

Pick Mod Retrofit at Low Ceiling Heights

Industry

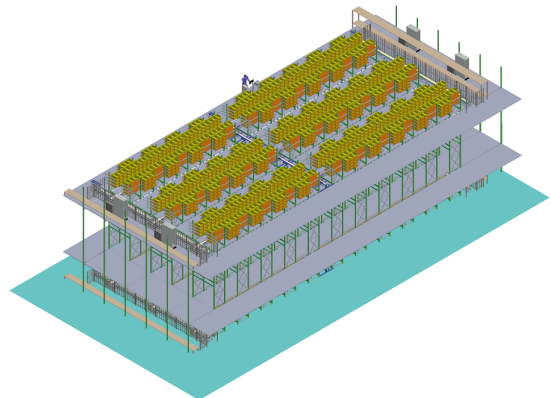
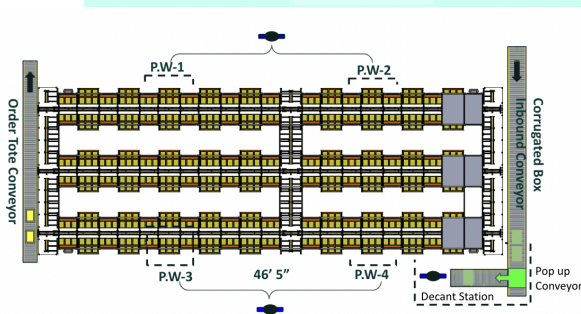
Apparel Retailer : Supporting D2C and B2B Fulfillment.

Business Challenge

Automate manual pick mods in all 4 level mezzanines with a ceiling height constraint of 8'. Customers wanted to use existing infrastructure, and requested minimal permit requirements with minimal disruption to operations.

Preferred method: Start with a smaller version of the full solution as a retrofit POC, with the ability to scale across the complete pick mod over 18 months.

The Solution



Solution Differentiators

- Retrofit into existing racking structure
- No floor prep to integrate solution
- Accelerated throughput with minimal disruption
- Modular solution, start small and add Carte+ components(aisles, robots, lifts) as volumes increase.
- Reconfigurable software

Mezzanine Height	8'
Number of SKUs	2,100
Number of Robots	16
Units Per Hour	1100
Footprint (LxBxH)	4410 square feet
Number of Operators	1/ shift non peak, 2/shift peak
Process Automated	Batch Picking
Integration	Order streaming from WMS

Business Impact

- Manual labor: 85% reduction
- Projected Savings: 65% of annual costs
- ROI: 1.5 years.