

Storage

Order Picking

Handling & Automation

Case Study 052

Warehouse & Distribution



MULTIPLE BATCH PICKING FOR ONLINE AND STORE ORDERS

The Customer

Kjell & Company sells accessories for home electronics online and through a network of 80 stores in Sweden. The company has over 600 employees and offers the Nordic's widest range of accessories for consumer electronics. They offer more than 9,000 articles, including everything from iPhone covers, mobile phone chargers to more sophisticated accessories. The headquarters are located in Malmö, Sweden and there is a purchasing office in Shanghai.

Further Information:
www.kardex-remstar.com



1

Task definition

The existing static shelving system did not offer the flexibility and efficiency required for both the online business and deliveries to the network of stores following the company's sustained growth. The 8,000 square meter distribution and logistics hub in Malmö was reaching full capacity. There was the need to look for a storage solution that could optimize use of the space available whilst also helping to contribute to faster and more accurate picking for both stores and online orders, and create the additional storage capacity needed to allow for continued expansion.



2

Solution



The solution provided was 12 Shuttle XPs (in 2 installments of 6 units) with dual access openings and a colour picking system to help improve accuracy levels and picking times. Above each opening there is a touch screen display monitor allowing the operators (normally 1-4 but can double in busy periods) to clearly see which colour batch they are picking for. Deliveries for stores and ecommerce orders can be picked simultaneously from the different access openings. Operators can easily switch between picking ecommerce orders, loading returned goods and new inventory, store orders and express orders. The solution is flexible and easy to install in the existing warehouse, making optimal use of the available ceiling height. In addition, the Shuttle XP provides security for the goods and is easily integrated into existing systems. JMIF software was also delivered as part of the solution to integrate the whole material flow process and provide Kjell with full control of the materials from when they enter the warehouse till they leave.

4

Advantages at a glance

- 90% space reduction (from 800m² to 80m², after 1st installation of 6 Shuttle XP 250)
- Faster picking times (around 120-200 picks an hour), compared to shelving system, where the picking time was around 70 picks per hour
- Increased safety for employees and improved security
- Multiple batch picking

3

Process description

We would be delighted to explain the different processes in detail in a personal consultation.

5

Scope of delivery

- 12 Shuttle XP 250, tray dimension 3,050 x 610, machines 3,480 x 2,310 x 7,950
- Kardex JMIF (Java Machine Interface) software
- Colour picking system
- Sumoboxes
- Plexi-glass panels



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