



**Frontline**  
IT Consultancy

# WAREHOUSE MANAGEMENT SYSTEMS (WMS)

# FRONTLINE WMS

Warehouse management software is not just for large organisations. A growing number of small and mid-sized businesses are benefiting from improved efficiencies and reduced costs associated with their warehouse through the use of warehouse management software.

SAP Business One has comprehensive warehouse management capabilities, allowing you to maintain multiple warehouses with many bin locations in each, recording items as they come into a warehouse, are checked/tested, put-away, picked and delivered. It also allows you to control the movement of stock between locations within a warehouse or between warehouses.

The system has screens intended for use on PCs and laptops. Frontline WMS provides the ability to use SAP's warehouse management capabilities from ruggedised, handheld barcode scanners for booking-in, picking, delivering and doing stock transfers.



# IS WMS RIGHT FOR MY BUSINESS?

- Do you need to know where stock is located, not just how much is available?
- Do you need to know how much stock is allocated and how much is free to promise?
- Would you like to scan a bar code rather than manually type in the item code?
- Do you need warehouse operations connected to your back office system?
- Do you buy in bulk and sell in smaller quantities, requiring different quantities of measure?
- Do your customers receive the wrong orders?
- Is inventory being misplaced?
- Are your warehouse staff working overtime to meet demands?



A photograph of a warehouse aisle with high ceilings and industrial lighting. A worker wearing a dark jacket, white boots, a white cap, and a face mask is standing in the center, holding a clipboard and looking at it. The aisle is lined with tall metal shelving units filled with pallets of goods wrapped in clear plastic. A dark blue rectangular box is overlaid on the right side of the image, containing the text 'BENEFITS OF WMS'.

# BENEFITS OF WMS



- **Faster Data Entry** - A barcode scanner typically records data five to seven times faster than a skilled typist.
- **More Accurate Data Entry** - Keyboard data entry typically suffers from at least one error in every 300 keystrokes. Barcode data entry has an error rate of about 1 in 3 million.
- **Increase Productivity** - By allowing for faster and more accurate data entry, the productivity of your warehouse staff is increased without impacting on accuracy.
- **Reduce Labour Costs** - By improving the speed and accuracy of your warehouse staff, you can minimise the additional temporary staff required during peak periods.
- **Improve Customer Service** - By minimising the number of incorrect deliveries, not only are you saving cost on returns, your customers are benefiting from an improved customer experience.
- **Minimise Over Delivery** - There is an almost unquantifiable cost associated with over delivering items to a customer. How often has a customer told you that they have been sent more items than they have paid for?
- **Reducing Stock Levels** - The accuracy of stock control achieved when using barcodes can give you the confidence to lower stock levels without fear of failing to fulfil customer orders, either because you are out of stock or because stock can't be found in the warehouse. Keeping fewer items in stock reduces the amount of money tied up in stock.
- **Reduce Warehouse Costs** - By minimising stock levels, you can optimise the warehouse space either resulting in a reduced need for space or making better use of the additional space created.
- **Better Decision Making** - Real time, accurate information about stock levels allows you to make informed business critical decisions.





FUNCTIONALITY



## PICKING

- **More Elsewhere:** If there are not enough items available at your existing location, 'More Elsewhere' will advise on alternative locations where stock is available.
- **Change Unit of Measure:** Allows you to break up packs of items into individual items or bring together individual items into one pack.
- **Walk Route:** Suggests the most efficient route in order to pick a number of items based in different locations throughout the warehouse.
- **Rapid Picking:** Frontline WMS performs quickly regardless of the size or complexity of the Pick List.
- **Pick Multiple Orders:** When customers place orders for just a few items it is more efficient to pick several orders at once, using picking trolleys with several baskets on, one for each order. Frontline WMS allows each operator to pick up to 10 orders at once, sorting the picks so they only need to make one journey along the pick face to pick all 10 orders. The operator is shown which picking basket each item is to be put into and is also informed if they need to pick items for multiple orders from the same bin.
- **Rapid Picking of Batch/Serial Controlled Items:** Save time when picking batch/serial controlled items. For products that do not have their batch / serial number printed as a barcode, Frontline WMS has a one-click way for the user to confirm that they have picked the expected batch/serial number.
- **Pick for Production Orders:** Gain the same benefits when picking for Production Orders that are gained when picking for customer orders. Once picking is complete, WMS creates the Issue for Production document in SAP Business One.
- **Pick for Stock Transfer Request:** Saves time when transferring stock to another branch/depot or picking consignment stock that is being sent to a storage location at a customer's site.



- **GRPO:** Accurately check items received from a supplier against items ordered at the point of delivery.
- **STOCK TRANSFER:** Where stock is held at an alternative warehouse or 3rd party warehouse upon goods receipt, 'Stock Transfer' manages the movement from this initial location to an alternative warehouse. Stock Transfers are also used when moving stock from bulk locations to replenish pick faces.
- **ITEM INFO:** Scan any item to find all the associated details (Bin Location, Warehouse, All Locations, etc)
- **LOCATION INFO:** Can be used to scan a bin and show the contents it should contain. Ideal for a Warehouse Manager to check on an ad hoc basis if there are any concerns about the contents of a bin or the location of certain items.
- **PACKAGING:** Pack items into multiple packages using WMS, with the system then filling out the Packing Slip in SAP Business One. Pack items either as you pick them or at packing benches once picking is complete. Packing is compatible with the ability to pick multiple orders at once, so up to 10 orders can be picked into baskets on a trolley and then the orders packed individually using WMS at a packing bench.
- **STOCK COUNTING:** Save time stock counting, by scanning bins and items to populate the Stock Counting document in SAP Business One. The Stock Counting feature works with the Manual Unit of Measure Group (used by most deployments of SAP B1) and items that are either not batch/serial controlled or are batch controlled. Stock Counting of serial controlled items and items for which the Unit of Measure group is not "Manual" are not currently supported.





# HARDWARE REQUIREMENTS



## 1. Handheld Barcode Scanners

Devices must be running a suitable version of Microsoft Windows with a resolution of at least 320x240 (QVGA) in portrait orientation. Examples include the Motorola MC9190G Handheld Computer. We are happy to advise which devices best suit your requirements.

## 2. Wi-Fi

Strong Wi-Fi coverage is required throughout the warehouse minus blind spots.

## 3. Terminal Services Server

Frontline WMS is delivered via Windows Terminal Services. A dedicated server is recommended for running Terminal Services, this can be in a virtual environment.

## 4. Label Printer

Labels need to be printed for items without barcodes, and to identify bin locations. We can advise which label printers best suit your requirements based on a range of factors including label type, label size and how mobile the printer needs to be.



# Get in touch

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