BlueYonder

Warehouse Management

Maximize service levels, throughput, and efficiency in real-time

Business Context/Challenge

Shippers and logistics service providers (LSPs) are challenged with managing their warehouses in an increasingly demanding environment. Warehouses are challenged to perform more complex processes, achieve near-perfect inventory accuracy, and deliver high throughput – all while meeting more aggressive shipping cut-off times. Meanwhile, this must be done cost-efficiently to offset heightened labor and resource cost pressures. These factors intensify the demand for advanced warehouse management systems to serve as the mission-critical system that intelligently manages and orchestrates today's dynamic warehouse operations.

The Blue Yonder Solution

Blue Yonder Warehouse Management optimizes end-to-end warehouse processes through system-directed activities and embedded intelligence incorporated over decades of customer-centric development. The comprehensive range of features and functionality includes yard management, intelligent put-away, direct cross-docking, advanced inventory management, system-directed build-to-stock and build-to-order production lines, wave planning with configurable rules, numerous pick methods that can be deployed simultaneously, and efficient staging, loading, and shipping.

Blue Yonder Warehouse Management is adaptable to the unique needs of diverse warehouse operations. An expansive library of configuration settings allows for easy configurability to meet distinct and evolving requirements. Configurable workflows enable users to develop automatic processes to their preferences. Extensibility tools empower customers to develop screens and logic that present information tailored to their specific needs. Blue Yonder continues to expand and harden its update-safe strategy via pre/post API extensibility to enhance long-term customer value.

Increase throughput by
50%

Reduce fulfillment, storage and handling costs by
50%

Achieve inventory visibility and accuracy of nearly
100%

Capability Offerings

Yard management

Manage all aspects of the yard from check-in, equipment movements, yard and dock doors assignments, resource status, audits, and check-out for streamlined yard management to improve efficiency and throughput.

Inbound processing

Gain visibility into inbound shipments, identify discrepancies, and streamline operations with system-directed receiving and unloading, intelligent put-away, and directed cross-docking. Efficiently conduct reverse logistics operations with rules-based disposition and next-step processing such as return-to-stock.

Inventory management

Optimize the storage, handling, movement, and tracking of all types of raw materials, work-in-process, and finished goods inventory. Apply an extensive range of inventory attributes, movement rules, stock rotation strategies, aging and allocation profiles, and replenishment types to intelligently direct and utilize inventory and resources.

Production management

Seamlessly manage kitting, assembly, disassembly, and light manufacturing from line scheduling through finished good receipt for build-to-stock or build-to-order environments in the warehouse. Plan work orders based on sequence or priority and leverage multi-level BOMs to direct the work order process. Allocate component items and deliver to processing locations while tracking components and their attributes. Receive, reconcile, complete, and close.

Resource management

Enable self-directed and system-directed work in the same environment across manual, automated, and hybrid operations. Establish rules for task assignments based on permissions, priority, and proximity. Create priority escalations based on time, location, and order type. System-directed mode determines the next, optimal task by operator. Our integrated Warehouse Labor Management improves workforce productivity through coaching, labor planning, process modeling, and performance visibility. Leverage the Blue Yonder Warehouse Execution System to automate 98% of all task management in your warehouse.

Outbound operations

Optimize outbound operations with accurate, timely, and efficient processing to achieve customer service excellence. Utilize comprehensive wave planning to logically group orders for efficient processing. Implement intelligent systems for multi-method order picking, packaging, and sequenced loading that maintain document compliance throughout the process. Streamline outbound parcel operations with seamless parcel vendor agnostic interface.

Key Benefits

- Expansive range of features and functions established over decades of customer-centric development assure that specific and diverse requirements and proven practices are supported.
- Intuitive and comprehensive configurability supports intricate business processes and adaptability without costly customizations.
- Sophisticated processes optimize productivity, performance, and efficiency across every step of your warehouse operation.
- Advanced inventory management functionality supports targeted practices

Key Features

Advanced functionality

Industry-leading breadth and depth of features and functionality supporting the world's most complex warehouse operations.

Configurable user experience

Expansive library of configuration settings and workflows for precision and adaptability.

Sophisticated processes

Sophisticated product flow, movement paths, allocation, and task processing for optimal performance.

Comprehensive inventory management

Extensive inventory status, movement, rotation, handling, treatment, and tracking capabilities.

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