



## SPEDE RFID Crane Locator System

- Tracks item locations to within an inch of accuracy – in the facility or out in the yard
- Eliminates floor-searching, physical counts and manual data entry
- Provides real-time visibility of inventory at the serialized unit level
- Identifies and tracks items by Serial number, for greatest accuracy and control
- Serialized RFID tag can be affixed to items at Receiving, or by supplier
- RFID Reader on hook or bridge of crane reads the RFID tag on item as it is hoisted
- RF Laser Range Finders on crane pinpoint X-Y location of item as it is put away
- Z axis can also be detected and recorded
- RF Touchscreen in cab records transactions by touching the screen
- Automates and streamlines processes from Receiving through Shipping
- Prints serialized Internal and Shipping RFID/ barcode labels via mobile RF printers
- Verifies transactions in real-time to prevent errors in receiving, picking, shipping
- PC server-based solution can function as a standalone warehouse solution
- Can transact with your host systems

### ABOUT SPEDE TECHNOLOGIES

SPEDE Technologies is a software developer and systems integrator celebrating 29 years of designing and implementing IT solutions for the manufacturing, warehousing and automotive industries. We specialize in wireless solutions for inventory labeling and control, and business process automation.

Our technology solutions seamlessly integrate RFID and RF technologies into shop floor and warehouse processes to streamline and error-proof operations, and enable companies to operate more efficiently and compete more profitably.

With a customer base that spans the U.S., Mexico and Canada, our customers are mid-sized to Fortune 500 industrial companies with multiple manufacturing and warehouse facilities.

To learn how your company can benefit from the SPEDE System advantage and today's wireless technologies, we invite you to call or visit our website.

**TOLL FREE: 888.808.4237**

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



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



## RFID LOCATOR SYSTEM for OVERHEAD CRANES



**STREAMLINED PROCESSES.  
ERROR-FREE RESULTS.**

## Tracks Inventory and Automates Warehouse Processes

The SPEDE RFID Crane Locator System is a wireless solution for inventory control and warehouse automation for companies that use overhead cranes to move and manage large items of inventory.

The solution interfaces RFID and RF devices directly to the crane to record inventory transactions automatically as the crane moves. An RFID reader on the crane identifies the item being hoisted; RF Lasers pinpoint the location where it is put; an RF TouchScreen in the cab displays real-time item locations, and records transactions by touching the screen.

The SPEDE RFID Crane Locator System eliminates the need for floor-searches, manual data entry and physical counts. Items are tracked by serial number, and their precise location is always known, whether they are stored inside or outside the facility.

The SPEDE RFID Crane Locator prints serialized RFID tags on-demand, so every item can be accurately controlled, tracked and traced from receipt through shipment.

### Error-Free Results In Every Area of Your Operations

With SPEDE you can trust that the inventory you view onscreen is exactly what you have. And you can trust that every customer order will be picked, labeled and shipped error-free.

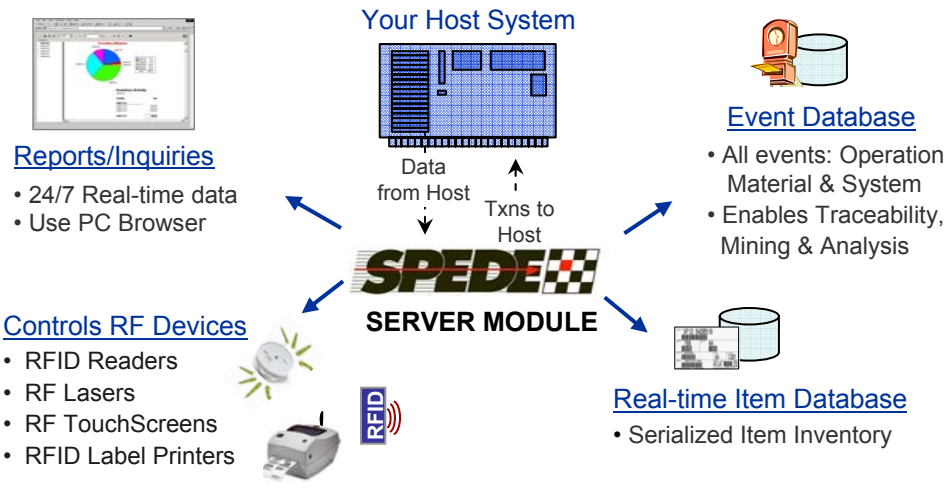


# RFID LOCATOR SYSTEM for OVERHEAD CRANES



## RECEIVING CONTROL

- Prints and encodes serialized RFID labels
- Initiates coil tracking by associating a serialized RFID tag to your existing coil label
- Sends "Received" transaction to your Host system
- Begins Lot/Serial traceability



## PICKING & SHIPPING CONTROL



- Coil picklists can be sent from your Host system to SPEDE, so specific coils or heats can be picked
- Coils are verified automatically against picklist, as RFID-tagged items are lifted
- Cab operator is warned if a lifted coil is not on picklist
- Picklist Control can be used for:
  - "Issues" – as RFID-tagged coils are moved to a processing machine
  - "Shipping" – as RFID-tagged coils are moved to trailer loading or rail location

## REAL-TIME LOCATION CONTROL

- RFID antennas on the crane read the RFID label on the coil as it is lifted
- As the crane moves, RF Lasers on the crane transmit the X-Y location of the coil to the RF TouchScreen in the operator's cab
- When coil is stored, its new X-Y location is automatically recorded in the real-time Item Database
- SPEDE RFID Locator System can send the new location to your Host system every time a coil is moved or stored
- Coils are tracked automatically as they are relocated, or issued to processing
- Eliminates manual data entry of coil locations
- Eliminates floor searches for specific coils

## TRACKS ITEMS AUTOMATICALLY



## OTHER FEATURES:

- Z-axis Location Control for stacked coils
- WIP Traceability - create "child" coils from "parent" coils
- Tracking of non-coil material such as sheets, bars, etc., using serialized RFID tags
- Upgrade to the full functionality of the server-based SPEDE Warehouse Control System, which includes:
  - Receiving, Moves, Counts, Picking, Shipping, Tracking, Lot/Serial Traceability