



Symphony is Carlisle Technology's plant productivity and traceability software suite. With a modular design, Symphony was built to expand as a customer's needs grow. Control plant floor production by managing product files, label formats, and product tare weights. Collect data from the plant floor and get insight into production, productivity, and traceability. Streamline shipping, receiving and order picking with Symphony's Warehouse Management System. Symphony combines rugged plant-floor data collection (MES) with fast and reliable warehouse management software to give users a 360-degree view of their entire operation.

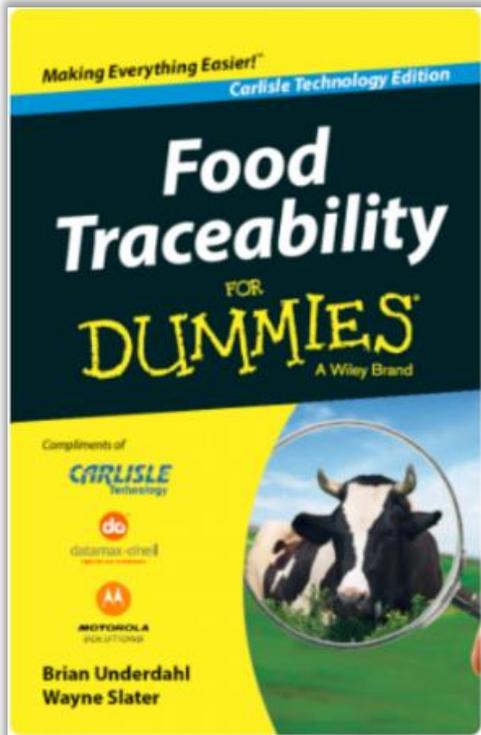
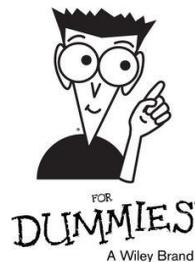


Trusted by some of the largest food processors in North America.

FOOD TRACEABILITY

Your motivation for implementing an electronic traceability system may vary from company to company, with reasons such as pressure from your supply chain partners to meet their Electronic Data Exchange (EDI) or increasing recall requirements. You might be seeking improved readiness for food safety regulations, such as FSMA or the Safe Food for Canadians Act. Whatever your motivation, Symphony provides detailed recall reports to aid in quickly identifying and isolating recalled product. Symphony quickly and easily performs all 3 pillars of the required traceability functionality searchable by Lot#, Product or Serial Number:

- Trace-back
- Trace-forward
- In-plant (including micro-ingredient / recipe) traceability





SYMPHONY

PLANT PRODUCTIVITY SUITE

Key Features

- Complete traceability from supplier to customer
- End-to-end WIP tracking including recipe-based production
- Complex inventory management (FIFO, holds, locations and warehouses)
- Centralized product and label management
- Sales orders, purchase orders, product costing, and invoicing
- Pricelist management
- Automatically collect data from scales, scanners and mobile devices
- Reports: sales, inventory, production margins, and yields.
- Integration with ERP and Accounting systems

Rugged Manufacturing Execution System for the Toughest Production Facilities

MANUFACTURING EXECUTION SYSTEM

Symphony specializes in plant-floor data collection and was purposefully designed from the ground up to optimize productivity and ease data collection within the four walls of your food plant. Meaning, Symphony was engineered to minimize the impact felt on the plant floor while automating the collection of data with integrated scanners, scales and mobile devices. This familiar process will minimize employee resistance to new technology and accelerate its adoption by reducing training times while eliminating time-consuming and costly manual data-entry errors.

CENTRALIZED PLANT FLOOR CONTROL

Products – Create and manage product files by defining the product and the PLU. Assign label formats to the product file, set weight tolerances, add nutritional information, and allocate inventory warehouse locations. Symphony adds flexibility to completely define each product. **Labels Formats** – Send label formats to the plant floor using Symphony’s label design and deployment application. Symphony is optimized to reduce the overall number of label formats required. By using variable fields on the label format and pulling information directly from the product file, an entire plant can operate with only a few label formats. **Tare Weights** – Symphony removes plant operator error by maintaining and controlling product tares through the server. Product tares are held in the product file and are used by the scales when a product is selected and weighed.

MANUFACTURING ORDERS

Create manufacturing orders and send them down to the iCap stations to be filled. Add, pause or remove orders from the stations at any time. Easily copy orders from one day over to the next. Have multiple iCap stations filling orders at the same time and view real time order filling progress.

WIP TRACKING

Scan multiple inputs, such as, ingredients, products, and packaging material into batches and track those inputs to the associated finished good. Return unused items back into inventory to be used by a later batch.



MULTI-SOURCE DATA COLLECTION

Collect data from many different devices. Symphony integrates with scales, scanners, mobile computers, probes and printers.

EFFICIENCY MONITORING

Symphony shows packaging performance by iCap station or production line. Efficiency monitoring can also be done by shift or operator.

PRODUCTION VISIBILITY

Gain insight into production through serialized production reports. Track pieces into cartons and then onto pallets.

REPORTING AND DASHBOARDS

Get a full view of the plant floor with over 100 different standard reports and customized production dashboards.

“Carlisle’s Symphony software is a critical part of our business that gives us the tracking and traceability needed in today’s manufacturing world.”

*— Kevin Schinkel,
Primary Operations Officer
Schinkel’s Legacy*

Dependable Warehouse Management System

Complete Visibility from Receiving to Shipping

WAREHOUSE MANAGEMENT SYSTEM

Symphony's Warehouse Management (WMS) software enables users to track inventory from receiving through shipping. With the *Order Management* application, sales orders can be tracked from the entry of an order through picking, staging, and shipping with a single application screen. For fast and accurate warehouse management Symphony WMS is an essential piece to any plant management system.

