

EDI from Supplier  Internet or VAN  ASN's to Customer



← Traceability Begins Here

Raw Material Receiving



- Scan Supplier's Pallet ID label or print serialized Pallet ID labels
- Uses EDI /ASN for Pallet contents data
- Scan Pallet ID to record Receipt Txn
- Validates Receipt to PO or EDI
- Records CTEs¹ to begin Item /Lot / Batch / SN Traceability

Warehousing & FIFO

- Scan Pallet ID & Location ID to record all Putaway, Move & Cycle Count Txns
- Maintains FIFO & real-time location tracking by Raw Item/Lot/Qty
- Records CTEs for Back/ Forward Traceability



Processing / Production



- Scan Work Order or Run Nbr to start production
- Scan Pallet ID or Raw Item ID issued to Run Nbr
- Links Raw Item ID & Lot/Serial to Finished Part Nbr & Lot /Serial Nbr
- Updates inventory real-time as Raw Items are consumed and Finished Parts are produced
- Tracks WIP units sent out for processing
- Records CTEs for Back/Forward Traceability

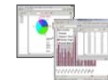
Event Tracking Database

- All Labor, Inventory & System events
- Critical Tracking Events (CTEs) for Traceability



Reports & Inquiries

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



Your ERP / EDI

Data ↑
Txns ↓

Serial Number Label Database

Real-time Inventory of Raw, WIP, Finished Goods



Controls WiFi Devices

- Scanners, Printers
- Push-buttons
- PLCs, Weigh Scales

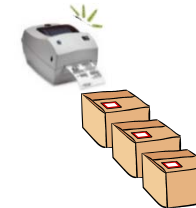
¹ CTEs = Critical Tracking Events for unique Item Traceability

Finished Goods

Real-time Line-side Container Labeling

Print serialized Container labels at the Point of Production

- Label is printed automatically by PLC, TouchScreen or Push-button
- Correct label is pre-set for the Part Number being made
- Links serialized container to Run Nbr and Raw Item ID
- Scan the Container SN to record a Production Receipt
- Enables Traceability Back to Raw & Forward to Finished Parts



Scan-to-Create Pallet Labels

- Scan Container serial numbers to create a serialized Pallet ID label
- Links Container SN/ Part /Lot/Qty to Pallet ID
- Records CTEs for Pallet ID Labels printed



Production Reporting



- Scan Pallet ID label to record a Production Receipt
- Sends Production Txns to ERP

Warehousing

- Scan Pallet ID & Location ID to record Putaway, Move & Cycle Count transactions
- Real-time location tracking by Finished Item/Lot/Qty
- Records CTEs for Back/Forward Traceability

Picking

- Import EDI Order data or enter Picklist
- Allocates Item Nbrs to Picklist by FIFO
- Scan-to-pick Pallet IDs
- Links Pallet ID & Item/Lot/Qty to Order
- Links Pallet ID to Shipper ID
- Continues Location Tracking & Traceability by Item/ Lot/ Qty
- Relieves real-time inventory of Finished Goods items
- Records CTEs for Picking/ Moving Pallet IDs



Trailer Loading

- Links Customer Order to Trailer ID and Shipper ID
- Scan Pallet ID or SSCC label to Load on Trailer
- Verifies Pallet is correct for this Trailer / Order
- Confirms all Pallets are loaded
- Creates ASN datastream of Pallets & Order data
- Records CTEs for Forward Traceability of shipped items



Traceability Continues →