

**RFID** is an efficient tool for capturing data in real-time, but the technology itself doesn't ensure that your results will be error-free. The real key to accuracy is controlling the business process.

### HUMAN-PROOF PROCESSES

When RFID is combined with well-designed processes and real-time software control, you can achieve 100% correct shipments.

The SPEDE® RFID Shipping solution provides real-time control over both the Master Labeling and Trailer Loading processes, ensuring that pallets are correctly labeled, and orders are loaded without errors. With SPEDE, you can:

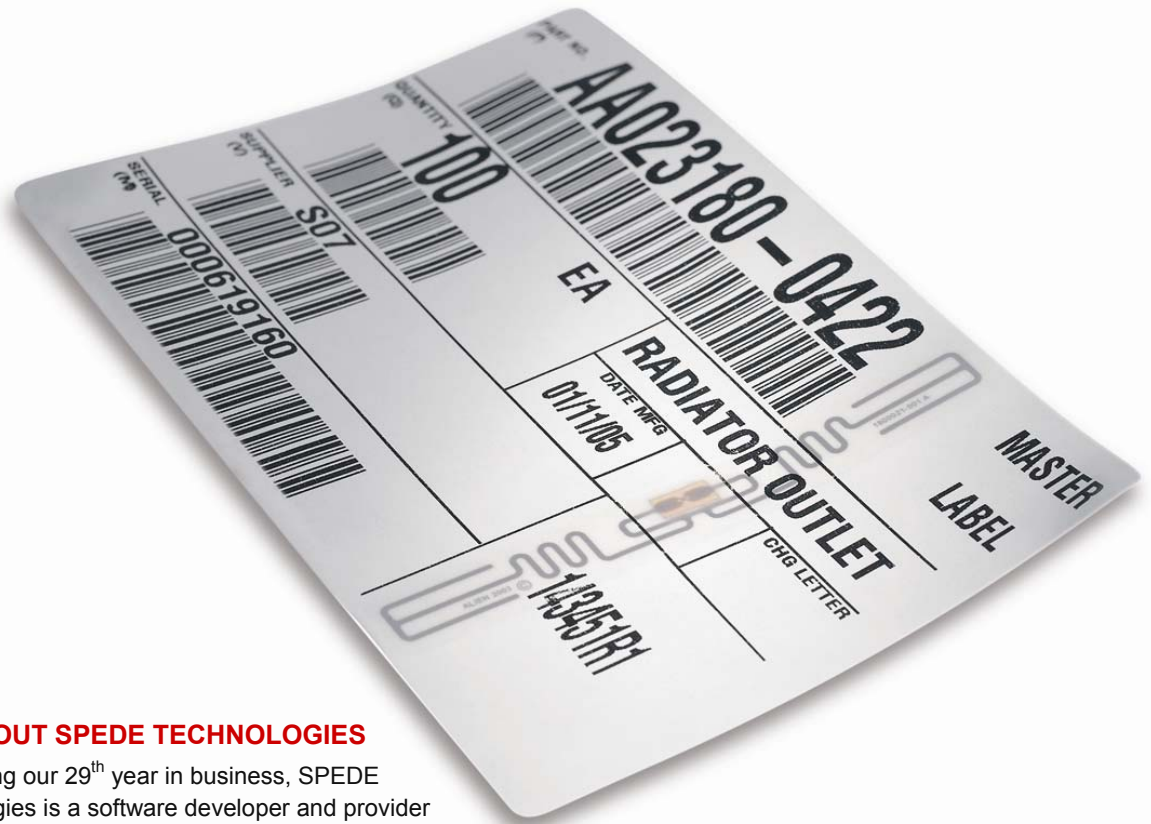
- eliminate expediting costs due to short shipments or shipping the wrong material
- eliminate scanning and manual data entry by using RFID to record shipments and create ASN datastreams
- improve customer satisfaction by shipping error-free orders every time

### GET THE BENEFITS OF RFID COMPLIANCE

If your company is considering a "slap and ship" RFID labeling solution to comply with customer mandates, you might consider this: "slap and ship" is costly in labor and material, and provides no tangible benefits in return. It's an expensive way to comply.

With SPEDE RFID Shipping, you can benefit from your investment in RFID-labeling. RFID readers can be mounted at your shipping dock to read, verify and record the RFID-labeled pallets as they are loaded. The SPEDE software ensures that only the correct pallets are loaded, and the order is complete before the trailer leaves your dock.

You can achieve error-free shipments and increase the efficiency of your shipping operations -- as the result of RFID compliance!



### ABOUT SPEDE TECHNOLOGIES

Celebrating our 29<sup>th</sup> year in business, SPEDE Technologies is a software developer and provider of integrated systems for real-time inventory and plant floor control.

Our technology solutions enable automotive suppliers and manufacturers to operate more efficiently and profitably, by integrating RFID and other wireless technologies into material handling processes throughout the four walls.

We implement turnkey solutions, and provide 24/7 support for our clients, located throughout the U.S., Mexico and Canada.

To learn how your firm can benefit from today's technology and the SPEDE System advantage, call us for a free consultation.

**TOLL FREE: 888.808.4237**  
**www.SPEDE.com**

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

# ERROR-FREE SHIPPING

## USING RFID

**SPEDE**   
TECHNOLOGIES

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

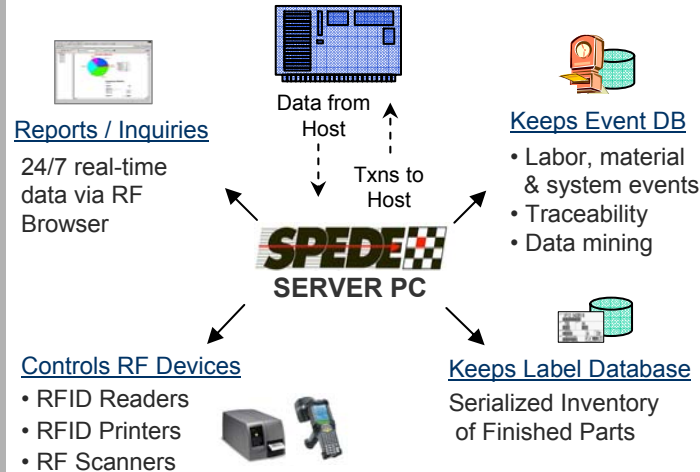


- Use a wireless barcode printer with integrated RFID tag writer
- Use label stock with embedded RFID tags
- Master Label serial number will be encoded in RFID tag
- Label data will print in both barcode and human-readable, in case RFID tag becomes unreadable later

RFID tag encoded with  
Serial Number



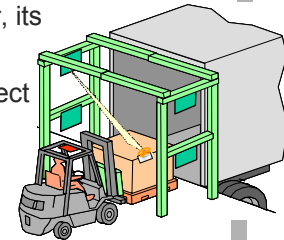
Your Host System



## 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