



MARIE CLAIRE

FASHION

Batch picking system for underwear

Marie Claire is a well-known Spanish retailer of men's and women's underwear. The company built a brand new distribution centre in Borriol, Spain in 2003. Vanderlande Industries was asked to design and implement the material handling system.

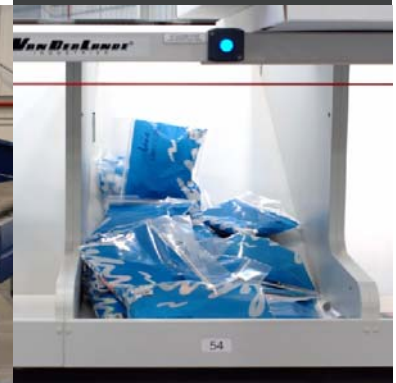
The facility handles 46,000 SKUs and processes more than 600 orders per day. The order picking system is based on Vanderlande Industries' Batch Picking System (BPS) concept. The CROSSORTER™, with a capacity of 6,000 items per hour, forms the heart of the operation. Products are picked in 5 batches and placed manually on a conveyor, which brings the items to the induct stations. Items are inducted manually onto the sorter. At the outfeeds, items are loaded into cartons and shipping documents are added. Completed cartons are closed and pushed onto a conveyor for transportation to shipping.

Main customer benefits:

- Substantially improved overall efficiency
- Significantly improved accuracy (over 98% read rate, even on very low-quality labels)



Distribution



MARIE CLAIRE

FASHION

System

Order picking: Vanderlande Industries Batch Picking System (BPS)

- Number of SKUs : 46,000
- Number of orders per day : 600
- Number of order lines per day : 10,000
- Number of items per day : 32,000
- CROSSORTER™ capacity : 6,000 items per hour
- Number of outfeeds : 160
- Operational hours per day : 8

Process

- Batch picking in trolleys, 5 batches per day
- Loading products onto conveyors
- Merging products onto one conveyor line
- Distributing products to 3 chutes with bi-directional belts
- Inducting (manually) onto the CROSSORTER™ at 1.2 m/s
- Scanning on the sorter by a camera system consisting of 5 CCD cameras
- Sorting to 160 outfeeds
- Manual loading of items into cartons
- Adding shipping documents, closing cartons
- Pushing completed cartons onto a conveyor for transportation to shipping
- Strapping
- Manual loading into trucks

Additional information

Main customer benefits:

- Substantially improved overall efficiency
- Significantly improved accuracy (over 98% read rate, even on very low-quality labels)