

# Room to grow.

## Innovative racking solution in the Hartje bicycle warehouse.

Whether it's an e-bike, a classic bike or a motorised drive stand — business is certainly booming for bicycle wholesaler Hermann Hartje KG: The thriving business and steadily increasing order numbers led to a restructuring in the logistics centre in Hoya, where Jungheinrich made a significant contribution to improving warehouse capacity by building a four-story shelving with integrated vertical lift systems for the storage and order picking of bicycle parts and wide-aisle multi-bay racking for as many as 75,000 bicycles. The innovative storage solution helped the customer to achieve increased throughput and, as a result, faster order processing. In turn, they were able to cater for their customers' requirements even more reliably.

### INTELLIGENT PARKING FOR 75,000 BICYCLES.

Selling numerous own brands and retail brands such as Victoria and Conway and employing more than 900 members of staff, Hartje is one of the leading companies in the industry. But, with such a large variety of items in a warehouse with limited floor space, clever racking solutions are required. This is where Jungheinrich comes in: Implementing a four-storey shelving system with an attached steel construction platform, which can be supplemented with additional shelving if required, in combination with wide-aisle pallet racking means that there is now ample space for the bicycles and accessories.

### SYSTEMISED AND DYNAMIC STORAGE.

Jungheinrich pallet racking is used to store Hartje's most important asset — the bicycles. By far the most valuable aspect of the racking solution is its versatility and ability to adapt to future requirements.

Space-saving vertical lift systems from Jungheinrich were installed in the four-storey shelving system. These lift systems enable the efficient storage and order picking of bicycle parts at a height of up to 10 m and guarantee significant savings in storage space by using the entire height of the room.

## Smart racking solutions for the future.

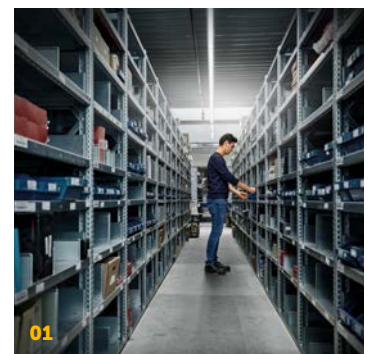
With a high level of process reliability, shortened routes and a simple connection to existing Warehouse Management Systems, Jungheinrich vertical lift systems guarantee optimum order picking performance.

### TAILOR-MADE SYSTEMS TO IMPROVE EFFICIENCY.

Increased flexibility in the warehouse and user-friendly racking solutions with quick access to all stored parts have led to a significant increase in goods throughput at Hermann Hartje KG since the restructuring. Orders can now be processed even faster and more efficiently. The existing storage space is also optimally used thanks to the custom-fit racking design. With 65 years of racking expertise to draw on and a focus on future-proof in-house developments, individual systems and the best possible quality, Jungheinrich solutions are in a class of their own.

**01** Bicycle parts are stored in space-saving multitier shelving.

**02** Conveyor systems move between the tiers with the vertical lift systems and other areas.



## AN OVERVIEW OF THE PROJECT



Customer:

Hermann Hartje KG

Industry:

Bicycle wholesale

Size of the company:

> 900 employees

Location:

Hoya, Germany

Warehouse size:

30,000 m<sup>2</sup> of storage space

## CHALLENGE

To optimise the use of space in the logistics centre, ensure the safe storage of bicycle accessories in the smallest of spaces and to increase throughput for faster order processing.

## JUNGHEINRICH SOLUTION

Wide-aisle multi-bay racking for the storage of 75,000 bicycles and a four-storey shelving with vertical lift systems for the storage and order picking of bicycle parts.

## RESULTS

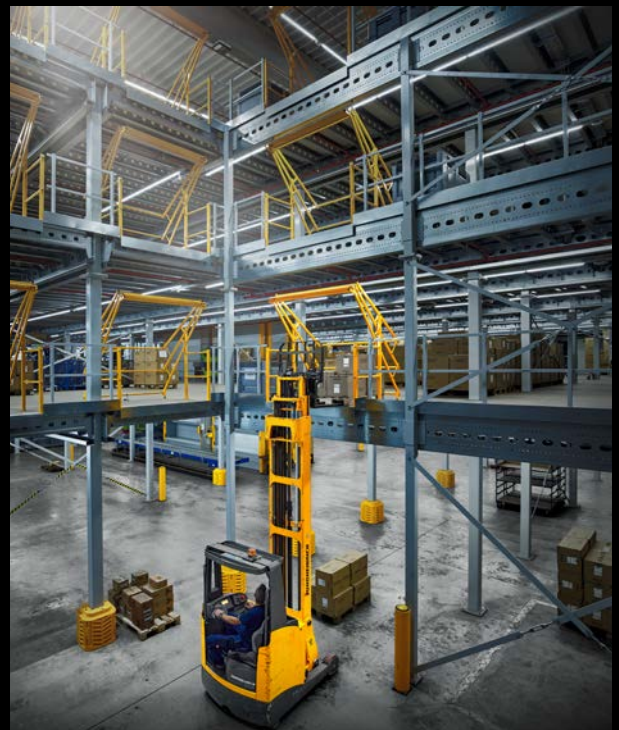
Improved warehouse capacity by utilising the entire height of the room, clearly structured storage of bicycle accessories and user-friendly order picking solutions ensure a significant increase in efficiency.

## IMAGES

Finished bicycles are ready for dispatch on the wide-aisle multi-bay racking.



The higher tiers are supplied with small palletised parts via the pallet gates on the steel construction platform.



Two vertical lift systems for small parts are integrated in the multitier shelving.