

## Industry Reference

### Wholesale Trade

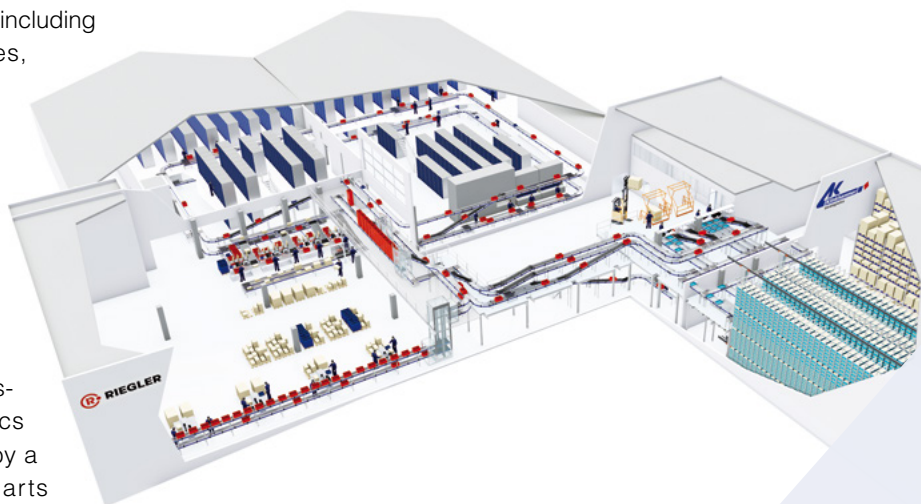


#### **The customer**

Ordered today, supplied to the customer the next morning – this promise is the basis for the success of the compressed air and pneumatics specialist Riegler located in Bad Urach. The company supplies 35,000 articles – including compressed air maintenance devices, manometers, shut-off devices, screw fittings and connection parts, pneumatic cylinders as well as hoses and pistols – to around 15,000 customers.

#### **The requirements**

The pallet, shelf and lift warehouses of Riegler reached their capacity limits. To optimally adapt the intralogistics processes to future requirements, the logistics center of Riegler has been extended by a state-of-the-art, automatic small-parts warehouse and a conveyor technology platform with order picking stations.



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3 order picking stations on a platform in the pre-zone of the small-parts warehouse

### **The solution**

Klinkhammer examined a wide range of alternatives. The variants were analyzed for advantages and disadvantages, investment costs, capacity and performance limits as well as personnel and space requirements. The decision was then made in favor of an automatic, two-aisle small-parts warehouse with order picking platform, which is connected by conveyors to all existing storage areas. One clever detail is the flexible container division. When additional storage capacity is required, storage containers can be divided several times. Thus, much space is saved when small parts are stored. The shelf warehouse with 30,000 storage locations is also replenished via conveyor technology from the automatic small parts warehouse, the manual pallet warehouse with 3,500 storage locations or directly from the goods receiving area. In the shelf warehouse, order picking is performed via pick-by-voice technology. A total of 700 m of container conveyor technology connects all storage areas. The Klinkhammer warehouse management system and the material flow computer control the warehouse management. The system is connected to the remote service and is monitored centrally and supported by the Klinkhammer Service24.

### **The advantages for the customer**

By opting for a modern, automatic small-parts warehouse and a conveyor technology platform with order picking stations, the storage capacity and the order picking performance were almost doubled. The length and the width of the automatic small-parts warehouse can be extended if needed.

### **Data and facts**

- 2-aisle, automatic small-parts warehouse with 17,820 container storage locations
- Conveyor technology platform with 3 order picking stations
- Manual pallet warehouse with 3,500 storage locations
- 700m of container conveyor technology connect goods receiving, storage areas, 9 order picking areas, packaging and shipping area
- Shelf storage on 2 levels with 30,000 storage locations and order picking via pick-by-voice
- Packaging area with 7 workstations
- Klinkhammer warehouse management software with interface to the ERP-system Comarch

2-aisle, automatic small-parts warehouse with 17,820 container storage locations



Shelf storage with 30,000 storage locations and order picking via pick-by-voice



Packaging with 7 workstations

