

SPEDE MODULES

SPEDE is a modular system that can be implemented in phases to automate any or all areas of your operations. It can be configured to the needs of your facility without requiring changes to your ERP or other host business systems. Modules include:

- Raw Material
- Work-in-Process
- Finished Goods
- Inter-Plant Transfers
- Sensor-driven Labeling
- Supplier Labeling via the Internet
- Supplier Kanban
- Interfaces to ERP, EDI, Release Accounting

INTEGRATED RFID, OPTIONAL

SPEDE features an integrated RF communications platform that supports both RF scanning and RFID. This means that either, or both technologies can be used, without the need for additional middleware. In the Finished Goods area for example, RF scanning can be used for picking and cycle counting, and RFID for scan-free trailer loading. RFID printers and readers can be added to the RF network as needed. SPEDE's RFID options include:



- Supplier RFID Labeling, via the Internet
- RFID Receiving
- RFID Issues to WIP
- RFID Trailer Loading

ERROR-FREE, SENSOR-DRIVEN LABELING

- SPEDE's patent-pending labeling solutions eliminate operator decision-making that causes labeling mistakes.
- Interfaces the labeling process to production machines and/or PLCs.
- Delivers 100% error-free labeling of Finished Parts containers and pallets.

ABOUT SPEDE TECHNOLOGIES

SPEDE is a product of SPEDE Technologies (formerly Barcode Data Systems), a software and systems company with 25 years of experience in implementing technology solutions for plant floor control, and compliance with automotive and supply chain mandates.

Combining turnkey solutions with professional support services, and a depth of manufacturing and systems experience unmatched in the industry, our team has enabled firms throughout North America to operate more efficiently, compete more profitably, and improve the quality of customer service.

To learn how your firm can benefit from the SPEDE advantage, we invite you to call us, or visit our website. We'll help you identify processes in your facility that can be streamlined and made error-free using SPEDE's unique functionality and today's wireless technology.



ERROR-FREE. INSIDE, OUTSIDE AND IN BETWEEN.

888.808.4237
www.SPEDE.com



ERROR-FREE. INSIDE, OUTSIDE AND IN BETWEEN.

MATERIAL CONTROL SYSTEM



STREAMLINED PROCESSES.
ERROR-FREE RESULTS.

REAL-TIME MATERIAL CONTROL FROM RECEIVING TO SHIPPING

The SPEDE System streamlines and automates material handling processes throughout the manufacturing facility, providing real-time control over material movement and continuous data exchange with host ERP, EDI and other systems.

SPEDE ("speedy") integrates RF scanning and RFID into business processes to prevent errors, increase efficiency, and provide real-time visibility of material as it moves into, through, and out of the facility. With SPEDE, you can:

LABEL: all inventory with serialized labels, to uniquely identify and precisely track each unit of material. Mobile wireless printers can be moved anywhere the material is, to make the labeling process error-free.

TRACK: all inventory by location in real-time, not just inside your 4 walls, but material enroute from suppliers, shipments enroute to customers, and inter-plant transfers of WIP to outside processors.

CONTROL: material handling activities in real-time, and standardize business procedures to prevent errors, eliminate confusion and increase productivity.

VIEW: on a 24/7 basis, live inventory totals, production data, and order status information at the individual plant level, using your PC browser.

TRACE: units of inventory via serial number and lot code, from their raw material components through shipment of finished parts to your customers.

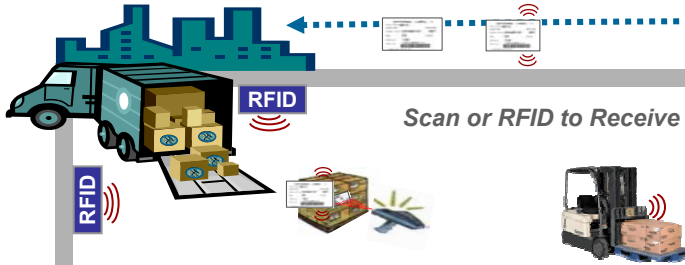
ERROR-FREE RESULTS: INSIDE, OUTSIDE AND IN-BETWEEN

With SPEDE you can trust that the inventory you view onscreen is exactly what you have. You can make better buying and production decisions, and reduce inventory to efficient, yet minimal levels. And you can trust that every customer order will be packed, labeled and shipped error-free, every time.



Real-time Material Control System

SUPPLIER LABELING MODULE



Scan or RFID to Receive

RAW MATERIAL MODULE

- Automates Receiving
- Internal Labeling
- Real-time Locator System
- Automates Putaways
- Automates Issues to WIP
- Automates Counts
- Lot / Serial # Tracing
- Automatic ERP Updates



WIP MODULE

- WIP Labeling
- Real-time WIP Locator System
- Tracks Outsourced WIP
- Automates Production Reporting
- Automates Inter-Plant Transfers
- Lot /Serial # Tracing
- Automatic ERP Updates



Scan or RFID to Issue

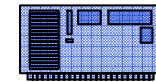
Internet or VAN

Your ERP / EDI Systems



Reports/Inquiries

- 24/7 Real-time data
- Use PC Browser



Data from Host

Transactions to Host



Controls RF Devices

- RF Scanners
- RF Printers
- RFID



Keeps Label DB

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

Keeps Event DB

- All labor, material & system events
- Traceability, Mining



FINISHED GOODS MODULE

Line-Side Container Labeling

- Interfaces the Labeling Process to the Production Machine
- Prints the Correct Container Label - Automatically
- No PCs or Confusing Software
- Scan or RFID the Label to Record Production Receipt

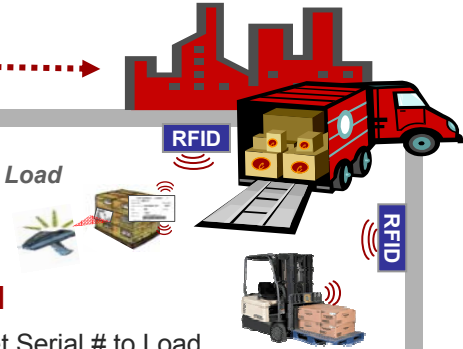


Touch Screen or Push-Button + Printer = Error-free Labels
or Weigh Scale or PLC



YOUR CUSTOMER

Scan or 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
- Lot/SN Tracing to Customer

Inventory Control

- Real-time Warehouse Locator System
- Automates Putaways
- Automates Counts
- Automates Picking / FIFO
- Controls Staging
- Lot / Serial # Tracing



Pallet Labeling

- Scan cartons to create Pallet Labels
 - Internal
 - Customer
 - Master, Mixed
 - RFID, Barcode
- Ensures Pallet Label is applied to the correct pallet

