



S I | N T H E S I S TM
Software Suite

Order Planning Modules

See new possibilities in order fulfillment emerge.TM



Analyze order content, balance the fulfillment sequence, and plan optimum routing for every order with the **SINTHESIS**TM Order Planning Modules. **SINTHESIS** reviews every order individually, and its impact globally, to plan and synchronize the real-time flow of order fulfillment from receipt to shipping. With coordinated planning, throughput and productivity are maximized. Manual operations and the deployment of manpower are minimized. Shortages are avoided. High-priority and rush orders are expedited without disrupting the smooth flow of scheduled orders. On-time deliveries are ensured. Integrated with a full line of extendible modules, **SINTHESIS** creates dynamic order fulfillment processes, from order receipt through order shipment, for distribution centers that provide full-case and split-case, item-oriented fulfillment. And each of these modules can be further customized to deliver even greater productivity in your particular application.

Order Planning Modules

- Order Analyzer
- Order Scheduler
- Order Balancer

SINTHESIS is the software component of total system solutions for order fulfillment and distribution from SI Systems. With over two dozen innovative, extendible software modules, SINTHESIS software complements enterprise planning systems to accurately facilitate and optimize planning, warehousing, inventory, routing, order fulfillment, and distribution processes for sophisticated, high-volume distribution centers performing full- or split-case picking operations.

Order Analyzer

Classifies orders by fulfillment area and order content. Determines the best route through order picking zones to maximize throughput and minimize fulfillment time.

- Ensures that orders are routed to all required stocking areas
- Appends routing instructions to the order files
- Accommodates special requirements such as lot quarantines or controlled substance isolation
- Cubes an order to several container sizes

Order Scheduler

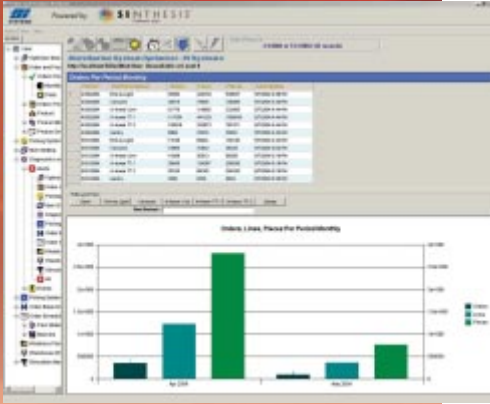
Guarantees that orders are filled in the correct sequence. Identifies and integrates priority and rush orders into the flow for prompt fulfillment. Employs **SINTHESIS** Order Balancer directives to efficiently schedule orders of equal priority.

- Releases orders in proper sequence for fulfillment
- Releases orders to ensure “smoothed” product replenishment efforts
- Promptly processes rush orders as they are received
- Holds orders with stockouts of priority SKUs

Order Balancer

Sequences orders to be filled to ensure that automated and manual resource workloads are continuously balanced. Maximizes throughput while minimizing labor deployment for optimum efficiency and productivity.

- Balances orders to be filled by the next wave, shift, or batch
- Accounts for order routing when work is balanced by areas



SINTHESIS SERVICE AND SUPPORT

SI understands that the success of your business depends on the continuing performance of the systems we build. Therefore, we are committed to providing the highest level of support possible. As part of that commitment, we ensure that the most qualified people are available to answer your questions and assist you during emergencies—whenever and wherever the need arises. Our U.S. base means less travel time—which translates into less downtime for you!