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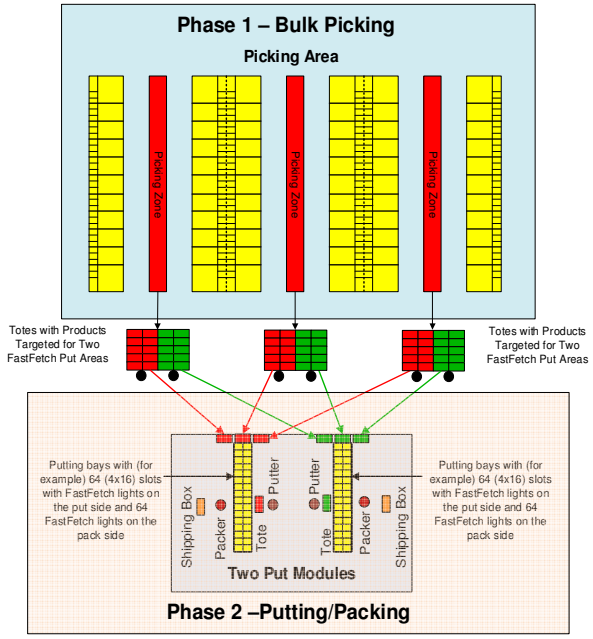
"2-Phase" Put/Pack Wall Order Fulfillment

(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 "over commitment" 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 (e.g. 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. 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 are completed, 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 2a:** ***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 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 "touches" flashing LED(s) to confirm correct placement.**
   d. **Several "putters" can scan items from the same tote or each can scan items from different totes to increase putting speed.**

   Phase 2b: ***Packing completed orders***
   e. **When an order slot contains all required items, an LED in a light module on the back of the Put Wall will flash and a number will be displayed 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).**
   f. **A packer will scan a barcoded label affixed to the packing slot into the customer WMS.**
   g. **Using a record (associating the packing slot to an order) sent to the WMS from the FastFetch system when putting began, the WMS will print the required paperwork (e.g. shipping label, packing slip, invoice, etc.).**
   h. **The packer will remove the items from the slot indicated with the flashing LED and place them into a shipping box, insert the paperwork and touch a flashing LED to tell the FastFetch system the slot is again available.**

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

GNC LIVE WELL

One of the big 3 auto manufacturers in Detroit
(not revealed due to confidentiality restriction)

Kitting

AutoZone

LuckyVitamin.com

StanleyBlack&Decker
DEWALT
Walmart

REEFING MADE FUN & EASY
BULK REEF SUPPLY

SpartanNash
DOLLAR GENERAL

younique
COTY

PACKSIZE
ON DEMAND PACKAGING
UPS
ULTRADENT PRODUCTS, INC.
Improving Oral Health Globally
STAPLES

Farm Fresh To You
Organic Produce Delivered Fresh From The Farm

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NICE

BuySeasons

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ipsy

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salon service group

Snap-on

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