

A new dimension in multi-functional distribution center for hanging and flat goods

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Case Description





experience the difference



New Look, one of the leading young fashion retailers in the UK, is presently operating more than 500 stores.

Design criteria

By relocating the existing distribution centers into a single distribution warehouse facility, the shops are now supplied with hanging and flat goods, shoes and accessories more efficiently.



The solution

During an intensive planning phase, a multi-functional distribution concept was worked out. psb's wide product range allowed customized solutions for the individual areas. In the flat goods area, a combined warehouse for pallets and single cartons, constitutes the center of all processes; in the hanging garments area,



an automated high bay warehouse, operated by psb *runloader*[®] miniload cranes, represents the prime focus of the operations. In-

coming goods are handled by a mainly conventional trolley conveyor system.

The subsequent sortation processes are carried out via different conveyor and sortation systems, for bundles or single items respec-

tively. The order picking stations are integrated into the storage racks. This allows for the automated supply by *runloader*[®] stacker cranes for pallets, or *sprinter*[®] stacker cranes with *optimizer* on-board handling devices (multi-deep/double-deep). Order picking according to the pick & pack principle is supported electronically by a pick-by-light system. An efficient conveyor and distribution system for cartons and totes connects the individual pick zones, and integrates cross docking into the overall concept.

The intralogistic modules and the necessary associated processes are controlled by the psb *selektron*[®] Warehouse Control System (WCS). In parts, the WCS fulfils various warehouse management operational functionalities too.

Customer: New Look Retailers Ltd.
Newcastle-under-Lyme / UK

System: *runloader*[®], *sprinter*[®] with *optimizer* load handling device, pick-by-light, high performance sorter, *selektron*[®] WCS