

Reference Bicycle Wholesale and E-commerce

messingschlager
THE BIKE EXPERIENCE

RETROFIT & EXTENSION DURING OPERATION

The Customer

Messingschlager GmbH & Co. KG in Baunach near Bamberg, Germany, operates Europe's largest warehouse for bicycle parts with 20,000 storage locations and delivers to more than 60 countries worldwide. 15 tons of goods are shipped by Messingschlager every day.

The Requirements

Retrofit of the existing system during operation to increase lifespan and system performance. Faster and more efficient, automated processes for an increasingly fragmented order management.

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The Solution

Retrofit-phased approach: Modernization of the automated, 18m high, 2-aisle high-bay warehouse, of the 1-aisle small-parts warehouse and the conveyor technology during operation.

- Extension of the high-bay warehouse by a new construction with 2-aisle, automated pallet warehouse for a total of 9,000 storage locations
- Conveyor connection of modern, multi-order picking stations equipped with displays: 4 retrieval and 8 pallet target locations for a high picking accuracy and short distances
- Replacement of the existing warehouse management software by KlinkWARE®
- Stacker control system for manual pallet storage, external, crossdocking and block storage
- Intuitive, mobile tablet dialogues for fast cart picking from lateral flow channels of the automated bin storage.



4-aisle high-bay warehouse with conveyor pre-zone



KlinkWARE® warehouse management software



Multi-order picking stations for pallets equipped with displays



Retrofit of the automated, 2-aisle pallet high-bay warehouse during operation



Retrofit of the 1-aisle, automated small-parts warehouse with lateral flow channels