

WAREHOUSE CONTROL SYSTEM

Optimize Material Flow and System Performance

W&H Systems' Warehouse Control System (WCS) software is a product of many years of research and practical experience in warehouse and distribution center automation and controls. Key capabilities of the WCS systems include relieving a customer host computer of managing a real-time material handling automation interface, maximizing system throughput and performance while utilizing the most efficient methods for pallet, case and item routing.

BREAKPACK MERGE A MERGE B COMBINER OFFICES SHIPPING

RECEIVING & CROSSDOCK SORTATION SYSTEM

OPERATION

W&H Systems' WCS systems are PC-based and are designed to handle all the physical aspects of a warehouse or distribution center, including material handling equipment control, stock location mapping, inter-location movement control, inter-zone routing, allocation of stock to dispatches, order management and dock door interface control, all within unlimited operator interface. Material handling equipment control includes control of cranes, trucks, conveyors, carousels, sorters and other equipment using network. radio or infrared communication

The WCS picking capabilities include support for various picking models, such as paper pick lists, RF terminals, goods-to-man picking robots, voice controlled and pick-tolight; support for fixed and dynamically assigned picking locations: automatic replenishment based on minimum level or future demand; picked container building to defined rules of height; weight and stock segregation; consolidation of pick requirements into waves' pick walk minimization; and configurable workload balancing.

W&H Systems' WCS systems operate as self-maintained units requiring no user interaction for file and system elaborate statistical maintenance, providing diagnostic graphics and reports for maximum systems uptime and recommending equipment maintenance based on run-time and/or maintenance schedules.

BENEFITS

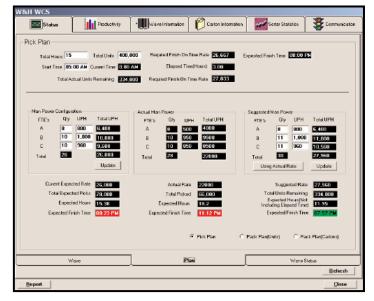
- Maximizes Throughput & Performance
- Optimizes Material Flow
- Order Management
- Diagnostic & Statistical Graphics & Reports •
- Sophisticated Productivity Tracking & Planning
- Real Time Interface to material Handling Equipment
- Universal Sub-System Support
- Relieves WMS/ERP of Real Time Decisions
- One Port Real Time Connectivity to ERP & WMS
- RFID Compatible
- Easy to Use Intuitive GUI/Windows Interface

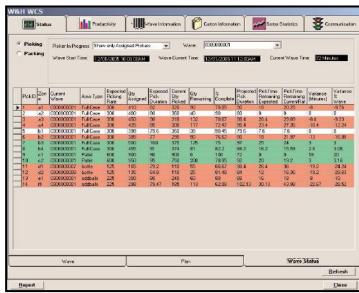
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ZONE DIRECTED PICK AND PASS

Directed Pick and Pass is a software package that directs customer orders throughout the distribution center for picking product where it is stored. This package allows the work to be brought to the pickers/packers at the storage and picking locations. Benefits include quicker order turning times and more efficient picking.

WAVE CREATION

Wave Creation is a software package that optimizes the picking and sorting by creating waves using custom algorithms, tailored for the customers' business need and product movement profiles. W&H creates the most efficient way to pick the days work and optimizes sorting of the product

WIRELESS MANIFESTING

Wireless Manifesting uses the newest technology in wireless narrow band RF scanners, with displays, to allow the distribution center personnel to keep track of the location and contents of individual cartons or shipping trailers. Periodic audits of outbound or inbound deliveries can be performed routinely to ensure shipment integrity. Audits of carton contents can also be performed. Quick and efficient carton contents or trailer contents allow the DC to have a higher degree of accuracy.

RETURNS

Our returns processing software allows the customer to process returned product quickly and efficiently, whether the returns are to be re-stocked in the DC or returned to the vendor. Returns are a growing part of every business - quick processing of the returns results in the found revenue and cast flow.

ENERGY MANAGEMENT

The Energy Management program provides power (and cost) savings to the DC by running off areas of the conveyor system when areas become inactive. Power companies often provide financial assistance to the DC when this program is implemented.

PREVENTIVE MAINTENANCE PACKAGE

The Preventive Maintenance software package allows the maintenance departments' complete flexibility in scheduling PMs, tracking component maintenance history and ordering spare parts. This package is capable of scheduling and tracking PM activity on everything in the facility, from boilers to conveyors to HVAC. There are no surprises to the maintenance staff when using the features of the PM Package

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