

FastFetch Shipping Cost Optimization System (US Patent pending)

Enables carton selection from a large number of carton sizes without carrying a large inventory of pre-made cartons



Using Artificial Intelligence to reduce shipping costs by selecting fewer and better carton sizes

Pick cartons from LED illuminated locations and replenish consumed cartons using FastFetch conventional lighted carts

Benefits

- **Selects cartons from a large set of sizes.** Use 40 or more carton sizes with small inventory.
- **Best cartons are determined at load or pack station.** Best carton size is calculated by the FastFetch's AI-based cartonization algorithm when order starts or arrives at the pack station.
- **Cartons are available at load or pack station.** One or more "carton racks", with a full array of carton sizes, are located near loading or packing stations.
- **Quickly locate best carton.** LED segments illuminate to designate the best carton for packing.
- **Reduced shipping & corrugate costs.** Ship fewer and smaller cartons with less corrugate.

Features

- **Analyzes Historical Orders to Determine Optimal Carton Sizes:** Analyzes historical order data, including cartons used, to recommend best "N" carton sizes for future packing. Reports savings if the actual cartons used was provided.
- **LED Lights Used to Designate Carton for Retrieval:** After scanning order barcode, a segment of LED lights is illuminated under the carton rack partition containing best size carton.
- **LED Lights Used to Designate Location for Carton Replenishment:** After scanning a carton on a delivery cart, an LED segment on the back of the carton rack is illuminated, indicating where the replenishment carton should be placed.
- **Allows Multiple Pack Stations to Share a Carton Rack:** LED segments illuminate with different colors for different pack stations.
- **Integrates with Packsize Carton Creation Machine:** Sends transactions to a Packsize machine to make replenishment cartons.
- **Integrates with FastFetch Replenishment System:** Sends transactions FastFetch batch cart picking system to deliver replenishment cartons to carton racks.
- **Places Orders to Carton Manufacturer:** Informs carton manufacturer of cartons consumed to initiate delivery of replacement carton inventory.
- **Fast:** FastFetch's cartonization algorithm computes the best carton size in less than 1 second.
- **Accurate:** LED lights make carton retrieval virtually error free.
- **Simple:** Easy installation and interface to warehouse management systems.
- **Affordable:** ROI payback period is usually between 2 and 6 months.

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Different Size Cartons from Carton Supplier

