

INCREASING WAREHOUSE EFFICIENCY FOR SWAGELOK

myCCL & SMART WAREHOUSE

ABOUT SWAGELOK

Swagelok manufactures precision valves and fittings for pharmaceutical, petrochemical, hi-tech and military applications which are distributed through more than 200 sales and service centres worldwide.

Swagelok Scotland focuses on providing solutions that drive down costs, while at the same time maintaining high performance and safe systems.

THE CHALLENGE

As part of its overall strategic plan to deliver operational excellence, Swagelok Scotland wanted a warehouse productivity solution that would increase efficiency and traceability, as well as improve customer experience.

Swagelok Scotland faced many of the challenges common in warehouses: inventory accuracy, picking errors and business processes based on moving paper about, as well as the inefficiency of manually capturing batch codes for traceability.

CCL SOLUTION

- Smart Warehouse Solution (formerly called SIMPLE) to enhance Swagelok's ERP system
- 100% reduction in manual data entry from goods inwards, putaway, to pick-pack-dispatch
- Dynamic Wave Picking of multiple orders at the same time to provide the shortest walk order
- Full audit trail with end-to-end batch traceability to support ISO certification
- Multi-carrier shipping management to enable seamless and accurate label production
- Pre-set Business Rules ensure the optimum carrier and service is selected every time
- Branded dispatch notification emails to improve customer service and enhance reputation
- Service, Delivery & Environmental Analysis reports to provide deep understanding of customer and supplier shipment history

THE SOLUTION

Using CCL's Smart Warehouse Solution, all parts coming in to the Swagelok Scotland warehouse are scanned to ensure everything ordered has actually arrived.

For the putaway phase, Smart Warehouse maps products to stock locations and shows the shortest route through the warehouse to put them away. Scanning goods as they are put away ensures all items are stored in the correct location for future picking, and maintains accuracy of stock levels.

An automated file transfer ensures order data from Swagelok's ERP system is readily available in Smart Warehouse for the team to pick. If picking several orders together as a wave then Smart Warehouse calculates the shortest walk order through the warehouse.

Scanners and barcodes are again used when packing orders into boxes to maintain accuracy.

As Smart Warehouse is integrated with myCCL, Business Rules select the best carrier and service for each order (including Swagelok's own vehicles), then automatically create the booking and generate the label to put on the box.

Not only that but the platform also sends emails to customers when an order has been dispatched with the carrier, or is ready for collection.

“The product now has developed to the stage that personally I would recommend it to anybody. I'm very happy, our stores team are very happy, and our customers are very happy.”

Peter O'Connor, Managing Director

THE RESULTS

With CCL's Smart Warehouse Solution, Swagelok Scotland has gained a significant increase in warehouse operational efficiency.

The entire warehouse process moved from one that was entirely manual and paper-based to one that is purely digital with much automation.

For goods inwards, there has been a 60% saving in the time it takes to put away orders.

There has also been a 40% reduction in the time it takes to pick orders.

Using barcodes and scanners ensures 100% accuracy for all orders being shipped—the result of not just an accurate putaway phase, but when scanning goods during picking and packing, any items not belonging to an order are instantly flagged with an alert.

End-to-end traceability of orders and products has improved the customer experience, increasing trust in Swagelok Scotland's systems, with Smart Warehouse perceived as a real brand enhancer within the business.

Swagelok Scotland won a Swagelok Innovation Award, establishing the Smart Warehouse Solution as a leading warehouse productivity solution within the business, and other distributorships have since implemented the same technology.

SUMMARY

- 60% time saving during putaway
- 100% pick and pack accuracy
- 40% time saving during order picking



Swagelok®