

Industry Brochure

# Intralogistics for Retail, Wholesale, E-Commerce



**kardex**

# Industry challenges

**As purchasing behavior rapidly changes, it is critical for wholesale, retail and e-commerce providers to integrate innovative, flexible and scalable intralogistics solutions. Too often these warehouses become overwhelmed by complex delivery demands, waste resources searching and training staff, struggle with manual operations and settle for inefficient storing, picking and packing processes.**

With increasing e-commerce sales, customer expectations and behavior continue to change. Customers are placing orders more frequently, in fewer quantities, later in the day, and expecting next-day or even same-day delivery. Wholesale, retail and e-commerce companies face similar challenges like increased order volumes, staff shortages in logistics, constantly changing customer requirements and limited warehouse capacity.

Operation facilities are spending more time on handling returns and battling bottlenecks when using traditional fulfillment ways. The person-to-goods order picking that has worked for decades can't keep up as the number of SKUs grows and the just-in-time order demands rise.

Kardex can help navigate today's challenges and introduces its customers to new intralogistics solutions guaranteed to surpass the competition.



How to manage returns handling as well as sales peaks and seasonal changes



How to handle a growing and changing product portfolio



How to meet delivery demands



# Smart intralogistics

Based on decades of hands-on experience partnering with warehouses world-wide, Kardex understands how to use automation to strengthen warehouse intralogistics and help companies stay a step ahead of the competition. Kardex's automated solutions are fast, reliable, and designed to meet unique industry-specific challenges.

## Why automate?

To be successful, it is essential to implement smart intralogistics solutions for storing, picking and packing. Automated solutions will support companies in accelerating order fulfillment and managing fluctuating demands or returns. Using intuitive and easy to operate equipment, only minimal training is necessary for new employees. Warehouse space will be optimized so that more products can be stored in a smaller footprint and the product portfolio can continue to grow.

Taking into consideration future growth, omni-channel distribution points and demand fluctuations, Kardex customers benefit from scalable solutions that address current and future industry needs. Automated solutions from Kardex escalate order fulfillment to the next level by minimizing space, increasing speed, improving accuracy and ensuring operational transparency.

Handle **peak demands & fluctuations**

Enable **future growth**

Accelerate **order fulfillment**

## Vihamij – Boost order processing in wholesale

Vihamij, a Dutch building materials wholesaler with 36 nationwide stores and an e-commerce sales channel, turned to Kardex when its business started growing rapidly. The company needed to ramp up both operations and order processing.

Kardex focused on consolidating storage locations for faster and easier access and creating a clear structure for replenishing between picking affiliate and customer orders.

By extending the warehouse roof and installing three 12-meter high Kardex Miniload-in-a-Box\* each with a turntable and LED pointer, Vihamij could produce a higher throughput, prevent picking and putting errors and reduce worker travel time.

### Customer benefits



Reduced labor resources and travel time



Increased order processing



\* formerly Kardex Compact Buffer

# ATS Group – Boosted warehouse performance

ATS Group, a Belgian technology company specializing in electrical and automation projects, turned to Kardex during rapid expansion to optimize space, increase productivity, and improve order management. Implementing eight Kardex Miniload-in-a-Box units transformed ATS Group's operations. Kardex integrated these units with existing conveyor and host systems, connecting material flow to the WMS/ERP via Kardex JMIF.

This reduced ATS Group's floor space from 950 m<sup>2</sup> to 400 m<sup>2</sup> and increased throughput from 500 to 900 orders. The number of operators needed was cut from 6 to 2, greatly enhancing efficiency. By automating inbound handling and using pick-to-light and put-to-light technology, ATS Group achieved faster, more accurate retrieval and picking.

### Customer benefits



Saved 50% + floor space



Reduced labor resources by two-thirds



# Kjell & Company – Efficient omnichannel solution

Kjell & Company needed a flexible and efficient solution to manage its growing online business and 80 retail shops selling home electronics accessories. With capacity at a maximum and the current static shelving not delivering as needed, Kjell & Company tasked Kardex to install an optimal, efficient storage solution that also allowed for continued expansion.

Kardex installed 12 Kardex Shuttles with dual access openings and the Kardex Color Pick System. Employees now pick retail and e-commerce orders simultaneously. They easily pick express orders and replenish returned goods or new inventory. This solution improved accuracy and inventory management, while increasing the picking performance from 70 picks per hour to 120–200 picks per hour.

### Customer benefits



Reduced footprint from 800m<sup>2</sup> to 80m<sup>2</sup>



70 picks per hour increased to 120–200



# Industry expertise

Kardex is a global industry partner offering customized intralogistics solutions for individual requirements across various industries. Based on decades of working with small to large-scale businesses in every corner of the globe, we have seen first-hand how every industry has its own unique challenges and demands when it comes to warehouse and plant operations.



Automotive  
and Transportation  
Equipment



Chemicals



Healthcare/  
Hospitals



Wholesale/  
Retail/  
E-Commerce



Food and  
Beverage



Kitchen/Wood/  
Furniture



Mechanical  
Engineering



Consumer Goods



Energy/Mining



Tires



Electronics



Pharmaceuticals



Administration  
and Service



Third-Party  
Logistics/  
Transportation



Public  
Administration and  
Government