JD Edwards EnterpriseOne Warehouse Management

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KEY FEATURES

- Optimize use of warehouse space
- Improve employee productivity and labor efficiency with full web enablement
- Respond quickly to customer delivery requirements
- Lot, serial, and date control
- Data collection integration
- System-directed put-away and picking
- Comprehensive cartonization support
- RFID processing support
- UCC 128 and EAN Advanced Shipping Notices compliant
- License plate support
- Wave picking
- Replenish automatically or manually
- Zone and proximity management
- Cross-docking
- Mobile applications

The Issue: Matching Your Warehouse to Operational Demand

The warehouse environment has drastically changed. As a result of customer demand for faster and more accurate deliveries, the emphasis is now on accelerating product flow and managing costs. To complicate the issue, customer- mandated product customizations, such as order assembly, packaging requirements, RFID mandates, and other delivery requirements, are becoming the norm. Your challenge is to manage this increasingly complex use of your facilities and the greater demands on your employees' time efficiently and effectively.

The Solution: Flexible, Integrated Warehouse Management

Oracle's JD Edwards EnterpriseOne Warehouse Management provides the flexibility and automated support that you need to achieve better customer service and to lower operating costs. Advanced rules-based stock location and directed movement logic help you to dramatically improve warehouse labor efficiency and space usage. And, full integration with sales, purchasing, manufacturing, and transportation enables you to meet your customers' preferences for how they want their orders sourced, made, packaged, and shipped.

Optimizing Space Usage in Your Warehouse

How should your warehouse be organized? What is the best location for certain items based on demand for the goods? What special storage requirements need to be considered?

JD Edwards EnterpriseOne Warehouse Management is a user-configured, rules- based system that helps you automate storage and handling decisions. With flexible warehouse location and item storage definitions, you can:

- Identify location put-away, picking, replenishment zones, and relative coordinates for system configuration of optimum move-path sequences.
- Assign characteristics to each location and each item or item group to ensure the most efficient use and proper storage configurations and capacities, such as fast moving, bulk, easy access, and high-rack dry goods.
- Designate areas for special-need products, such as frozen goods, hazardous

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- User-defined, rules-based processing
- Cartonization based on volume, quantity percentage, or item standard pack sizes
- Multiple shipping and receiving locations
- License plate functionality
- Carton recommendations
- Generate carton details
- Multiple units of measure
- Container processing
- Fully web enabled
- Fixed or random locations
- Move-path sequencing
- Proximity determination
- Put-away match
- Commitment swap
- Capacity/weight/volume definition
- Location reservation
- Stacking limits
- Repack
- Gross/usable space definition
- Usage inquiries
- Bulk pick requests
- Parallel processing
- Batch movement confirmations
- Location and item characteristics and dimensions
- Warehouse availability inquiry tablet
- Access to UX One role-based pages for Warehouse Manager

materials, and returned goods.

- Specify gross and usable dimensions and weight limitations by location, item, and item group for automatic system calculation of volume and capacity checking.
- Reduce labor and time to transact put-away, pick, and replenish activities.
- Ensure product cartonization based on volume, quantity percentage, or item standard pack sizes.
  The Carton Recommendation Report displays carton detail information regarding the packing structure.
- Improve response to pricing and put-away discrepancies by identifying overflow, variance, and holding locations for items that require exception handling and reporting.
- Direct movement of inbound, cross-docked quantities immediately to the shipping area—saving warehouse space and increasing turnaround time by not putting items away on the shelf.
- Save shipping and handling costs with system calculation of container size for repack items.

Increasing Labor Efficiency

How much time and money is wasted when employees have to move back and forth in an inefficient attempt to put away materials and pick orders? Is the warehouse configuration set up with top sellers close to the shipping dock to reduce labor time during put-away and retrieval? What happens to your order fulfillment cycle times when your warehouse is not organized to allow for maximum efficiency and throughput?

With JD Edwards EnterpriseOne Warehouse Management, you can make the best use of your employees' time and significantly improve throughput with the ability to:

- Virtually eliminate unproductive back-and-forth trips through the warehouse with system-directed put-away, picking, and replenishment based on advanced movement logic.
- Create material move rules based on factors such as unit of measure and minimum and maximum levels.
- Support wave, zone, and break-bulk picking—with the additional capability to manage items picked directly to a carton, container, or pallet—eliminating a separate packing step.
- Integrate with bar code and radio frequency data collection devices to ensure the accurate tracking of items.
- Support cross-docking to speed flow of material from receipt to shipment.
- Perform license plate functionality that simplifies transaction processing which in turn provides an immediate and accurate response to license plate inquiries, statuses, and history.
- Real-time visibility to pallet, container, and part information via the creation of EPC numbers.

Improving Customer Service

In addition to delivery speed, customers are demanding precision, reliability, and shipment variability. Often this means shipping fewer products more frequently or putting together split-pallet and split-case "variety packs" to manage loads to customer specifications.

With JD Edwards EnterpriseOne Warehouse Management, you are able to respond quickly to such customer demands, thereby driving revenue through increased customer

satisfaction. You can:

- Integrate with JD Edwards EnterpriseOne Sales Order Management to document customer packaging and delivery preferences in system profiles that automate order fulfillment instructions.
- Establish warehouse zones to identify areas for product allocations to be apportioned among selected customers or customer groups.
- Facilitate system links to material handling equipment, carousels, sorters, converters, and pick-to-light systems for increased accuracy.
- Easily modify staging areas and movement strategies in response to changing customer, assembly, packaging, or storage requirements.
- Support UCC 128 compliance and EAN Advanced Shipping Notices (ASN) to streamline your customers' receiving processes.

Enhancing Value Through Integration and Collaboration

Because JD Edwards EnterpriseOne customer order management and logistics modules are completely integrated, a process flow can be created to take the incoming order and send it directly to the most appropriate operation. Sales orders can automatically create pick requests or they can be batched for wave picking.

Picking can be automatically delayed until transportation requirements are met.

The cost of any required value-added services can be automatically calculated at the time the sales order is created. And, integration with JD Edwards EnterpriseOne analytics applications helps ensure tight control and measurement of operations.

Efficiencies gained from having one common database include greater information visibility, which enables your company to make better decisions. To truly speed the flow of this information, all the parties involved must have easy JD Edwards EnterpriseOne solutions that are completely web enabled, allowing your employees, vendors, and customers to make secure roles-based inquiries anywhere they have access to the Internet.

Access to UX One role-based pages enables Warehouse Manager to easily access, review, and act upon important information to accelerate product flow, thereby providing better customer services and managing costs effectively.

Solution Integration

- JD Edwards EnterpriseOne Financial Management
- JD Edwards EnterpriseOne Customer Relationship Management
    - Sales Order Management
- JD Edwards EnterpriseOne Manufacturing
    - Manufacturing—ETO Foundation
    - Manufacturing—Shop Floor Management
    - Quality Management
    - Requirements Planning
- JD Edwards EnterpriseOne Supply Chain Planning
    - Order Promising
- JD Edwards EnterpriseOne Supply Chain Execution (Logistics)
- JD Edwards EnterpriseOne Supply Management (Procurement)
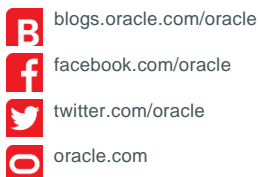- JD Edwards EnterpriseOne One View Reporting for Warehouse

- JD Edwards EnterpriseOne Mobile Applications

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