal
  - Customer
  - Master, Mixed Load
  - Barcode, RFID
- Ensures label is applied to correct Pallet
- Continues Lot /SN Traceability in Finished Goods

© 2011, SPEDE® TECHNOLOGIES.

Implementing Technology Solutions in Automotive and Manufacturing - for 31 Years!

www.SPEDE.com

r5-11