



Aerospace Company Expands Manufacturing with Automated Storage and Retrieval System

Features and Benefits

Overall system transaction time reduced by 24%

Ten (10) month payback

Very quiet system operation

Reduced space requirements

Industry Group: Automated Storage/Retrieval Systems (ASRS)



Quiet system operation was extremely important to the company. The system was designed so that at full operation, noise levels are less than 70db.

The new 30,000 square foot Materials Center is located adjacent to the recently renovated factory at the aerospace company.

The new facility was built to support the manufacturing of products well into the future, and is equipped with warehousing and distribution equipment available from the world's leading manufacturers.

The three (3) S/R machine system stores approximately 5,900 trays of product to support manufacturing and assembly. The front-end conveyor system transports the trays from any of the three (3) aisles of storage to the six (6) workstations where the trays are tilted toward the operator to enable ergonomic picking and replenishment.

The system is designed to handle more than 270 dual cycles per hour and 2,500 order lines per day.

The controls for the system include PLC controls for the conveyor system, the PC control for the S/R machines, and the Material Flow Control software

packages, including an interface to the company's existing warehouse management system (WMS).



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