



Food Service Provider utilizes AS/RS for product storage and picking replenishment for its new Distribution Center

Features and Benefits

Much higher throughput than previous designs

Highly reliable automated Distribution Center

Cost effective high speed shuttle car front end

Industry Group: Automated Storage/Retrieval Systems (ASRS)



Unique innovations provided are automatic bin sensing located on the S/R machines, eliminating the need for hard wired sensors in the pick locations for replenishment and chain transfers located on the lift carriage to improve shuttle cycle time by eliminating the shuttle extension at the P & D stations.

This major food service provider utilizes an AS/RS for the inbound side of the new distribution center. The outbound side is a pick to belt conveyor system from pick tunnels in the rack.

There is a sortation system for order sorting and consolidation and trailer loading conveyor system. The entire system has been designed to provide a very efficient, highly reliable process to efficiently fill orders for the food service provider's customers.

The system configuration includes Dry Grocery – 4 Aisles with 27,930 Storage Locations, Cool Grocery - 2 Aisles with 9020 Storage Locations, and Freezer - 3 Aisles with 23,724 Storage Locations. The system supports shipment of over 100,000 cases per day.

The material flow controller controls the in-bound transportation system including high speed transfer cars feeding the P & D stations.

It also optimizes the material flow and crane movement. Statistical history is maintained to provide information for further system optimization.

There is a graphical user visibility display providing the operator with visibility to the system for system status and diagnostics.



viastore systems, Inc.

4890 Kendrick Street SE
Grand Rapids, MI 49512-9595
616-977-3950

info.us@viastore.com

www.us.viastore.com