CAN YOUR ECOMMERCE FULFILLMENT CENTER FILL ORDERS IN UNDER 15 MINUTES?

Bastian SOLUTIONS
Order Fulfillment is Changing Rapidly and so is the Demand for Quicker Deliveries

Only the right solution for your distribution center lets you fulfill orders in minutes, not hours, so your business can keep up with demand and start meeting same-day shipping goals. At the end of the day, a faster, more accurate order means better customer service and more five-star ratings.

Keeping up with consumer demand doesn’t have to include employee overtime and a stressful holiday season. If you’re ready to improve your order fulfillment process, take a look at some of the picking technologies we provide for our clients. The right solution lets you win those last minute orders with confidence knowing they will be delivered on time.

Order Fulfillment Technologies

- **Goods to Person**: Improve order fulfillment rates and increase efficiency by moving the product directly to the operator.
- **Robotics**: High-speed robots allow for efficient bin picking operations, palletizing and truck loading.
- **Picking**: Increased order volume with order technologies such as pick to light, pick to voice and mobile augmented reality.
- **Sortation**: Pick directly to cartons with energy-efficient 24 Volt conveyor and innovative sortation systems.
- **Software**: Warehouse Management (WMS), Warehouse Control (WCS) and Warehouse Execution (WES) software offer integrated system solutions.
- **Wearables**: Revolutionary paperless picking technology functions with augmented reality. Virtual information and images coalesce with the real environment.

Our Process

1. **Define**: Bastian Solutions engineers work with project stakeholders to determine project objectives.
2. **Measure**: Information is collected to help our engineers better understand your business.
3. **Analyze**: Analyze data from your operating systems and create models that predict future states.
4. **Design**: Concepts are detailed by applying qualitative and quantitative methods to criteria determined in the data analysis phase.
5. **Validate**: System costs are estimated and a complete economic analysis is done to determine feasibility of each alternative.
6. **Presentation**: Client is given final presentation of costs and best solutions.

Partial Client List

- iHerb.com
- Amazon
- Dollar Shave Club
- Mary Kay
- Garmin
- NetGalley
- Helene Curtis
- CVS
- PetzL
- BHF
- B&H
- L’Oreal
- Pepsi
- Amway
- NEWEL
Results

- Orders are processed through the system in as little as 15 minutes
- System serves as a template for future iHerb facilities
- The Perfect Pick “Goods to Person” system is easily scalable by simply adding aisles or introducing additional iBots into the system
- iHerb’s operators can pick up to 800 order lines per hour per aisle
- System is capable of processing more than 20,000 orders per day

Business Challenges

- Provide faster shipping times to the East Coast and internationally
- Build a scalable system for future growth
- Faster order processing from induction to shipping with less operators

iHerb - System Overview

iHerb sells nutritional supplements and other healthy products both domestically and internationally.

Hebron, Kentucky
Results

• High-end items can be securely stored in the robotic “Goods to Person” Perfect Pick ASRS
• Capacity to handle 18,000 orders per day during peak season
• Orders filled directly to shipping cartons
• High speed shipping sortation

Newegg.com - System Overview

Newegg is a leading online retailer of computer parts, laptops and electronics committed to becoming the most loved and trusted marketplace on the web.

Business Challenges

• Meet same-day shipping goals for all orders received before 3:30 PM
• Handle influx of holiday demand reaching up to 18,000 orders per day
• Increase security of small, high-end inventory
• Improve inventory control and visibility

Newegg is an eCommerce order fulfillment hub located in Indianapolis, Indiana.
Newell Brands - System Overview

Newell Brands is a leading global consumer goods company with a strong portfolio of well-known brands.

Business Challenges

- Improve consistency of packaged kits
- Increase accuracy of products shipped to customer
- Improve operating margins by reducing costs
- Gain productivity in the kit packing process

Results

- 99.8% of kits correctly assembled robotically
- Increased operating margins through productivity improvements
- Approximately 80% of set volume will be processed by the robotic system
- Improved ergonomics for the remaining operators on the line
- No manual operation required for the part quantity aspect of the system
Dollar Shave Club - System Overview

Dollar Shave Club helps its online members build a better bathroom by offering affordable shaving blades and products that are shipped to millions of users across the globe.

Business Challenges
- Bring order fulfillment in house to reduce costs and increase control of operations
- Increase flexibility and ease of adding new product lines
- Accommodate a growing number of online, direct-to-consumer orders
- Achieve higher picking accuracy for an improved customer experience

Results
- Average of 30,000 orders per day with capacity to reach 70,000 at peak times.
- Pick-to-light increased picks to 425 lines per hour on average.
- System handles 38 cartons and 75 envelopes sorted per minute in one shift.
- Seamlessly introduced over 15 new products in the first year of system use.
- Results prompted a second, larger Bastian Solutions system the next year.
READY TO TAKE THE NEXT STEPS TO IMPROVE YOUR ORDER FULFILLMENT?

CONTACT US TODAY FOR MORE INFORMATION