

**LOGISTICS MADE FIT
DURING ONGOING OPERATIONS**





INITIAL SITUATION

Hans Turck GmbH & Co. KG in Mülheim an der Ruhr, is the worldwide sales and marketing headquarters of the globally active Turck group.

The increasing order situation and the strong company growth made it necessary for the automation specialist Turck to double its warehouse capacities.

When expanding the warehouse location, the company not only attached importance to technological optimization, but also to relieving the strain on employees through ergonomic improvements.



Hans Turck GmbH & Co. KG
Mülheim an der Ruhr, Germany

Doubling the performance and
retrofitting the logistics center



SOLUTION

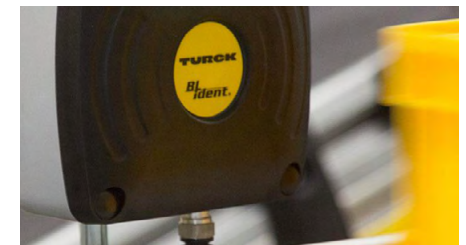
In order to meet the increasing order volume in the future, Unitechnik planned and implemented a completely new material flow concept.

This included three additional miniload aisles with highly dynamic storage and retrieval machines, new bin conveyor technology, goods-to-person picking stations, a lifting beam storage system for order consolidation, and packing stations.

The whole system is controlled by Uniware-LVS with integrated plant visualization. A new RFID system for

bin identification and the changeover to Profinet in the area of data communication round off the technical side of the modernization measures, in which many products from Turck were also used.

Each picking station is equipped with a lifting platform as well as anti-fatigue mats that are easy on the joints. The lifting platform allows the workstation to be adapted to the individual body size of the employees.





TECHNOLOGY AND KEY FIGURES

- three additional miniload aisles
- three goods-to-person picking stations
- lifting beam storage for order consolidation
- eight packing stations
- Modernization of existing technology during operation
- Performance and capacity reserves
- Employee-oriented ergonomics
- „All-time high“ in order picking already on the second day after go-live



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For two generations **Unitechnik** has been a successful owner-managed family enterprise. For five decades we have been counted among the leading providers of industrial automation and information technology. We plan and realize customized systems for in-house logistics and production whereby we are active throughout the world as an one-stop supplier.



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