

Conveyor Case Study #4a

PACLINE Says 'YES' to The Dress



The Challenge

During the renovation and re-construction of the space that would become KLEINFELD Hudson's Bay, PACLINE OVERHEAD CONVEYORS was contacted to provide a garment handling solution for storing and handling the large inventory of wedding gowns and other bridal apparel.

The goal for KLEINFELD was to have an automated storage and retrieval system that would maximize the space utilization of the back storage room area of the Bridal Salon. By far the bulk of the 20,000 square foot space was dedicated to the customer area with its spectacular showroom and displays and the numerous oversized fitting rooms. The area in which the automated garment handling conveyor was to be installed was only about 2,800 square feet.

KLEINFELD had **several key objectives** for their garment storage and retrieval conveyor:

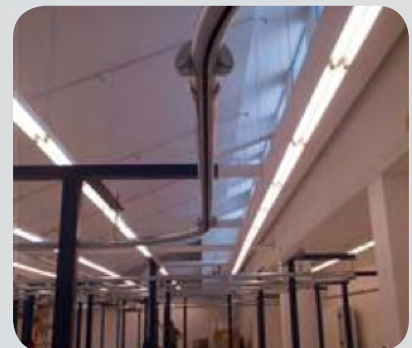
- Receive new stock including the constant rotation of Trunk Show gowns
- Provide some storage and access to inventory not accommodated in the showroom display area
- Manage the continuous flow of customer purchased gowns throughout the alteration and collection process

The new garment handling system also needed to have an initial capacity of 600 dresses with the capability of increasing that capacity by approximately 35% in the future.

Unique Conveyor Installation Challenges

Unlike traditional installation jobs in commercial or industrial settings, this was on the 7th floor and in a retail space. All freight had to be transported by elevator from the loading dock to the 7th floor.

The space for maneuvering the floor stands and crates weighing up to 1000 lbs. with an assortment of hardware - drives, curves, track and hangers, was restricted to say the least!



The Solution

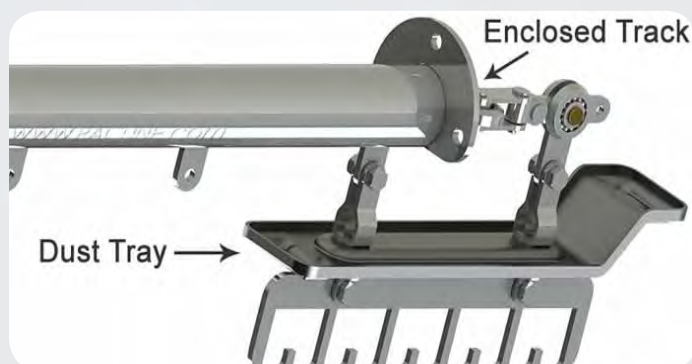


The PAC-LINE™ enclosed track overhead conveyor has proven to be the ideal solution for the garment handling system at KLEINFELD. The final design included two independent conveyor loops, each with their own RETRIEVER™ control system.

All components of the PAC-LINE™ are modular and bolt together which means that minimal welding is required. This feature allowed for a very quick installation. In addition, as modifications or expansions are required in the future these too would be quicker and simpler than most alternative conveyors.

The PAC-LINE™ conveyor offered several other advantages which were particularly important in this non-industrial type application:

- **Safety** – All moving parts are enclosed in the track to protect operators from possible pinch points
- **Dust shields** – These were added to protect the delicate and expensive garments from any possible contaminants.
- **Quiet operation** – the enclosed track feature serves to minimize noise while the conveyor is running.



The PACLINE RETRIEVER™ ASRS



The PACLINE Retriever™ was an important part of this garment system. This simple and inexpensive control station arrangement allows the operator to locate ANY item on the conveyor and retrieve it quickly and efficiently on demand. The operator simply enters the location number of the dress, and the conveyor takes the shortest route to deliver it to the operator.

The Results

The PAC-LINE™ with Retriever™ provided a Garment Storage and Retrieval solution that allowed the customer to conserve valuable space in their facility, while providing the capacity for additional growth. Since all Pacline parts and components are stocked, delivery was quick. PACLINE's installers ensured that the entire system was up and running well within the expected timelines.