



## NEWSLETTER

### DATASCOPE WMS GOES LIVE IN THE GREAT WHITE NORTH!

DanESCO, a Montreal-based, leading distributor of kitchenware products and accessories throughout Canada and the United States, selected to implement DATASCOPE WMS in February 2015.

This project formed a milestone for DATASCOPE, as our first international project. We proudly partnered with Logi-Solutions Inc., a new DATASCOPE service provider based in Montreal, to implement and support DanESCO.

After thorough process & material flow analysis, the project team agreed on a new warehouse layout, to move entire departments and functions into new areas as well as setup a single pickface bin per stock code. This had to be completed before stock take, while the warehouse was still operating, and was very well executed by DanESCO with valuable buy-in from all levels of staff.

Stock take kicked off on June 16th, with Go-live officially beginning on June 22nd. The site has seen large improvements in picking speed and checkout accuracy, with the users quickly learning DATASCOPE WMS, even if their home language is French.

New functionality was added to the software for this project namely,

- The creation of Mastershipment numbers to allow improved EDI or grouped order batch release, control and invoicing
- Pack station checkout to allow the recording of packing box dimensions, re-use of existing boxes, boxes specific to skus and customer-specific labels

The main benefits DanESCO has seen to date include

- The ability to replenish the bins at any time of day or night, in the middle of picking
- Cycle counting has been implemented to improve stock accuracy
- Automatic invoicing has improved dispatch speed and handling



- Better visibility in terms of order status, turn-around time and fill rate.

Detailed KPI reports are now in place with targets set. Eric Lauzon, Operations Director, has the warehouse focusing on achieving these targets on an ongoing basis, and had the following comment on the implementation project: **“The implementation of a new WMS was challenging for all our staff at first but it is now so rewarding to see them engaged and interested in their daily performance. Knowing that we are aware of their abilities and that there is the potential for recognition has added a new dimension to the work experience for employees at DanESCO.”**

## WMS ENHANCEMENTS

Every month the DATASCOPE development team works behind the scenes in beefing up the DATASCOPE software and adding new and exciting functionality into WMS. To date, we have 501 enhancements in the pipe-line, in various stages. To appreciate the work required with this number, it is important to realise that every enhancement that is logged has a Functional Spec and a Technical Spec document drawn up. This document is approved and signed off before any development takes place. Once the development is complete, each e-ref is thoroughly tested in various ways internally and often is uploaded to a client's site and tested on a local test environment. Only once all parties are satisfied that all angles have been considered in the testing, will the e-ref be passed and available for an upgrade to a live site.

Some interesting and exciting enhancements we have been working on recently are:

### A. Copy/Paste functionality

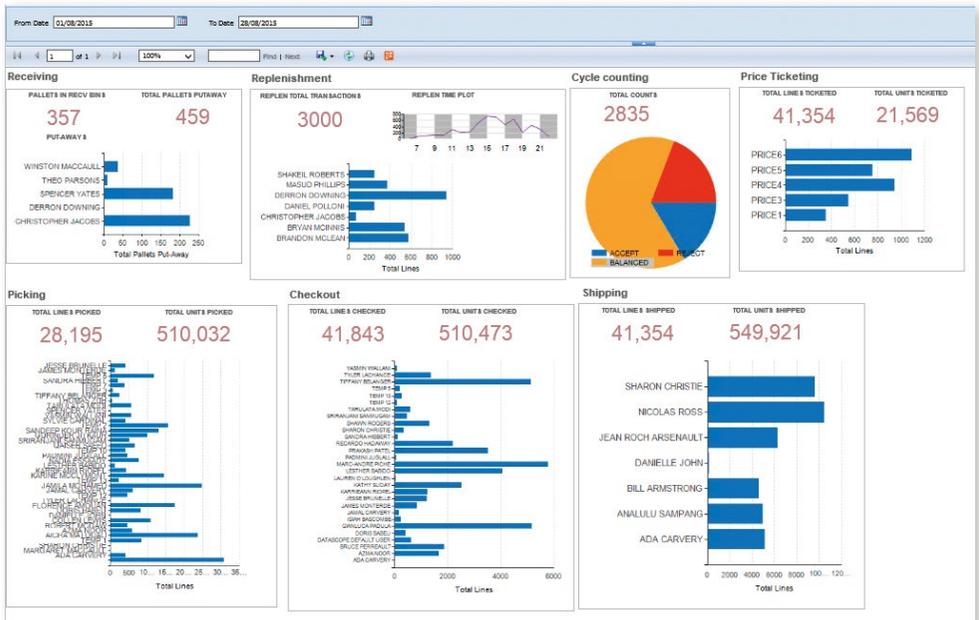
There is a frequent need to toggle between WMS

A101	REVDSA	Receiving	SA
A100	PICKSA	Receiving	SA
A100	REVDSA	Receiving	SA
A10		Copy	SA
A10		View Tracking ID History	SA
A10		Copy StockCode	SA
LOT111	REVDSA	Receiving	SA

windows to compare and analyse data. This requires certain filters to be applied to different screens and reports. We have now added the right-click copy/paste functionality into a large number of windows and reports in version .32 to make this task easier.

### B. Off-site Consignment Stock Module

There is a growing need in certain industries to cater for the control of off-site consignment stock. Although these off-site warehouses are not controlled by DATASCOPE, we have been asked to provide a solution for our clients and have worked with them to



develop a module which caters for their needs.

