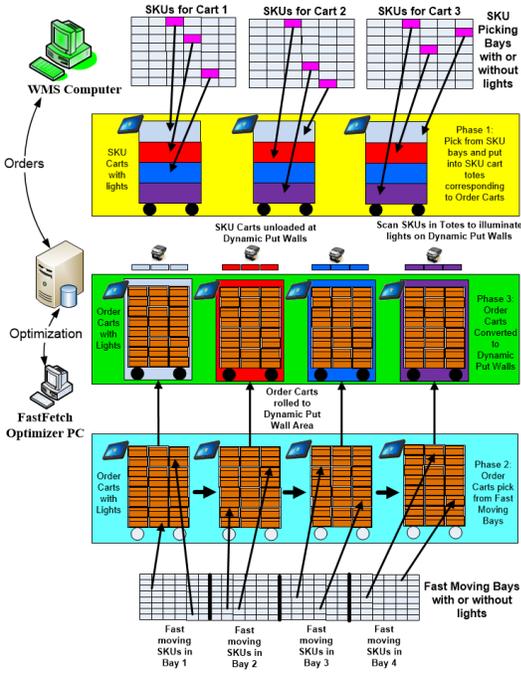


“3-Phase” Dynamic Put/Pack Wall Order Fulfillment (US Patents 6,775,588 / 8,019,463)

Innovatively combines batch cart picking with put walls to greatly reduce walking time while simultaneously greatly reducing multiple handling.



Simple, Efficient, Affordable Order Fulfillment

Combines High Velocity Area Cart Picking with Low Velocity Put Wall Picking/Packing

Features

- Ideal for e-commerce orders with low line item counts filled from both high and low velocity picking areas
- Enables order consolidation of picked items from separate picking areas
- Supports bulk picking for multiple Put Walls
- Bulk picking can operate concurrently with piece picking
- Supports multiple putters working on the same put wall
- Interfaces with existing customer WMSs for order downloads
- Scalable with number of lights and number of Put Walls with no degradation in performance
- Uses a standard Windows tablet to control cart light modules and transform them to put wall light modules
- Uses wireless Bluetooth ring scanners
- All light directed hardware designed by FastFetch

How it works *(many variations on the example below are available)*

1. **Phase 1: *Pick product into shipping containers from High Velocity Aisles***
 - a. Multiple order carts are dispatched to high velocity (slotted) aisles where products are picked and placed into totes or boxes using lights on cart locations (and optionally lights on picking locations).
 - b. Order carts are moved to an empty section of the warehouse and are automatically transformed to put walls used in Phase 3.
2. **Phase 2: *Gather product in bulk from Low Velocity Aisles***
 - a. Multiple batches of orders (4 in the example) are sorted into SKU sequence and bulk picked from low velocity aisles into multiple, bar coded totes onto multiple carts using a customer provided or FastFetch picking system. Light modules on cart locations are used to direct placement of products into totes. Carts traverse different zones of the picking area concurrently so the entire area is traversed only once.
 - b. When picking is completed, carts travel to one or more FastFetch Put Walls to begin Phase 3.
3. **Phase 3: *Sort the product into order boxes in Put Walls***
 - a. Each piece in the tote is scanned and a “scanner” number (as labeled on each scanner) is displayed in a light adjacent to an order slot in the Put Wall.
 - b. If a piece in a “SKU set” is scanned, lights on several slots will be illuminated with a scanner number and quantity (e.g. 1–03 meaning scanner 1 and quantity 3) and the entire SKU set can be distributed into the lighted slots in the indicated quantities.
 - c. The putter places the item(s) into the correct order slot(s) in the indicated quantities and “touches” flashing LED(s) to confirm correct placement.
 - d. Several “putters” can scan items work in the same put wall to increase putting speed.
 - e. When an order box has received all required items, the light modules adjacent to the box will display **Done**.
 - f. At the conclusion of putting boxes adjacent to light modules with **Done** will be unloaded while boxes adjacent to all other light modules will be taken to a hold area where shorted product problems will be resolved.

Selected Clients



One of the big 3 auto manufacturers in Detroit
Not revealed due to confidentiality restriction

