



Optimisation of the flow of goods at ORION Versand

12,000 sq.m of central warehouse, 10,000 different items, täglich 5,000 shipments/day

To optimise internal logistics processes, Orion Versand GmbH in Flensburg has converted its goods flows. In two project phases, order processing was converted for all three customer areas (wholesaler, branches and private customers) to a two-level multi order picking system with batch order picking. Orion installed four pick by light systems for this purpose. A KBS material flow computer will handle the central control.

First step: batch order picking

In the central warehouse, orders are currently combined in batches and initially picked into containers unsorted. The delivery priority stored in the warehouse management system for each shipping recipient optimises order sequence. Conveyor technology then transports containers to the live shelving for individual order picking.

Second step: individual order picking

With the help of the pick by light technology, the items are now sorted from batch containers into order-related target containers in the live storage. An employee scans items from the batch container, the shelf display of a channel with the appropriate target container of the order the items are required for will then light up.

A quantity display announces the number of items to be placed in the target container. Storage of the item is then confirmed with the acknowledgement button on the shelf display.

Automatically entered

The goods are deducted from the stock fully automatically via an interface between the pick by light system and stock control after actuating the acknowledgement button.

Benefits

- Clear increase of order picking speed.
- Order picking errors reduced to none and reduction of returns.
- Extremely short training period with the clear system.
- Short commissioning thanks to an innovative Plug & Pick solution.

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