RFBS

NAVIGATOR WMS

Navigator WMS

BEST PRACTICE WAREHOUSING

Navigator WMS is a best-in-class warehouse management solution designed to improve profitability by reducing errors and driving increased efficiency. Navigator can deliver accuracy levels up to 99.95% using tools including barcode scanners and voice directed computers.

The ability of a warehouse management system to create unparalleled transparencies in all facets of the supply chain is not only valuable, it can be the edge that separates your company from its competition.

Navigator helps you to manage the warehouse by providing real-time information to supervisors, and real-time checking of warehouse operations.

Designed to be user friendly, the system features graphical user interface (GUI), powerful query capabilities, multiple data views, built-in security, fully integrated RF Task management, graphical label design, internet accessibility and more. The product excels at high-performance receiving, put away, replenishment, allocation, picking and shipping. The system can be delivered standalone or connected to the most popular accounting solutions.

ACCURACY

Navigator improves accuracy by guiding workers through their daily tasks. Navigator uses technology including scanning and voice recognition to ensure that orders are shipped in full and accurately. Navigator achieves high rates of accuracy without needing a separate audit/check step.

EFFICIENCY

Navigator provides information to workers to assist them to work more productively. Features including directed (paperless) picking and automated replenishment strategies allow your warehouse to run without constant intervention from supervisors.

ACCOUNTABILITY

Navigator provides real-time information on worker productivity with each task tagged with the user name and time of the action. Productivity reports allow management to make informed decisions on staffing levels.

Navigator provides real-time control over the picking process to the warehouse manager via an easy-to-use web interface.

Navigator records detailed information about each pickslip including the user who performed the work, the quantity picked and the total time taken to perform the action.

Navigator WMS Features

ORDER PICKING

Navigator's directed picking module uses an internal map of the warehouse to provide clear instructions to the picker. By breaking down the warehouse into aisle, bay, level and position, the picker can travel directly to the pick location. Accuracy is checked in real-time, with pickers challenged to scan the correct barcode or speak the product's 'check digit' in order to receive the pick quantity.

Navigator saves labor by allowing you to select the most appropriate method of picking for your warehouse and supports:

- Order at a time picking
- Merged/batched order picking
- Fragmented (split) order picking
- Zone based order picking
- Lot based picking
- Put to tote
- Bulk pick and put to order

Each warehouse is unique, and Navigator allows the right technology choice to be matched with the right order picking method. Navigator supports:
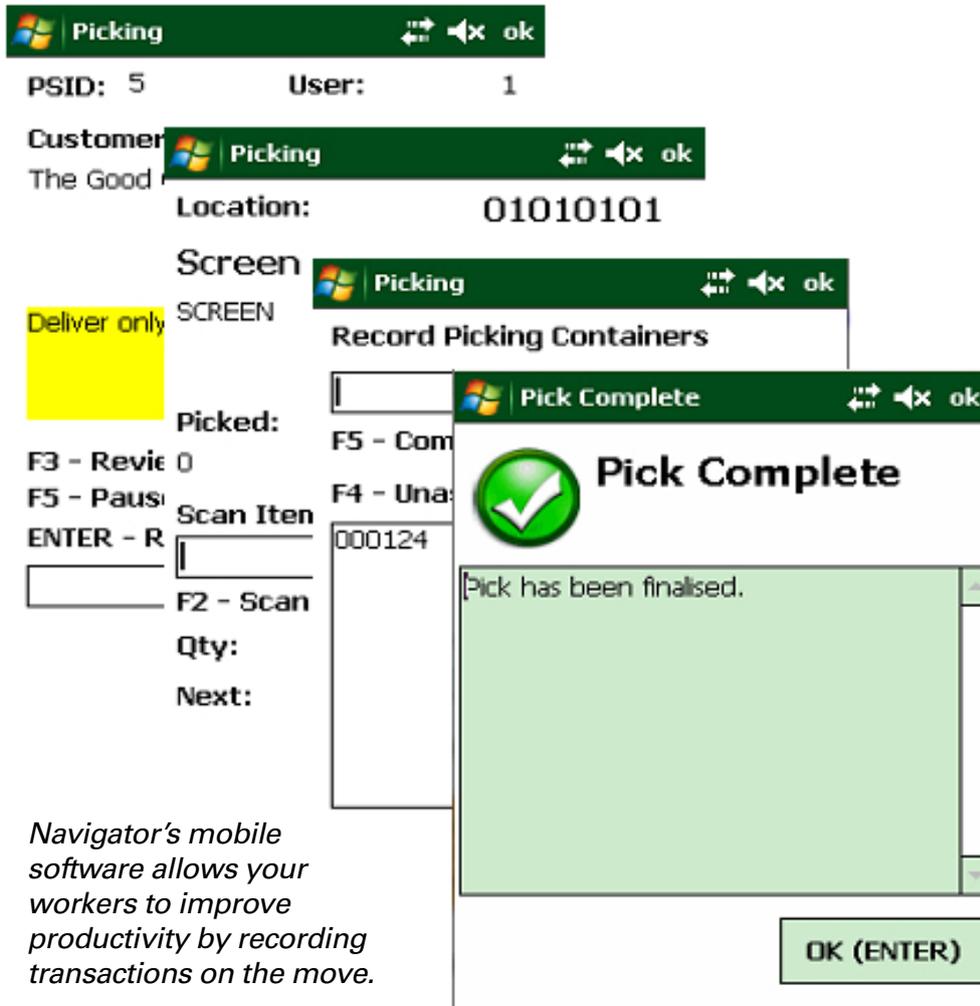
- Pick by barcode scanner
- Pick by label
- Pick by Vocollect Voice

