



focus on essentials



Total Warehouse Logistics

→ solutions:
Distribution Essentials
Enterprise, SX.enterprise

"We eliminated our Annual Physical count saving the company thousands of dollars per year."

Dick Stenger,
Central States
Industrial Supply

Total Warehouse Logistics (TWL) improves warehouse productivity and accuracy. The system addresses warehouse workflow, including product movements, receiving, shipping, picking, and counting. These warehouse tasks are managed in a real-time environment supported through Radio Frequency (RF) Data Collection devices that are carried by workers in the warehouse. The TWL approach to warehouse management is an integrated solution that works with the various files and functions of the system while maintaining warehouse-specific tasks and data.

TWL frees warehouse operators to manage resources without concerns about system impact. Each warehouse can function with its own parameters, data, and rules. While a warehouse maintains warehouse-level data, the Infor enterprise-level system provides a complete picture of total operations, including the ability to see product levels by warehouse location and status of orders throughout the system. Within the warehouse, the locator functions as the heart of the system, tracking all products to the location level. The locator works with other parts of the system to not only track item location, but also to determine where an item should be stored and from where it should be picked.

Receiving

➔ BUSINESS OBJECTIVES:

Improve warehouse productivity and accuracy.

➔ BENEFITS:

This module will help you improve product movements, receiving, shipping, picking and counting.

The receiving function allows warehouse technicians to receive product against a purchase order, multiple purchase orders, or an Advanced Shipping Notice (ASN) that has been received via Electronic Data Interchange (EDI). Product cross-references can be used to utilize manufacturers' barcodes or labels can be printed if no labeling is available. Update of information to the warehouse system is immediate. Backorders and purchase order updates are handled by the system, increasing efficiency and accuracy.

Features Include:

- Counter sales
- PO, Multiple PO, EDI/ASN receiving
- Top off primary bin locations
- Multiple receivers per PO/Shipment
- Vendor cross-reference maintenance from handheld data collection device
- Barcode labeling and data capture
- Real-time reconciliation of actual receipt to purchase order
- Automatic back order fulfillment
- Cross dock routing
- Damaged goods routing
- Quality control quarantine
- Pallet/carton/piece control
- Lot/batch control
- Product serialization
- Directed and non-directed bin assignment
- Daily receiving summaries

Inquiries Include:

- Open bins by user-established priority assignments
- Inventory currently on loading dock
- Inventory by shipping/receiving document number

Material Handling

Material handling includes the function of put-away, inventory moves, bin or slot consolidation, and replenishment of primary bins. These functions are directed and controlled by the system, based upon a zone approach.

Warehouse technicians are directed to correct locations for all movement activities by the system through RF terminals. Location confirmation is prompted in each step of the process to ensure accuracy. An audit trail is maintained to aid in product tracking and accountability.

"We doubled the number of POs a receiver could process the first month with TWL."

Robert Bernier,
Tenaquip, LTD

Features Include:

- Directed and/or non-directed control increases employee efficiency
- Cube and weight-based slotting optimizes space/rack utilization
- Temporary location management continually tracks inventory
- Inventory cross edits for accuracy
- Real-time location/movement updates operator
- Min-Max and demand primary replenishment keep fast items in quick pick areas
- Velocity tracking based on bin hits
- Override capabilities
- Operator productivity reporting
- Bin replenishment

Inquiries Include:

- Inventory movements and adjustment by SKU, document
- Open replenishments and consolidation opportunities
- Item velocity re-classification recommendations
- Transaction history by SKU with daily, weekly, monthly, and quarterly period totals

Order Picking

TWL brings improved efficiency and accuracy to the picking operation, improving customer satisfaction while reducing costs. Orders initiated in SX.enterprise Order Entry are released to the warehouse for fulfillment. TWL organizes orders by user-established criteria that can include order number, customer, order type, zone, aisle, and carrier. Once selected, the orders are grouped based on the pick logic selected including pick to pack, pick to tote, wave picking, zone picking, and order consolidation.

Features Include:

- Optimized picking algorithms increase productivity
- Cross dock routing reduces material handling
- User-defined order picking process provides warehouse flexibility
- Location and product barcode scan verification increases shipping accuracy

"We went from 60 to 110 picking lines per hour with TWL."

Carl Vaughn,
Refrigeration
Supply Distributor

- Bulk storage location management
- Primary pick location management increases picking efficiency
- Piece and carton picking management
- Operator productivity measurement and reporting

Inquiries Include:

- Pick list by order number, customer, order type, zone, and carrier
- Released/unreleased order browse with order totals and order summary

Order Packing and Shipping Feedback

TWL makes packing an order more accurate and efficient. If you are using a pick-n-pack process for order fulfillment, the order can be packed as it is picked, eliminating the packing step altogether. If you need to consolidate by order or customer, the system tracks the locations of the order totes and assists in order assembly. Using RF devices assists in verifying that the correct items/totes are consolidated. Information is tracked at the carton, pallet, container, and/or trailer level allowing this information to be included in ASN transmissions. Packing list, shipping labels, bills of lading, dispatch notes, and carrier manifests are provided.

Features Include:

- Order verification
- "Pick to Pack" or "Pick to Tote" available
- Shipping feedback to order
- Shipping manifest, bill of lading, packing list
- Shipping container markings
- Order tracking
- Pallet build
- Sorting by carrier
- EDI ASN document

Inquiries Include:

- Packing list details
- Shipments by customer by line item
- Detailed ASN and shipping log
- Orders not shipped

Inventory Adjustments

The Inventory Adjustment function allows for directed physical and cycle counts on the warehouse floor through use of an RF terminal. Data from the count process is immediately updated to the warehouse system and then communicated to SX.enterprise for any necessary adjustments to inventory and the general ledger.

Features Include:

- Physical and cycle counts during normal operations
- Real-time inventory updating
- System generated counts based on ABC classification
- Discrepancy counts generated by system
- Zero pick verification
- Random item or bin counts
- Physical counts
- Extensive operational and managerial reporting

Inquiries Include:

- Inventory summary
- Inventory by bin, lot reference, serial number

