

Branch reference

Trade and e-commerce in IT and consumer electronics



The customer

With 1300 employees, X-KOM is one of the best-known multichannel dealers for consumer electronics, IT and computers in Poland. Since 2002, the company has been on a permanent growth path with more than 26 stationary shops and an online shop.

The requirements

In response to the dynamically increasing requirements of e-commerce, X-KOM decided to realign its distribution warehouse. A shuttle warehouse with 38 shuttles and 8 lifters ensure an extremely high performance, carrying out about 1,500 storage and retrieval operations per hour. Klinkhammer delivers the intelligence for the multichannel warehouse, and is in charge of the uniform control technology, warehouse management software and material flow control.



The X-KOM logo, featuring a stylized 'X' made of two overlapping colored lines (blue and red) followed by the text 'KOM' in a bold, sans-serif font.

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The shuttle warehouse is connected via conveyor technology to 6 order picking and 16 shipping stations

The solution

A high-performance, two-aisle container warehouse with level-bound shuttles and about 30,000 storage spaces has been implemented. The warehouse management software KlinkWARE handles the complex system and material flow control of the eight lifters which are directly integrated into the shuttle warehouse. Four of the six order picking stations connected by conveyors are equipped with multi-order-picking systems. The goods are directly packed into cardboard boxes for online commerce while the stores receive goods packed in containers. The employees in the shipping area are supported by an automatic system which erects and fills the cardboard boxes. At 16 packing stations, 1,500 boxes per hour are distributed across 16 shipping lanes and readied for shipping. With its control technology and software solutions, Klinkhammer operates as "brain of the system" and has extensive experience with complex warehouse and order picking systems.

Advantages for the customer

A special feature are the lifters, integrated into the shuttle warehouse. 19 shuttles and 4 lifters per aisle ensure an extremely high performance in the warehouse, carrying out about 1,500 storage and retrieval operations per hour. Different storage systems are equipped with a uniform control system and the overall Klinkhammer warehouse management system including material flow control.

Data and facts

- Two-aisle, level-bound automatic shuttle warehouse with 38 shuttles, for 30,000 containers
- 1,500 storage and retrieval operations per hour
- 6 order picking stations
- 16 packing stations across 16 shipping lanes
- Klinkhammer system control and visualization
- KlinkWARE warehouse management software with interface to the ERP system

Shuttle warehouse with 38 shuttles



Order picking stations



Shuttle warehouse with 19 levels

