

Delta Education, Nashua, NH Phased Renovation of Warehouse

Delta Education has been serving educators for more than 30 years by providing the best in K-12 inquiry-based science and math materials and language arts products.

With over 14,000 SKUs, Delta had various product sizes that required different storage mediums. To help Delta reach its goals, Abel Womack re-engineered Delta's replenishment and pick processes to utilize the storage cube more efficiently.

Delta gained the ability to:

- Free-up room for expansion within their existing facility.
- Receive and store in product families.
- Pick several orders at once.
- Manage their two busy seasons without additional labor.
- Eliminate physical inventory through a cycle count program.

Abel Womack redesigned the warehouse through a phased approach that focused on bulk storage, finished goods and the fulfillment operation.

Improvements included a conveyor system with divert capabilities and a tote return system, 12 carousels utilizing light trees and batch lights, shelving and carton flow rack, as well as very high aisle, high bay equipment.

Project Key Features:

- Approximate increase from 24 lines an hour to 200 lines an hour on carousels
- Physical inventory not needed due to new cycle count procedures
- Manage busy seasons without additional staff
- Radio Beacon Warehouse Management System
- Raymond Lift Trucks

Size: 450,000 SF

Completion Date: 2004