DETAILED INVENTORY

Navigator improves your inventory visibility by allowing stock to be tracked across multiple warehouses, in an unlimited number of bin locations with inventory transactions updated in real-time. Navigator extends the information available in your accounting system with support for:

- Multiple barcodes and carton sizes per stock item
- Product and location check digits
- Pallet/lot number management
- Serial number tracking
- Batch number tracking

Navigator's mobile software allows your workers to improve productivity by recording transactions on the move.

INWARDS GOODS

Navigator's inwards goods process allows workers to quickly search for purchase order information and create receipt documents based on data downloaded from your accounting system. Goods may be checked off the purchase order by scanning the product's barcode, entering in supplier codes or selecting from the list of ordered items. As each item is received, Navigator displays real-time inventory and demand information, allowing a decision to be made on where the goods should be stored. Goods may be stored in a staging area, placed directly into bulk storage, placed in the picking location or onto multiple lot-numbered pallets. This flexibility in deciding where goods should be stored allows the warehouse to reduce the amount of double-handling of products, saving time and money.

PUTAWAY

Navigator provides a directed putaway function to quickly transfer stock from inbound pallets directly to the correct picking location. Through a series of confirmation steps, Navigator verifies that items are always placed in the correct location.

Navigator WMS Features

REPLENISHMENT

Replenishment requests are automatically generated by inventory movements and overnight jobs. Each request is prioritized and can be assigned to workers across the entire warehouse, a single zone or single warehouse aisle. Workers review bulk stock in FIFO sequence and complete jobs by transferring inventory into the correct location. Navigator is also smart enough to automatically detect and remove unnecessary replenishments which can occur through other tasks (e.g. when the picking location is filled by stock arriving from a supplier.)

Navigator is an advanced warehouse management system including a suite of integrated modules designed to improve efficiency, reduce mistakes and assist you to better manage your distribution center resources.

CYCLE COUNTING

Navigator's cycle count functionality allows for both planned and unplanned inventory checks to take place. Cycle count rules automatically create count jobs, which may be performed using a mobile scanner or integrated as part of a "voice pick". A complete history of cyclic counts is recorded for audit purposes with count information available to supervisors to "approve" or schedule a re-count. Navigator also allows for real-time inventory adjustments for authorized users.

STOCKTAKE

Navigator includes a stocktake module, allowing an inventory snapshot to be taken with variance reports produced by product, location or product classification. Count records can be reviewed, altered and accepted to ensure your inventory values remain accurate.

SECURITY

Navigator includes a comprehensive and customizable security model with customer-defined permissions granted through the assignment of users to roles and task codes.

REPORTING

Navigator includes statistical reporting on warehouse activities, including:
*   User productivity statistics (e.g. items/lines picked per hour)
*   Product statistics (e.g. fastest/slowest moving items)
*   Inventory statistics (e.g. bins requiring replenishment)
*   Custom written reports

All reports can be exported to Excel for further review and analysis.

INTEGRATION

Navigator is compatible with all ERP/accounting systems and includes generic SQL, XML and CSV file interfaces.

We have pre-built and tested interfaces for the following products:
*   Arrow
*   Asset
*   Attache
*   DCS 2
*   Momentum Pro
*   MYOB Exonet
*   Netsuite

SYSTEM REQUIREMENTS

Server:
*   Microsoft Windows Server 2003 or later
*   IIS with ASP.NET and .NET Framework v4.0
*   8GB disc space
*   8GB ram

Database:
*   SQL Server 2008 R2 or later

Order Picking Case Studies

ORDER PICKING - BY EXAMPLE

Delivering the correct product to your customer in a timely fashion is what differentiates your business from your competitors. When you are looking for a warehousing solution, don't just put in the "barcode scanning" system your ERP vendor may have shown you.

