Leading with

e-distribution™

e-wms is a reliable, powerful and robust warehouse management system for wholesaler distributors that operate a complex and sophisticated distribution operation. The system optimizes all the resources in the warehouse by automating the materials handling process and providing productivity tools. To ensure that your business stays competitive, e-wms allows you to cut costs, increase productivity, fulfill orders accurately while improving customer service.

Productivity and profitability are achieved by maximizing the use of resources within the warehouse including labor, equipment, storage, space and inventory. The pick-pack-and-ship operation can be finely tuned using a variety of sophisticated picking strategies and storage alternatives. To boost productivity even further, warehouse automation equipment and a shipping system can be integrated.

Efficient and Accurate Order Fulfillment

- Interactive verification-barcode scanning
- Handle goods once
- Paperless operation
- Minimize travel
- Eliminate searches
- Flexible picking methods
- Integrated Shipping system
- Warehouse Automation Equipment
- Multiple zones

With e-wms, orders are handled efficiently and accurately by using barcode scanning capabilities. The system is completely paperless, eliminating the many errors associated with paper being misplaced or filed incorrectly. Every movement of materials in the warehouse is interactively verified using barcode scanners to guarantee accuracy.

Optimized Productivity With A Flexible System

- Optimizes management of work and equipment resources
- Prioritize and sequence work
- Multiple work zones
- Integrated shipping system
- Optimize warehouse space
- Minimize travel
- Replenishment options

To boost productivity in the warehouse, e-wms optimizes management of work by prioritizing and sequencing the work that needs to done. The system manages a multitude of work zones, multiple sites, and multiple types of locations. Its tremendous versatility allows you to use an array of picking styles and combinations to get the job done on time.

Warehouse Order Status Screen

Instant Web Access

Using the latest innovations in radio frequency and Internet technology, e-wms provides instant access on the web to real-time data in the warehouse giving your call center, sales force or clients a window into the ware-house. Customer service can track order status online, send e-mail order notification to clients, and track incidents in a number of ways. Sales reps can issue queries on the fly, and check the status of their clients' orders. The possibilities are endless with all the information at your fingertips!

Integrated Shipping

e-wms is seamlessly integrated with the e-wms Logistics Manager (ELM) to provide a complete solution from receiving to shipping. Through integration, dramatic savings can be realized in labor, time and transportation costs.

Comprised of inbound and outbound shipment modules, ELM was created to improve service, increase productivity and lower shipping and handling costs. It provides benefits such as transparent order processing, repeat customer and shipment information, and fast, accurate rate calculation and shipment manifesting.

WAREHOUSE MANAGEMENT SOLUTION

How Goods Flow Through Your Warehouse

After the order has been filled and confirmed, a packing slip will then be printed for the order. Confirmation data can be passed to the host for a packing slip and/or invoicing.

■ Forward Picks - assignment of dynamic bins for "pick off the pallet" seasonal spikes

■ Wave Picks - assemble multiple orders for best path, one warehouse pass picking

■ Batch Picks - pick product for order(s), stage and pack in another

■ Reverse Pick - multiple pickers on 2 sides of a zone meet in the middle to complete order

■ Carton Picking - pick product by designated pack size

■ Hot Picks - rush picks can be flagged as priority

■ Skip Picks - pickers can skip picks awaiting pickbin replenishment and leave to end of pick

■ Shorts - picks can designate picks as shorted if product unavailable

■ Random Bins (pick to empty) - multiple pick locations per product pack level is supported

■ Dedicated Bins - one product per dedicated location is supported

■ Non-dedicated Bins - multiple product per bin location is supported

■ "Special orders" - non-inventory items and backorders are easily picked

Orders Ready to be Wave Picked

■ MH-10 labels - all standard retail and industry group compliance labels supported

■ Custom packslips and invoices - customer specific formats are generated

■ Carton Contents Labels - itemized contents labels for each box can be generated

■ Zone Support - orders can be passed from zone to zone until complete

Shipping

■ Integrated Multi-Carrier Shipping System available

■ Packing slips, Carton Content labels, N/M labels on demand

■ Shipping labels produced at start of picking process

■ Tracking of vital shipping information

■ Estimates shipment cube and weight

■ Compliance labeling and ASNs

■ Automatic Customs and Dangerous Goods documents available

■ Rate Shopping

■ Prints compliant freight labels

■ Automatic manifesting

Picking/Packaging

■ Direct picking to shipping carton(s)

■ A variety of picking styles (i.e. wave, batch, order and product picking)

■ Simultaneous and Sequential Zone Picking

■ Support for carousels and conveyors (may require custom configuration)

■ Forward Picking from fast-flow locations

■ Product Substitutions

■ Carton Picking from dedicated or random locations.

