

**RFID can be** an effective data collection tool, but the technology itself can't prevent errors from being made. The key to achieving 100% accuracy in your shipping operations is to control all elements of the business process. Software-based controls such as real-time validation, when paired with RFID, can ensure that the correct material handling action is taking place.

### Error-Proof Processes

The **SPEDE RFID Shipping** solution controls both the Master Labeling and Trailer Loading processes to prevent shipping errors.

Serialized Master Labels print automatically by scanning the pallet's contents. There's no manual data entry to cause errors. Also, SPEDE confirms the Master Label is applied to the *correct* pallet.

For Trailer Loading accuracy, SPEDE validates each Master Label as the pallets are loaded, then confirms the Order is 100% correct before the trailer is able to "close".

The accuracy of **SPEDE RFID Shipping** enables you to cut costs and reduce labor by:

- Eliminating the expedited freight costs that result from short shipments or shipping the wrong material
- Using RFID to eliminate manual data entry and scanning
- Improve customer satisfaction by delivering error-free orders, every time

### Need RFID Compliance Labeling?

Are you required to put RFID labels on customer shipments? If so, don't settle for a Slap and Ship solution that is costly in labor and materials -- and offers no ROI.

Instead, capitalize on the RFID-labeled inventory! Mount RFID readers to your shipping docks to read, verify and record RFID Master Labels as they're loaded. You'll get error-free shipments -- and RFID compliance labeling too!

### ABOUT SPEDE TECHNOLOGIES

Founded in 1980, SPEDE Technologies is a software developer and systems integrator that specializes in real-time inventory control and innovative plant floor automation solutions.

Our solutions enable companies to operate more efficiently and profitably by using RF and/or RFID throughout their 4 walls to streamline, automate and error-proof processes.

Our customers are medium to large automotive, industrial and pet food manufacturing companies with multiple plants throughout the U.S., Canada and Mexico.

To learn how your company can benefit from a wireless solution from SPEDE Technologies, call us today - or visit our website!



**888.808.4237**

**[www.SPEDE.com](http://www.SPEDE.com)**

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

# ERROR-FREE SHIPPING

## USING RFID



INNOVATIVE SOLUTIONS FOR PLANT FLOOR EXCELLENCE.®

## PALLET LABELING AREA

### 1. CREATE RFID MASTER LABELS



- SPEDE gets Master label data from ERP
- Scan serial number on carton labels to create serialized RFID Master label
- Master label serial number is associated to Carton S/Ns on a one-to-many basis

### 2. PRINT RFID MASTER LABELS

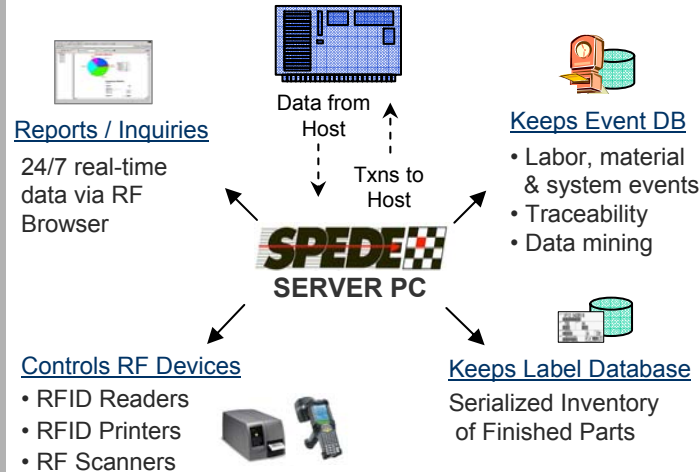


- Use a wireless barcode printer with integrated RFID tag writer
- Use label stock with embedded RFID tags
- Master Label serial number will be encoded in RFID tag
- Label data will print in both barcode and human-readable, in case RFID tag becomes unreadable later

RFID tag encoded with Serial Number



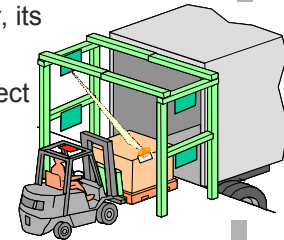
Your Host System



## SHIPPING AREA

### 4. LOAD RFID-LABELED PALLETS

- RFID readers are mounted to dock entrance
- As pallet is loaded into trailer, its Master serial number is read
- SPEDE verifies pallet is correct for this trailer
- Alerts Operator if wrong pallet is being loaded
- Won't allow trailer to "close" until shipment is 100% correct
- Creates ship transaction and ASN data-stream; sends to host
- Retains Lot / Serial traceability to Customer
- Can interface to RFID Yard Management System to track trailers and contents in yard



### 3. APPLY MASTER LABEL TO THE CORRECT PALLET



SPEDE displays "Apply Label Now" if Master label is correct for this pallet

- Operator scans any carton on pallet before applying Master label
- SPEDE verifies Master Label is correct for that pallet
- If correct, displays "Apply Label Now" message on Operator's RF handheld