

Customer Reference

BIKE24



AutoStore™ empowered by Kardex

Company
BIKE24

Location
Barcelona, Spain

Application area
eCommerce order fulfillment for bicycle parts & accessories

BIKE24 automates its new logistics center with an AutoStore solution from Kardex

Like many online retailers, BIKE24 must rethink its logistics and implement innovative strategies to efficiently manage rapidly growing orders and guarantee the shortest possible delivery times. In 2017 AutoStore revolutionized BIKE24's head office in Dresden, Germany. Due to this success, BIKE24 once again invests in robot-based storage technology and turns to AutoStore, the fully automated storage and picking system for its new logistics center in Barcelona. The solution is scheduled to go live in the 4th quarter of 2022 and will be the largest AutoStore facility in Spain to date.

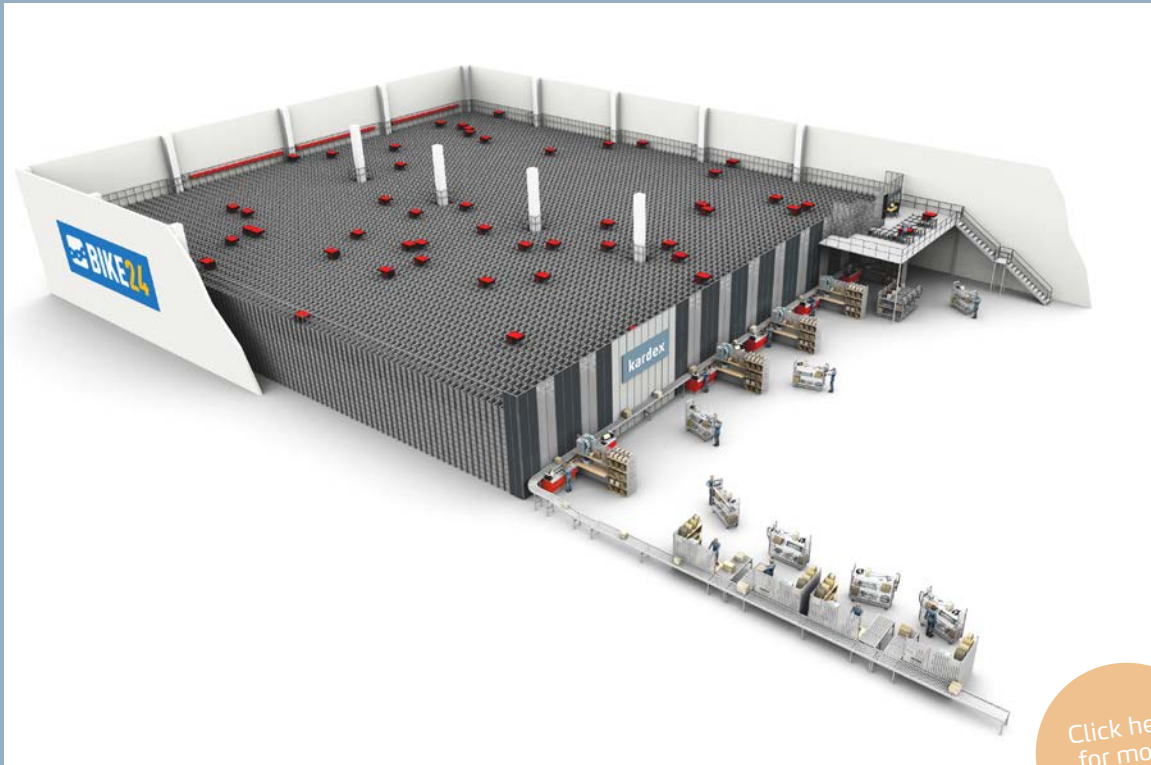
BIKE24 is one of Europe's leading online retailers for bicycle parts and accessories. Founded in 2002, the company has approximately 450 employees and processes customer orders from over 80 countries. BIKE24 annually ships around 1,500,000 parcels worldwide – a number that continues to rise! In 2017, the online retailer installed a compact AutoStore storage and retrieval system at its head office in Dresden to store more goods in less space and avoid having to relocate to new premises. The switch to AutoStore allowed BIKE24 to double its storage capacity.

A system that can grow with your business

In order to keep up with its annual double-digit growth targets and shorten delivery times to its customers all over Europe, BIKE24 now invests in another AutoStore system with adjoining conveyor technology for its new logistics centre in Lliçà d'Amunt, Barcelona. The intralogistics solution provider Kardex has been commissioned with the planning and implementation of the overall solution.

"We chose Kardex for this project because we were looking for a competent, customer-focused partner with extensive global experience and a local presence. We were really impressed with the reliability and flexibility of the Kardex team [.....]."

Christoph Knippschild, Head of Operations at BIKE24



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Goods-to-person instead of person-to-goods

The logistics center in Barcelona has two large 5,000 m² warehouses which, in the future, will not only be supplied by the Dresden facility, but also by the suppliers directly. Orders will be processed by intelligent AutoStore robots that pick up the storage bins and present them to the workstations, where the operators put the items into the shipping cartons before they label and seal them. The cartons are then transported directly from the Ports to the dispatch area on a conveyor belt. 90% of BIKE24's products fit in AutoStore bins (internal dimensions 603 × 403 × 312 mm).

The remaining items are stored either in the manual shelf warehouse, the pallet warehouse or the flexible block warehouse. Orders that require items from manual storage areas for completion are gathered on picking trolleys and then finished via a route-optimized multi-order picking process. With this process, orders always reach the packing stations in bundles so that order items can be consolidated quickly and efficiently. In the dispatch area customer orders are sorted and loaded by carrier and region.

"AutoStore enables us to significantly increase efficiency, as travel times in the warehouse are eliminated altogether," states Knippschild. "The optimum utilization of the available storage space has also resulted in a noticeable reduction in the workload for our employees. With our ergonomically designed goods-to-person workstations, bending down or stretching up to the shelves are a thing of the past."