

## FINISHED GOODS INVENTORY CONTROL CHECKLIST

1. Do you need real-time inventory visibility and control - at a granular level?
2. Do you need an error-proof way to label Finished Product?
3. Are manual processes causing errors or delays in shipping customer orders?
4. If a QC problem occurs, how fast can you identify and track all affected inventory units?

With a wireless **SPEDE Finished Goods** solution, you can label, track and trace inventory in real-time at a serialized unit level. From Production Reporting to Trailer Loading, you can use RF and RFID, weigh scales and PLCs to capture and verify inventory transactions and control material handling operations. You'll get 24/7 real-time visibility of inventory, and customer orders. And you'll streamline operations to increase efficiency and eliminate errors. **SPEDE Finished Goods** is a PC server-based solution that transacts with host ERP systems, while running independently to ensure 24/7 uptime.

### What are your Finished Goods Issues?

### Here's the SPEDE Solution:

#### Inventory Accuracy?

- Inventory accuracy is less than 99%
- Back Orders due to inventory outages
- Need real-time validation of data as it is collected
- No FIFO control of Finished Goods Inventory
- No finite location control of Finished Goods inventory
- Incorrect data is sent to ERP system

#### 100% Accuracy due to Real-time Control

- Real-time validation and Serial Nbr control enable near 100% accuracy
- Real-time production reporting & inventory visibility
- Real-time verification of inventory & material handling txns via scanning or RFID
- Optional FIFO control at Picking, configured to your requirements
- Optional real-time location control over Putaways / Moves, by Part. Order Nbr, etc.
- Txns are verified real-time for accuracy before updating Host systems

#### Labeling?

- Mis-labeled containers due to batch-printing and/or manual data entry
- Need to create serialized Pallet labels via scanning
- Need to control Labeling and Shipping processes at a remote site
- Need to comply with Supply Chain labeling mandates

#### Automated Labeling of Containers & Pallets

- Line-side labeling prints labels on-demand using PLCs or RF Push-buttons
- Scan Container S/Ns loaded on Pallet to create serialized Master/ Mixed label
- Remote sites can access SPEDE Server to control Labeling /Shipping
- Enables compliance with Honda Line-side labeling and Quick Receive labeling, AIAG shipping labels, MMOG/LE material identification, RFID shipping labels

#### Picking & Shipping Errors?

- Manual, paper-based Picking system
- Picking errors, despite manually verifying picked orders
- Staged Orders get "raided" or mixed in with other Customer Orders
- Trailer Loading errors; wrong things get loaded; items are left behind
- Need to generate ASNs via scanning, not data entry
- Not shipping customer orders on time, 100% of the time
- Using expedited freight services due to shipping errors

#### Real-time Validation of Scanned Transactions

- Scan-to-Pick from real-time Picklist downloaded from host ERP
- Real-time Picking verification confirms Part, Qty, FIFO, etc. is correct
- Picked Pallet S/Ns are allocated to Customer Order Nbr
- Real-time validation ensures the correct Pallets are loaded & the Order is complete
- ASN / Ship data is captured via scanning Pallet S/Ns at Trailer Loading
- Automated picking, shipping & verification increase efficiency to prevent delays
- Eliminates errors in Picking, Staging and Trailer Loading via S/N control

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### Traceability?

- No detailed Lot Traceability from Receiving through Shipping
- Using a Manual System to handle selective recalls
- Complying with Regulatory requirements
- No “data mining” of events for trend analysis / improvement

### Electronic Traceability

- Lot / Serial data is captured via scanning transactions Receiving to Shipping
- Limit Recalls to specific Lot / Serial numbers via data mining and analysis
- Enables compliance with FDA Traceability, MMOG/LE, Line-side Labeling
- Real-time Inventory & Event Databases can be mined 24/7, via Data Mining tools

### Labor-intensive, Manual Tasks?

- Manually reporting production receipts; no real-time data
- Labeling process is labor-intensive & error-prone
- Material Handlers spend too much time looking for items
- Doing Cycle / Physical Counts manually
- Need to scan Location Transfers to Warehouse / Putaways
- Manual, paper-based Picking system
- Hand-written data entry to ERP system
- Not scanning barcode labels to track inventory / update ERP

### Automated Processes from Production to Shipping

- Real-time Production Reporting via scanning serialized Container or Pallet Labels
- Automated labeling at Line-side using PLCs, RF Push-buttons and/or TouchScreens
- Real-time WLS tracks items by Part / Locations/ S/Ns / Qty / FIFO, etc.
- Do Cycle & Physical Counts automatically via scanning Pallet S/N and Location
- Scan Master S/N and Location code to record Moves & Putaway
- Real-time Picklist data is downloaded from host ERP; Scan Pallet S/Ns to pick
- Host ER/EDI systems are updated automatically; no spreadsheets or data entry
- Scan labels to report production; track inventory; record putaways & moves; do cycle counts; pick orders; load trailer; create ASN datastream.

### Informational Issues?

- Incorrect data is sent to ERP system
- Stale information is given to Management for decision-making
- Insufficient data re: Employee accountability / performance
- Hand-written data entry to ERP system
- Need real-time validation of data as it is collected
- No “data mining” of events for trend analysis / improvement
- Need real-time information even when host system is unavailable
- Legacy MRP system does not support today’s supply chain requirements

### Real-time Data Capture, Verification & Mining

- Txns are verified real-time; data sent to host systems is 100% accurate
- Real-time granular Raw, WIP and Finished Goods data is available 24/7
- Captures Empl. Nbr / Time / Date for all Inventory and Event txns - Data be Mined
- Host ER/EDI systems are updated automatically; no spreadsheets or data entry
- Inventory & material handling txns are verified real-time before being recorded
- Real-time Inventory & Event Databases can be mined 24/7, via Data Mining tools
- PC Server-based solution runs independently of host; 24/7 uptime even without host
- SPEDE enables data exchange with Supplier & Customer systems; compliance with AIAG Labeling, MMOG/LE, Lot/Serial Traceability, other Supply Chain mandates

***Now is the Time to Cut Costs and Increase Profitability in your Plant Sites!***

***Call us at 440.808.8888 (ext. 16) or email us at [info@spede.com](mailto:info@spede.com)***