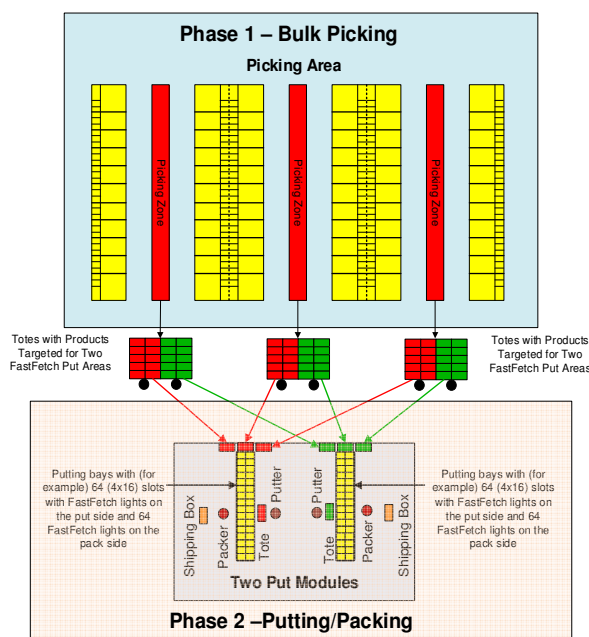


Put Wall Order Fulfillment

(US Patents 6,775,588 / 8,019,463)



Simple, Efficient, Affordable Order Fulfillment

Lighted displays tell where to put product into order slots and where to remove completed orders for packing

Features

- Ideal for eCommerce orders with low line-item counts filled from large, low velocity distribution center picking areas
- Uses a standard Windows PC to control multiple Put Walls
- Supports concurrent bulk picking for multiple Put Walls
- Supports multiple putters and multiple packers
- Allows “dynamic assignment” of orders to Put Wall slots
- Interfaces with existing customer WMS for order downloads and packing processes
- Scalable with number of lights and number of Put Walls with no degradation in performance
- Uses wireless Bluetooth scanners
- All light directed hardware designed by FastFetch

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

1. Phase 1: **Gather product in bulk for multiple Put Walls**
 - a. Multiple batches of orders (2 in the above example) are sorted into SKU (line item) sequence and picked into multiple, bar coded totes onto multiple carts using a customer provided or FastFetch picking system. Using the FastFetch picking system, light modules on cart locations can be used to direct placement of products into totes. Carts traverse different zones of the picking area concurrently.
 - b. When carts have completed picking, they travel to one or more FastFetch Put Walls where lights direct, or Bluetooth scanning ensures, correct removal of totes at each Put Wall.
2. Phase 2: **Sort the product into order boxes in Put Walls**
 - a. Pieces in the tote are scanned and a “scanner” number (as labeled on each scanner) is displayed in a light adjacent to an order slot in the Put Wall. LED segments with different colors can alternatively be used.
 - b. If all pieces of a SKU can be kept together in a tote, then when one of the SKU pieces 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 set of SKUs 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 wave a hand near a light sensitive proximity switch (flashing LED) to confirm correct placement.
 - d. If all pieces of a SKU can’t be kept together, each piece is scanned and a segment of LEDs next to a slot is illuminated in the color of the putter’s scanner dot. A location barcode is scanned to extinguish the LEDs.
3. Phase 3: **Packing completed orders**
 - a. When an order slot contains all required items, an LED segment on the back of the Put Wall will illuminate and a number will be displayed in a message light indicating the box size to be used for packing the order (or the last 4 digits of the order number if cubing information is unavailable).
 - b. A packer will remove a preprinted barcoded license plate label (LPN) from a roll of unique preprinted labels and apply to a shipping container.
 - c. The packer will remove the items from the slot indicated with the flashing LED and place them into the shipping container, scan the LPN barcode and touch a flashing LED to tell the FastFetch system the slot is again available.
 - d. FastFetch will send the order number and LPN to the WMS for later printing of paperwork and a shipping label.
 - e. When all items in the last tote in a Put Wall batch have been scanned, the putter will scan a “Batch Done” command barcode and the system will allow a new batch of totes to be processed in the Put Wall.

Selected Clients



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

