

Auto Part Warehouse Addition New Mezzanine Doubles Amount of Available SKUs

Abel Womack installed a second level mezzanine onto an auto part company's Unarco pick module, effectively doubling the amount of pick module SKU's while maintaining the same overall footprint within the building. The company's growth of 25-30 additional stores per year drove the need to handle the demand of additional orders. The project was completed on a fast-track design build schedule, starting in January and ending in early May.

The 2 year old existing pick module consisted of a Hytrol conveyor pick loop containing 6 automatic tote transfers servicing 12 discreet pick zones.

An identical second level, conveyor pick loop was added along with transfer points to divert totes from the existing, downstairs conveyors to the new upstairs loop and vice versa (Photo: right).



The new mezzanine included 3 pallet drop points to receive product for replenishment. The existing zone routing system used a barcode label on each tote.

The labels included data on all the pick zones that orders needed to stop at and provided a seamless expansion to the additional pick zones.

Abel Womack performed the re-slotting of the new SKU's utilizing Slot 3D software. This enabled faster-moving SKU's to be relocated to the most effective location to speed up the order picking operations. These efforts helped the client **increase their average picking metrics over 30%; from 90 lines/hr to 120 lines/hr.**

This expanded system conveys, tracks and ships approximately 6-8,000 totes daily, servicing over 200 retail stores and accommodating the company's yearly retail growth plans.

Project Key Features

Challenge

- Increase storage space capacity within the existing building footprint.

Abel Womack Solution

- Installation of a mezzanine which doubled the amount of pick module SKUs.

Benefits

- Customer gained considerable additional storage space.
- Re-slotting of new SKUs increased average picking metrics over 30%; from 90 lines per hour to 120 lines per hour.



New Conveyor Pick Loop

Photos Below: New Mezzanine and Conveyor

