TRANSLUTION

TransLution™ Software Manufacturing Processes

Tracking processes in the Food Industry

What is TransLution™ Software?

TransLution™ Software uses barcode scanners, touch-screen computers and direct integration to scales, flow meters, analytical testing equipment and other plant equipment to gather your manufacturing and warehouse information easily and efficiently.

Activities recorded during production and in the warehouse are fed to operators as they happen. Data captured is used to ensure consistent product quality, reduce wastage and provide a historical record of each process. TransLution™ ensures that your data is captured correctly and easily on the factory floor with an extremely simple-to-use interface customized to each user.

Benefits of using TransLution™ Software

- Simplified and accurate data capture.
- Improved stock control and stock accuracy.
- Track labor and raw materials to improve production efficiency.
- Track product lots and batches using FIFO principles
- Integration with SYSPRO and the ability to post transactions directly.
- Capture live shop-floor data for accurate production planning and management.
- Capture quality data to deliver quality reports and improve traceability.
- TransLution™ Software replaces spreadsheets and clipboards, automating manual tasks and making management information available in real-time.
- Log operator activities to better manage operator efficiencies.

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TRANSLUTION™ IN USE WITHIN THE FOOD SECTOR

TransLution™ is often used to improve standard processes such as receiving and dispatch. However, it can also be customized to more advanced uses such as yield management, tracking repairs processes, document tracking, and management of returns. Here are some of the more common implementations of TransLution™ within the food manufacturing and processing industry:

Receiving

Raw materials and packaging can be received using TransLution™. TransLution™ can facilitate Receiving with Inspection, which is often required for raw materials used in food production. It can also be configured to cater for random pallet weights.

If required, receiving can be extended to support various quality functions, either by capturing and recording quality data, or by taking photographs of inbound stock to record problems.

Once goods are received, they are stored in the raw material warehouse. Separation of products by features like allergens, GMO or organic is supported.

Production Picking and Transfer

TransLution™ supports various production picking processes in order to prepare goods for production. Goods can be picked by quantity or, if required, TransLution™ integrated to scales supports pre-production batch weighing and using in-line scales on conveyors.

Once goods are picked for production there is a process to hand over both raw materials and packaging to production. Raw materials can be specifically issued to production jobs to ensure traceability. In the case of packaging it is common to issue these items as floor stock or even as a kit issue.

Production

While in production TransLution™ offers both job status tracking and labor tracking. In some cases, unit counting on production lines is also implemented. In addition to tracking processes, it is also possible to use TransLution™ to do in line quality checks and, if required, the quality process can be enhanced to use photographs to record problems.

Production processes generally end with a Job Receipt being posted to SYSPRO. In many cases, job receipts are done per pallet and TransLution™ can manage the pallet building and labeling process. As with PO Receiving, at the end of the production process TransLution™ can handle job receipts both with and without inspection, and the pallet management process caters for random weights on pallets.

Due to the ability to count items, integrate with scales, and record all the items consumed for a job and produced by the production process, TransLution™ is used to deliver mass balance and yield reports in real time.

The production process ends with a handover to the Finished Goods warehouse. In some cases, this is as simple as a warehouse transfer but on larger sites a Goods in Transit transfer may be required.

Finished goods

The finished goods warehouse in TransLution™ is seen as a standard warehouse with all the standard transfer, stock take, cycle count and sales order picking functionality one would expect.

There are, however, some requirements specific to the food industry. Storing finished goods, LOT traceability, FIFO, and separation by allergen, GMO or Organic are all supported by TransLution™, as is ensuring that cold chain requirements are met.

As with many other industries there is a requirement to manage a combination of both full pallets and part pallets along with a mechanism for breaking of pallets for small orders. TransLution™ is able to provide multiple bar codes for a single product, each representing a different pack size. In addition, TransLution™ is also able to cater for random weights, which is generally a specific requirement for the food industry.

Other requirements of the food industry include the ability to pick one order or multiple orders and the ability to build pallets of mixed goods for customer deliveries. Truck loading according to route is standard in many industries, but of particular importance to the food industry is ensuring dispatch times matching the allocated delivery slots at the various stores. TransLution™ is frequently used to assist with these requirements.

THE TRANSLUTION™ ROADMAP

SYSPRO Integration

Leverage existing SYSPRO and inventory software investments: Use TransLution™ to seamlessly integrate information captured on the production floor and in the warehouse with your existing system. TransLution™ supports multiple devices such as wireless bar code scanners, touch-screen PCs and tablet PCs, and delivers data captured directly into the accounting world of SYSPRO.

Data Analysis & Reporting

EazyQuery (EQ) searches internal and external databases and presents information in customized views on-screen, with drill-down, print, and export to spreadsheet capabilities. EQ further improves efficiency by automating processing, publishing and distributing query reports on a schedule for both internal and external users.

Production Planning & Scheduling

TransLution™ lays a solid foundation of data logging and labor tracking, facilitating advanced production planning and scheduling.

Supply Chain Integration

Business information created and stored in multiple software systems can be difficult to manage. Manual processing was historically the only way to integrate data from multiple databases. TransLution™ supports EDI to standardize and automate the flow of information between disconnected software systems within a business or with supplier and customer systems outside of the business.

TRANSLUTION™ PRODUCTS

TransLution™ EazyScan

EazyScan uses hand-held scanners to provide instant availability of process information, offering maximum control, increased information accuracy, traceability, reporting and improved decision making.

TransLution™ EazyTouch

EazyTouch runs on a standard PC or touchscreen where screens are configured to include only those operations relevant to each process, including buttons to print labels, view picking orders, stock count data, or display production instructions.

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