

Case Study

Automation Speeds Fulfillment





Managing order demand fluctuations

Customer and task

Managing a combination of smaller parts and large parts (kayaks, paddle boards, etc.) added another layer of complexity to the fulfillment process. As the 52,000 square foot warehouse was quickly running out of space, Diversco set their sights vertically. "With a 40-foot ceiling, adding more rack didn't make sense," said James Huddle, purchasing and operations manager at Diversco Supply, "it was more economical to go up than out."

Solution

Diversco now uses three Kardex Shuttle with the Kardex Power Pick System inventory management software to manage small parts inventory (4,500 SKUs) and rack and shelving with handheld RF scanning technology for large item inventory (400 SKUs). "It was a complete transformation from a manual picking environment of walking and searching to a semi-automated process," said Huddle, "The compact storage, time savings and ease of use completely offset the cost of the system."

While labor requirements have remained the same, efficiencies have skyrocketed. With five full time workers (one in the small parts Kardex Shuttle area, two in the large item rack area and two in shipping); Diversco is filling orders faster than ever. Productivity has increased from 25 lines per hour to 115 lines per hour (and added a bag and tag step) resulting in a 460% increase in productivity.

Case at a glance

How we took our customer from task to solution

Diversco's largest warehouse in Cambridge, Ontario, inventories and distributes parts and supplies for their watersports, scuba and marine divisions. The facility uses three Vertical Lift Module Kardex Shuttle with the Kardex Power Pick System inventory management software to easily manage their small parts inventory (valves, regulators, hoses, snorkels, fins, etc.).

Increased
throughput
by 460%

Saved
92% floor
space

Increased
storage capacity
by 84%



Scope of delivery



3 Kardex Shuttle each 32 foot tall



Kardex Power Pick System inventory management software



Pick-to-light technology