Take the opportunity to work out a new process which can save you both time and money.

Navigator has been selected to replace paper and scanning based solutions due to the real business benefits we deliver. Navigator clients have:

- Batched multiple small orders together to pick in a single pass through the warehouse - reducing travel time and freight costs.
- Split large orders amongst multiple pickers to meet dispatch deadlines.
- Split orders across multiple zones to reduce travel time.
- Increased accuracy even when stock items are not barcoded.

We have compiled examples of the ways in which Navigator has transformed warehouses. For advice on streamlining your warehouse, call RFBS on 1300 136 419.

SCAN PICKING

Prouds Jewellers (www.prouds.com.au)

All Seasons Homeware (www.allseasonshomeware.com.au)

Engine Australia (www.engineaustralia.com.au)

Darley Aluminium (www.darleyaluminium.com.au)

Navigator's scan pick module improves the picking performance of these customers by sorting picking instructions to match the warehouse layout. The system ensures the correct item is shipped by forcing the user to scan the correct product or carton barcode.

PICK BY LABEL

Rover Mowers (www.rovermowers. com.au) pick via label. Each mower or ride-on leaving the warehouse is labeled with an SSCC barcode and scanned to confirm picking of the item.

BATCH PICKING

AME Products (www.ameproducts. com.au) pick multiple orders in a single pass through the warehouse. Orders for the same customer and address code are merged, reducing the time taken to pick orders by 60%.

PICK BY VOICE

Splosh (www.splosh.com.au) pick item at a time, with instructions sorted by the pick path defined for the warehouse. The voice terminals replaced an existing fleet of barcode scanners.

MDI Australia (www.mdiaus.net. au) pick each order in two passes. This allows a more streamlined workflow for the packers who are able to pack the loose items before the full carton section of the order is completed.

HBW Foodservice (www.hbwfood. com.au) picks stock across multiple warehouse zones (dry, chiller and freezer). The system ensures accuracy by asking the user to read product check digits as an item is picked. Labels are automatically printed for each carton shipped.

NAS Australia (www.nasaustralia. com.au) pick their range of TV antennas and accessories. With 90% of the items in the warehouse not barcoded, the system ensured accuracy by challenging the user to read the correct location check-digit.

S&S Wholesale (www.sswholesale. com.au) pick their range of stationery and art supplies using voice, reducing pick times by over 30%.

FRAGMENT & ZONE PICKING

Unique Health Products (www. uhp.com.au) use Zebra printers and Intermec computers to pick their range of health food products across multiple warehouse zones.

Calvista Australia (www.calvista. com.au) break large orders into fragments for picking by multiple staff simultaneously on Intermec CK71 scanners.

LOT NUMBER TRACING

Accensi (www.accensi.com.au) use Navigator to control a print and apply system. Intermec CK71 mobile computers are used to receipt, store and pick lot numbered pallets in FIFO order.

The right tools for the job

FIT FOR PURPOSE HARDWARE SOLUTIONS

Navigator supports both hand-held and vehicle mounted mobile computers from Intermec in addition to voice-directed technology from Vocollect. Warehouses run on Navigator can equip their workers with the most appropriate tool for each warehouse task:

HAND-HELD COMPUTERS

Hand-held scanners (e.g. Intermec CK71) run the majority of warehouse setup and management functions. These devices can be used for all warehouse tasks including receipting and picking.

VEHICLE MOUNTED COMPUTERS

Vehicle-mount computers are useful when dealing with full pallets of items and where warehouse staff do not need to manually handle individual cartons. These can be deployed across a wide range of areas including receipting, put-away, picking and replenishment. Workers can scan pallet barcodes without getting off their forklift using long-range barcode scanners.

WIRELESS INFRASTRUCTURE

Navigator is compatible with 802.11b/g/n wireless deployments. Navigator has been deployed using Cisco and Motorola equipment.

BARCODE LABEL PRINTERS

Navigator is integrated with Bartender from Seagull Scientific, allowing barcoded labels to be printed on demand to the worker's closest printer. Navigator is compatible with fixed and mobile printers from leading vendors including Intermec and Zebra.

VOICE-ENABLED COMPUTERS

Voice-enabled computers (e.g. Vocollect A500) allow workers to pick "hands free". The picker does not need to carry a scanner or paper pickslip and can pick more items per hour with fewer errors. Voice systems also reduce damages to both product and mobile computers.

HAZARDOUS LOCATION COMPUTERS

In areas where a risk of fire or explosion exists, devices like the Ecom Instruments Ci70 (built using the Intermec CN70) can be safely used by operators.

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