

# ADVANCED CARTONIZATION

## KEY BENEFITS

- ✓ Reduce Parcel & LTL Spend
- ✓ Streamline Pick, Pack & Ship Processes
- ✓ Ship Optimal Box Size Every Order
- ✓ Minimize Redundant Touches & Reduce Errors
- ✓ Maximize Orders per Truckload
- ✓ Eliminate Pack Stations - Pick to Box
- ✓ Improve Customer & Vendor Satisfaction

## KEY FEATURES

- ▶ System Directed Pick-to-Carton/Box
- ▶ Multi-Carrier Date & Rate Shopping
- ▶ Automatic Optimal Box Size Selection
- ▶ Print & Apply Labeling
- ▶ 100% Vendor & Carrier Compliant Labeling
- ▶ Scalable Logic to Pallets, Containers & Trailers

*"FASCOR's integrated WMS & TMS shipping solution saves us nearly \$500,000 each year in freight & labor costs."*

- DISTRIBUTION MANAGER  
ORR SAFETY

## Pick to Box/Carton strategies can optimize outbound shipping, picking time & accuracy and reduce shipping material costs

It's no secret that managing e-commerce and omnichannel order fulfillment has become increasingly difficult over the past few years. Parcel and LTL carriers changed how their ground shipping rates were calculated, implementing dimensional (DIM) weight pricing - calculating rates based on the size and dimensions of a package rather than its actual weight. As consumers continue the demand for free and fast delivery, the reality is that free shipping isn't free, but now a cost of doing business.

Advanced cartonization allows you to reduce the cost of your "free" shipping. It selects the right sized box for the order so your workers can pick directly to the box and then print out the proper shipping label. These steps help eliminate packing stations, decrease fulfillment time and minimize shipping costs. You no longer have to worry about selecting a carton that is too large which may require adding wasteful and costly dunnage or selecting a carton that is too small and increasing cartons per order and cost.

In the warehouse, this boxing logic is called "Cartonization". Cartonization is a lot like a large-scale game of Tetris, but with big bottom-line benefits that is hard to ignore. Shippers are turning to software with advanced cartonization logic, like FASCOR, to systemically automate and optimize carton selections and multi-item order configurations to improve profitability.



## ADVANCED CARTONIZATION

Some would say that cartonization means identifying the smallest box to meet your needs, but that is just the start.

Advanced cartonization considers a host of other business factors to determine the optimal grouping that minimizes shipping costs while maximizing customer satisfaction.

### Pick to Box/Carton

FASCOR considers item volume, dimension and multi-axis orientation, across single and multi-item orders. FASCOR also factors in business rules such as available carton sizes, packing materials, product characteristics to calculate the optimal number of boxes, box size, what goes into each box and even how best to pack each carton for every order.

This logic is applied before the pick even begins, so users can directly pick-to-carton and immediately generate vendor and carrier compliant shipping labels for a more efficient fulfillment process.

By eliminating the need for manual pack stations, users reduce the number of touches on outbound orders and significantly increase throughput.

### Multi Carrier Rate & Date Shopping —

How the order will ship to meet the client's delivery requirement is just as important as the box size.

FASCOR's system has the ability to compare freight rates and delivery dates for various packing proposals while also considering the cost of charges for oversized items and additional handling fees.

This factors across preferred carriers, service and modes to ensure that the most effective selection is made to achieve the best last-mile experience for the customer.

Advanced Cartonization functionality is carrier compliant with the following;



- Regional Carriers
- LTL
- Standard / Expedited

## ABOUT FASCOR INC.

**We believe an automated, integrated, & synchronized supply chain operation should be within reach of every warehouse, distribution center and manufacturer, period.**

For over 35 years, we've made it our mission to provide a robust, agile and affordable Warehouse Management System (WMS), Transportation Management Solutions (TMS) and advanced analytics in real-time that are engineered to deliver tangible ROI for every one of our clients' supply chains. For more information on how FASCOR's supply chain execution solutions can work for you, contact us today.

888-8-FASCOR ■ [www.fascor.com](http://www.fascor.com) ■ [sales@fascor.com](mailto:sales@fascor.com)

## SEAMLESS INTEGRATION & SCALE

FASCOR's system integrates with the packing materials already in use. On-demand custom box-size packaging equipment is not needed, but the FASCOR system can adapt to most materials or packaging methods to be used in the future.

There are no minimum or maximize box size restrictions. FASCOR's cartonization logic works with every available box size and can scale to optimize eaches into cartons, into cases, onto pallets and into trailers.

With FASCOR, there's no need to buy additional software, advance cartonization comes standard within the WMS/TMS system functionality.

## REAL RESULTS

When using FASCOR's advanced cartonization functionality and Pick to Box/Carton strategies, companies use less material, eliminate wasted space and movements, reduce freight costs while streamlining the outbound fulfillment process.

- **Decreased # of Boxes by 15%**
- **Reduced LTL and Parcel Spend by 10%**
- **Reduced Packaging Material Costs**
- **Increased Picks Per Hour**
- **Improved Order Accuracy**
- **Increased Customer Satisfaction**

**Empower your users to increase efficiency, improve customer service, reduce waste and maximize ROI with FASCOR's integrated WMS/TMS advanced cartonization logic.**



Supply Chain Execution Solutions  
Distribution | Warehousing | Manufacturing