The Consignment Stock module requires a separate SYSPRO warehouse to be created in which the consignment stock is controlled. This module is designed to manage the incoming stock, the transactions within the warehouse and the outgoing movements. Because there is no physical movement of stock, these different transactions are automatically processed into SYSPRO (via e.net) every day, when the clients' supplier sends a daily EDI Transactional Log file to the client to be processed. This file contains all the movements for the day in the off-site warehouse and, based on certain tags within the file, these transactions are processed automatically into the client's SYSPRO warehouse (e.g. invoices, credit notes, adjustments).

### C. Operational Dashboards

The greatest benefit of a WMS is the real-time visibility

of progress of almost every warehouse transaction within the operation. The transactional data collected in DATASCOPE is becoming more and more valuable to our clients and we have been working hard on presenting this data in a more graphical way.

We have recently implemented an Operational Dashboard at one of our clients (see screenshot).

This Dashboard is designed to give the warehouse a quick overview of the progress of critical tasks within the operation and can be run for different date ranges.

We feel that the importance of such tools will start to increase as our clients seek to streamline their processes more and more and work on the efficiencies which bring financial results.

If you are interested in working with us to develop specific DATASCOPE dashboards for your company, we would be excited to assist.

## PICKFACE MAINTENANCE CALCULATION

The Pickface Maintenance Calculator is a new addition to the DATASCOPE WMS. The purpose of this screen would be to maintain optimum levels for the pickface locations.

Previously, such a crucial process was done manually by analysing the Sales History for the customers at a SKU level and averaging out the sales over a 1-2 week period. This method gave a "general feel" for the demand on a SKU but it was not very accurate from a real life picking and demand perspective. This manual method didn't take into account that there are peak and lean periods during the year.

The pickface maintenance calculator bridges this gap making the maintenance of the pickface locations easy and accurate as it is based on actual sales order historic data. It is a powerful tool that provides the following functions to the project manager at the initial stages of the WMS project as well as for routine maintenance:

- Analysis of Sales History, based on historic Sales Order demand

- Demand at a weekly bucket level based on averages
- Outlier analysis and drill down
- Bin size, min, max suggestion and manipulation
- Directly updating of the Pickface setups from the screens.

The screen itself is fairly simple. There are parameters provided at the top for filtering the historic sales orders data. Sales orders can be filtered on warehouse and date range.

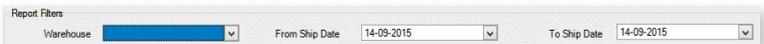


Figure 1: Report Filters

The next group of parameters are used for the actual calculations of the maximum, minimum and reorder levels of the pickface bins.



Figure 2: Required Values

The results are displayed in the grid. The calculated columns have been highlighted, to indicate that these values will be

... continues >





## Continues...PICKFACE MAINTENANCE CALCULATION

updated to the database. The user can hover over the calculated columns to see the formula that has been applied. The colour legend is located top right hand corner for reference. The description of each item is displayed by hovering over the item.

is required, the lines are displayed in black. The aim would be to see all lines in black which means that there are no foreseeable problems with the pickface set-up.

Figure 5: Screen after updating Bin values

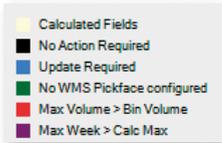


Figure 3: Colour Legend



The first time the results are displayed, the rows will be mostly in green or blue colour, which means that the lines that have no pickface setup (green) or the lines that haven't been updated to the database (blue). All lines are selectable except the ones that have no pickface setup (green). The user can see the calculated values and actual values in the database for comparison. Clicking on "Update Bin", accepts the calculated values of the selected lines. The screen will refresh on success, however, the colour of the lines will have now changed and should not be in blue any longer.

The breakdown of sales order per week can be viewed by right-clicking and selecting "Weekly Demand". This would show the order quantities for a week across the date range entered. This gives the trend of the SKU in order to make a better judgement of how the bin levels would differ during different times of the year.

Figure 6: Weekly Demand

Information  
**Stock Code** B100 - Bicycle  
**Date Range** 01-01-2014 until 15-09-2015

Drag a column header here to group by

MStockCode	Year	WeekNum	MOrderQty
B100	2014	5	1600.000
B100	2014	15	40.000
B100	2014	29	5.000
B100	2015	5	1.000
B100	2015	16	2.000
B100	2015	21	10.000

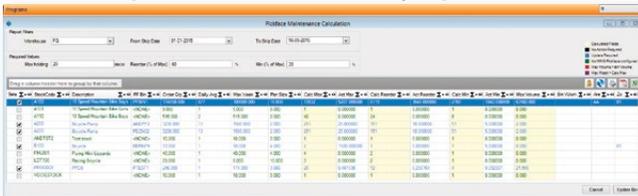


Figure 4: Screen before updating Bin values

The results will either be in black, green, red or purple colour. The red lines are the ones where the bin's volume has been exceeded and the lines where maximum amount in a week exceeds the calculated value appears in purple. These highlighted lines need to be actioned (red, purple and green). If no action

In conclusion, the Pickface Maintenance Calculator is a robust and efficient way to manage and setup the pickface bins in the warehouse. All the pickface bins can be analysed and setup all at once. DATASCOPE WMS is committed to making warehousing simple and this is another step being taken in this direction.