



New DC ensures right fashions at the right time for leading clothing retailer

Features and Benefits

Tornado Stacker Cranes

Mini-Load Handling AS/RS Technology

Moderate throughput, high inventory

- Weight optimized design for high crane performance and low energy consumption
- Low cost of ownership via modern efficient design
- Direct case or bin storage configurations
- Durable yet light weight construction

Industry Group: AS/RS



Photo: Miniload AS/RS Crane and Robot Cell

Challenge: A leading clothes retailer previously managed logistics through a third party logistics provider but for strategic reasons, decided to manage the supply to their stores in-house. To simplify and improve efficiency of the flow of goods into the 360 stores the company decided to invest in their own distribution center.

Solution: The solution consists of conveyors that transport the folding boxes with clothing from arrival area to the 'cross-dock flow' where they are split up. More than half will get shipped out to the stores the same day, while remaining boxes generate refill of products in a miniload based picking area consisting of 4 cranes. Sorting is executed by four robot cells which stack totes from the cross-dock and picking flows to the pallets. Pallets are finally placed in the shipping area for onward transportation to stores via one or more reloading terminals.

Results: The solution provides the customer with an increased rate of turnover and gross margins and allows for lower stock volumes, faster order processes and more efficient handling in stores. The solution accommodates the flow of shelved/stored/packed goods for all stores throughout every market and enables high productivity and the flexibility to handle seasonal fluctuations.

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