INVENTORY CONTROL

Multiple Warehouses and Locations – Set up multiple warehouses and multiple locations in each warehouse with Symphony. Designate which warehouse and location inventory should be picked from. Automatically assign inventory coming out of production to a warehouse and location by PLU. View all available and allocated serialized inventory for each warehouse and location. **Vendor Product Relationships** – Save time and money! No need to relabel incoming inventory. Setup vendor product relationships and reuse vendor GS1 labels. **Cycle Counting** – Lock warehouse locations and run an inventory cycle count. Cycle counting will keep inventory counts accurate, locate lost inventory, and make sure items are placed in correct warehouse locations.



COMPLETE ORDER MANAGEMENT

Track orders from order entry all the way through picking, shipping, and truck closing. Reopen and edit orders at any time. This application gives complete insight into the entire order fulfillment process.

ORDER PICKING

Release orders to be picked directly from the Order Entry or Order Management applications. Send picking instructions like warehouse location or age of product to be picked. Get real-time insight into the progress of orders being filled.

SHIPPING AND RECEIVING

Symphony integrates with today's most advanced mobile computing devices. Ship and receive inventory in the harshest plant floor conditions. Capture HACCP data like truck conditions, temperatures and print trucking paperwork when closing trucks.

TRACEABILITY REPORTS

Symphony enables processors to complete the traceability chain by tracking where product came from and to where it was sold. Track everything from packaging materials, and spices to finished goods. Expand your brand and open new market opportunities with Symphony. Selling into most large customers requires processors to implement an electronic traceability system. Symphony meets those requirements enabling processors to search out new opportunities.

INVENTORY REPORTING

With over 100 different standard reports Symphony gives insight into everything from warehouse inventory, product availability, sales history, and shipping and receiving reports.

“Carlisle helped us replace our entire inventory management system from the scales and scanners, to all of the software. They communicated well with us and took into consideration any customization we wanted. Their after-project support has been outstanding, and they quickly respond to any questions or problems we have. The staff is friendly, and we enjoyed working with them on the project, and we continue to work with them.”

— Travis Dorroh, IT
Prestage Foods

Seamless add-on modules fit Symphony to any production facility

OPTIONAL ADD-ON MODULES

No two plants are the same built the same or have the same processes. That's why Symphony was developed with a modular architecture. Optional add-ons are designed to bolt onto the core Symphony MES and WMS software applications. Each of the add-on modules enhances the available functionality to provide greater insight, traceability or production visibility.

PRODUCTION ORDER FILLING

Production Order-Filling is quickly becoming essential in food processing as more processing facilities try to meet customer demands by forecasting and projecting future production. With the iCap *Production Order Filling* application, orders can be sent directly down to the iCap stations using either an external ERP system or Symphony's Manufacturing Orders application. Order filling can be done at both the piece and carton level. Plant floor operators select which order to open and quickly begin filling those orders. Orders can be added or removed from the iCap station at any time. Multiple lines can simultaneously produce to the same order, allowing faster order fulfillment. iCap Production Order-Filling paired with Symphony production dashboards give management real-time insight into the progress of order fulfillment. iCap Production Order Filling paired with Symphony production dashboards give management real-time insight into the progress of order fulfillment.

RECIPE MANAGER

A recipe is more than a list of ingredients; it is a series of steps that are taken to ensure consistent product quality. iCap's Recipe Manager applies granular level traceability and production control to complex WIP processes. Utilizing technology to electronically control recipes and processes, the Recipe Manager reduces human error, tracks inputs and labour costs, and allows ingredients and packaging material to be added to production batches. iCap's Recipe Manager compliments plant HACCP plans by applying quality control steps into any recipe to gather data such as cooking times, temperatures, and operator feedback.

ERP AND ACCOUNTING INTERFACE

Symphony can integrate with ERP or Accounting Systems dynamically synchronizing product files, vendors, customers, transaction data, and inventory details.

HARVEST DATA COLLECTION & PRODUCER REPORTING

Extend Symphony down to the kill-floor with Harvest Data Collection. Abattoir facilities can receive live animals and track them throughout the entire production process. By implementing iCap on the kill floor, plants can gather valuable data such as live weight, hot weight, and cold weight. Integration with Carlisle Technology's Symphony system provides valuable insight into carcass yields, and carcass to finished goods traceability.

PURCHASE ORDERS

Capture purchasing costs with Symphony's *Purchase Order* module. Add purchasing costs to Symphony's Advanced Costing module to get an accurate acquisition cost per PLU.

ADVANCED COSTING

Symphony's *Advanced Costing* module takes data from purchasing, recipes, and labour costs to create a 360-degree view of the cost to produce each PLU.

YARD MANAGER

Symphony *Yard Manager* is software that captures and manages your shipping trailers throughout their delivery lifecycle on your shipping yards. Starting at the guard shack, Yard Manager provides real-time, visual insight into where and what is going on with one or all your trailers.

DOCK MANAGER

Dock Manager assigns and manages your shipping trailers to your available docking bays. Having real-time, visual insight into what is going on in your shipping and receiving operations enables you to make faster, smarter decisions resulting in greater truck throughput, more efficient loading / unloading and reduced dock times.



Contact us for a demo!

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About Carlisle Technology:

Since 1985, Carlisle Technology has provided integrated information solutions for the food processing industry. Carlisle's reputation is built on providing configurable, off-the-shelf software; tightly integrating it with high-quality hardware components; and standing behind the entire solution with full implementation and on-going support.

