



INNOVATING STORAGE & RETRIEVAL

Continental Airlines and Continental Express Jet (CEJ)

Performance Report

Challenge:

Improve loss prevention and consolidate maintenance facilities

Solution:

Utilize 12 Vertical Lift Modules 1 building

Result:

Improved inventory control and created 97% more space.

Vertical Lift Modules secure time critical parts, yield 97% space savings.



Savings in time, space and a cleaner, more secure parts inventory are among the benefits of using VLMs over static shelving.

Continental Airlines has consolidated their spare parts distribution to one building in Newark, NJ moving their small spare parts into 12 vertical lift modules (VLMs) which created 97% more space and improved inventory control. Continental Express Jet (CEJ) maintenance facilities also consolidated their stockroom, which operates in Newark, NJ, as well. CEJ has two vertical lift modules which hold approximately 10,000 SKUs in addition to static shelving.

This maintenance facility not only realized space savings, but also found parts were more secure and remained cleaner than on the static shelving previously used for this inventory. The facility that Continental is in now had an additional warehouse that had to consolidate all inventory into this particular warehouse.

Continental maintains inventories of over 60,000 parts for Boeing 737, 757, 767 and 777 aircraft. Nearly half of the parts are stored in the VLMs. Inventory control and space management are the biggest benefits of storing spare parts in the Vertical Lift Modules.

Making the best use of the vertical space in the hangar, the VLMs from White stand 32 feet high, each holding up to 113 trays. The trays can be configured to hold up to 180 individual parts with a total live load of up to 550 pounds.

Customizing each unit with varied tray pitches and dividers provided better parts organization and inventory control for the 27,000 different parts stored in the VLMs.

The vertical lift modules save time by creating twelve workstations in a relatively small footprint from which to pick parts, as opposed to the large area previously required for the “walk and search” method used with static shelving.



Small parts



Large parts



Decals stored in File Folders

Performance Report

Continental Express Jet (CEJ)

Challenge:

Consolidate maintenance facilities to a small stockroom.

Solution:

Two Power Column 2 machines were installed holds over 10,000 SKUs in each.

Result:

Improved inventory control and created more space.



Various size items



Smaller items increases storage ability in one tray compared to the static shelving see below.

Continental Express Jet is also located in Newark, NJ. This stockroom contains two Power Column 2 VLMs, in addition to static shelving.

This warehouse also stores aircraft spare parts. In just two VLMs approximately 10,000 SKUs are stored. The challenge that Express Jet faced was a tremendous amount of spare parts inventory with a limited amount of space. Recently Continental Express Jet had consolidated to this particular stockroom, allowing them to eliminate two other facilities.



Two Power Column 2 were installed to increase storage ability. The static shelving was not holding the weights of various spare parts.



Static shelving

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