

FULFILLMENT CENTER – RETAIL AND ECOMMERCE

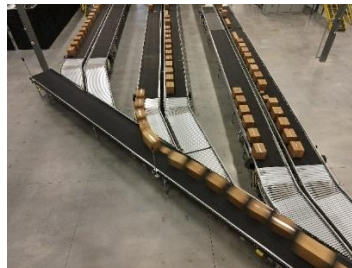
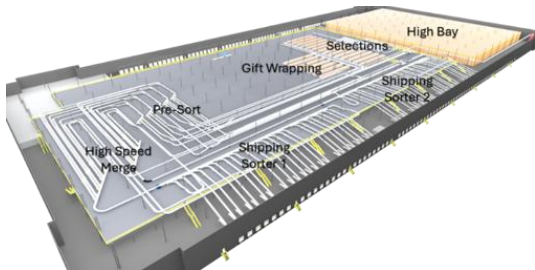
Leading fast fashion retailer partnered Trew to address business challenges and consolidate three 3PL facilities into their own 1 million sq ft greenfield automated fulfillment center. The solution integrated conveyance and sortation, powered by CHAMP™ WCS, with supporting systems including pallet lifts, high-bay storage, and print and apply. The result? On-time delivery, successful facility consolidation, and reliable system performance driven by Trew's execution focusing on improving capacity, uptime and long-term operational value.

Project Overview

- Type: Fulfillment Center
- Facility size: 1 million sq ft
- Success Factor: ROI of solution

Contents

- Large integrated system
- Conveyor systems
- (2) High-speed sorter
- High-speed merge
- Pallet lift system
- Put to Store/Giftwrap Racking
- Print & Apply
- Scanners
- Truck Loaders
- Pre-Sort
- High Bay
- CHAMP™ WCS
- Other: Trew Resident Maintenance Program



Challenges

Facility Consolidation: The client was looking to consolidate three 3PL operations into a single facility. Their goal was to create a long-term investment to increase capacity and improve throughput.

Building Readiness: Active construction, including concrete floor excavating, created installation challenges including dust and debris on equipment during the conveyor installation.

Project Schedule Impacts: Delays from mezzanine installation and union labor impacts pushed the project schedule eight weeks beyond the original go live date.

Solutions

Facility Standardization: Trew designed a solution to consolidate and bring consistency to the client's standard model.

Adaptative Installation: Throughout installation Trew's team adapted to active construction conditions while maintaining equipment cleanliness and protecting the system's performance.

Phased Go-Live: A two-phased go-live approach was implemented to help recover time cause by the project delays.

Results

Increased Capacity and Throughput: The consolidation of three manual 3PL operations created a more streamlined and scalable operation that allows for future growth.

On-Time Delivery: Trew's team leveraged a two-phased go-live and collaboratively managed union and local contractors to navigate a tight schedule and will be delivering the solution based on the original contract date.

Why Trew

Customer Centric: Trew's customer-first mindset kept the client's priorities front and center throughout the project, ensuring alignment from start to competition.

Scalable Experience: This was the client's first large-scale greenfield solution with Trew, building on prior success of previous projects

Resident Maintenance Offering: Trew's resident maintenance ensures a dedicated team on staff to address any issues that are fully managed by Trew.

Product Performance and Superiority: Trew's conveyor, sortation, and software worked together to deliver a reliable, high-performing system that supported the client's throughput and operational needs.

About Trew

Trew® is a trusted U.S.-based manufacturer and integrator of automated material handling solutions and the software that powers them. We serve the retail, e-commerce, distribution, and parcel industries with sortation, conveyors, robotics, AS/RS, and lifecycle services to help clients' operations run smarter, adapt faster, and achieve the highest lifetime value.

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