■ Kitting function

■ Order Verification and Price Ticketing in multiple formats

■ Concurrent Replenishment & Picking

■ Group Replenishment

■ Tracking of Serial Numbers and Lot Codes

■ Picking based on expiry dates

■ Slot Management

■ Customer specific labeling

■ Bin assignment with Reachcodes and Sizecodes

Receiving

- Paperless check-in
- UPC verification & labeling
- Cross Docking
- Notification of orders pending for this product
- One-step put-away to bins
- Stock immediately available for picking
- Cross-referencing of supplier part numbers
- Incorrect Shipment Identification
- One or more Purchase Orders can be received at once
- One or more receivers can work on the same order
- Can receive by Product instead of by PO
- RMA Processing
- Random Directed Put-Away
- Efficient Handling of special and non-stock items
- Discrepancy Reports
- Inbound Freight Management
- Low Stock in forward pick Alert

Inventory Control

- FIFO or LIFO Stock Rotation
- Cycle Count by date/product/bin location
- Audited Product Relocation
- Inventory Tracking of product through the warehouse
- Fill Rate Management capability provides a flexible, predictive allocation process
- Track both picking and overstock
- Issues Replenishment Requests based on actual orders (vs. min/max)
- Paperless Replenishment Requests issued as bins run low
- Stock Adjustments
- Slotting Recommendations
- Dedicated, Non-Dedicated and Random bin locations
- Quarantine Management

Replenishment

Replenishment takes place concurrent with other activities in the warehouse. e-wms offers a variety of replenishment options including replenishment by zone, hot replenishment and group replenishment.

With group replenishment, orders can be replenished by customer, region, date, or any other defined sort or filter. These options allow the Dispatcher to organize, prioritize and sequence replenishment to ensure that the flow of goods through the warehouse is optimized.

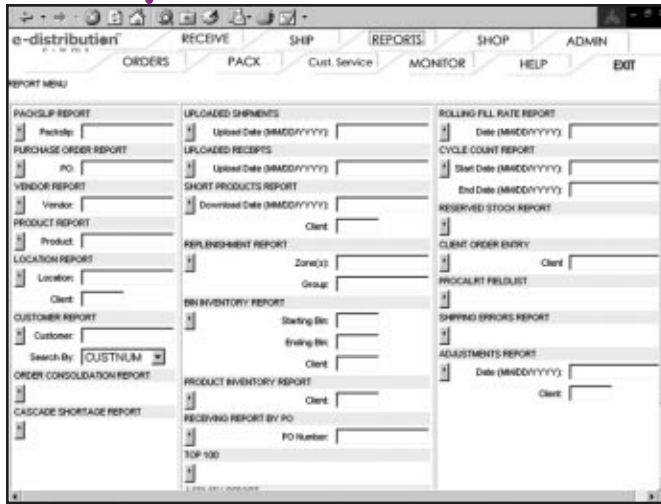**Purchase Orders Waiting to be Received**

Productivity Reports

You can't manage what you can't measure

- Proactively manage the resources within the warehouse for maximum productivity (labor, space, throughput)

- Optimize warehouse space with reports that track the fastest and slowest

e-wms provides predefined report options with up-to-the-minute information using Crystal® reports. Using the reports, management can make decisions based on accurate data. To track labor, a productivity report lists the operations performed by individual employees. A full audit trail can be provided on all operations performed in the warehouse. Warehouse space can be optimized using a "Fill-Rate" report to assign fast-moving items to the "golden" zones.

With e-wms you can constantly take the pulse of your warehouse operation and tune your performance.

Productivity Reports

Customer Service

- Real-time visibility into the warehouse

- Check order status and quantities on hand

- E-mail order notification of order status

- Flexibility of system - allocate stock to priority customers

- Goods shipped accurately and timely

- Assigned Incident Reports

- Tracking incidents with views by order, client, customer, product, buyer and vendor

- Customer lists with shipping history

Consistent Retail Compliance

- Strategic position as vendor of choice

- Avoid retail fines/charge-backs

- Improve customer service

Any distributor who has worked with major retailers knows the headaches that can result from failing to comply such as heavy retail charge-backs. e-wms generates compliant shipping labels and manifests on demand, and extracts data necessary for ASNs. A custom label program is included or can be downloaded from the web. Compliance requirements are continuously monitored and updated to keep you abreast of changes.

Increased Inventory Control

- Inventory Accuracy

- Cycle counting

- Full inventory count

- Decrease shrinkage with FIFO, LIFO, expiration dates