



CSO™ Carton Space Optimization

CSO Dynamically Optimizes Cases and Pallets to Drive Significant Cost Savings

Cartonization provides an opportunity for cost reduction that is often overlooked. For high volume packing and shipping operations, even a small reduction in cost per order can deliver significant savings directly to the bottom line. CSO eliminates reliance on guesswork and tribal knowledge by systematically recommending the most cost-effective configuration, every time.



Intelligent

CSO identifies the optimal packing proposal through a dynamic fill algorithm that considers item volume, dimension and multi-axis orientation. As a result, CSO is able to achieve a level of accuracy and cost reduction that is virtually unrivaled by other cartonization solutions on the market. In addition, CSO considers a host of other variables and business rules including carton sizes, inventory of packing materials, material characteristics and more.



Comprehensive

CSO's Dynamic Fill Cartonization logic can scale to optimize items into cases, cases into pallets and pallets into trailers. In fact, some of our customers leverage CSO's advanced algorithm to optimize their warehouse layout and configuration.

Key Benefits

- Consistently identify the optimal packing configuration
- Realize substantial shipping cost savings
- Streamline and speed the pick and pack process
- Minimize cartons per order and maximize orders per truckload
- Consider multiple carrier proposals during the cartonization process
- Improve customer satisfaction by delivering products faster and ensuring they are protected during transit

Core Functionality

- Dynamic fill algorithm with multiple control parameters
- Real-time freight calculation across multiple carriers
- Scalable cartonization logic, from cartons to pallets, containers and trailers
- Built entirely in SAP® using standard tools and framework
- One click packing with the optimal proposal
- User-controlled proposal acceptance or rejection
- Integration with standard SAP® transactions



Integrated

For added cost savings and efficiency, users can leverage CSO with XPS, SCT's multi-carrier parcel shipping and manifesting solution. Used with XPS, CSO has the ability to compare freight charges for various packing proposals from preferred carriers, service and mode. CSO is the only SAP-based Cartonization solution to provide this functionality, giving the end-user the most cost-effective packing proposal.



Value

CSO's optimized packing proposals can be used to automatically create handling units in the system, allowing users to directly pick-to-carton. Companies that consistently leverage CSO to identify the lowest freight cost packing proposal while streamlining the pick and pack process consistently exhibit substantial year over year savings. In fact, CSO can save 20% percent or more per shipment, when the shipment is optimally packed.

CSO Viewer



Control parameters include:

- Carton fill factor
- Product specific dunnage
- Material incompatibilities
- Inclusion / exclusion between material and packing material
- Split line items between cartons, or banding of item quantities together
- Consideration of pre-packed shippable units

CSO also takes into account the cost of accessorial charges for oversized items and additional handling to ensure that the proposed packing option is optimized to its specific shipping scenario.

About SCT Software

SCT Software is a leading provider of innovative logistics execution software servicing the SAP® user community. SCT software solutions are used globally by manufacturers and distributors to streamline the logistics process. The company's products give customers increased visibility ensuring supply chain efficiency. Using SCT solutions, customers gain a competitive edge by reducing overall operational cost, improving customer service levels and increasing profitability. Focused exclusively on complimenting SAP® logistics capabilities, SCT solutions enable customers to leverage the investment in their SAP® landscape while providing best-of-breed functionality.



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