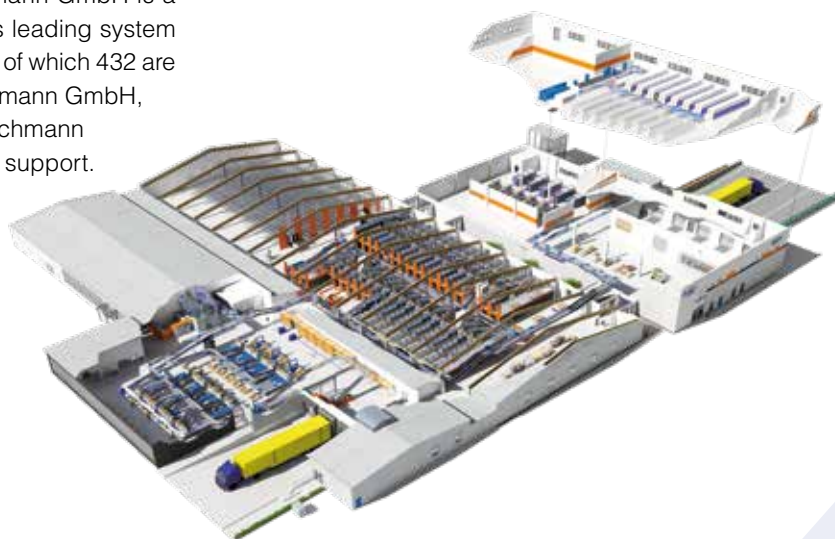


**Branch Reference**  
**Tool Trading**



**The Customer**

Since 1996, the company Hch. Perschmann GmbH is a partner of the Hoffmann Group, Europe's leading system partner for quality tools. 2,700 employees, of which 432 are working with the companies Hch. Perschmann GmbH, Perschmann Calibration GmbH and Perschmann Poland, ensure nationwide coverage and support. The sales region of Perschmann covers the area situated along the virtual line between Kassel, Hannover, Lüneburg and Wismar from South to North and Kassel, Halle and Cottbus from West to East. The subsidiary Perschmann Sp. z o.o, headquartered in Poznan, is in charge of the entire Polish territory.



**The Requirements**

Over the past few years, the volume of articles almost doubled from 40,000 to nearly 70,000 articles. In order to be able to meet the promised delivery reliability of 99.9% and supply availability of 99% also in the future, it was necessary to adapt the number of storage locations available. Additionally, the aim was to increase the storage capacity particularly for small and smallest parts and to optimize the picking performance.



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Station – container conveyor technology in the shelf storage system

### **The Solution**

In the new logistics building, the areas of goods receipt, storage, picking, packing and shipment of tools were completely reorganized. With an overall height of the new building of 10.70 m and a surface area of around 62 x 31 m featuring two floors, among others, a drawer system was established and connected by means of conveyors. During this process, the container conveyor technology of the existing building #2 was linked with the small parts drawer system and with the empty container buffer in the new building #3. Additionally, an extreme consolidation of small and smallest parts was achieved with short distances to go for picking. Thanks to the use of pick-by-voice technology it was possible to increase productivity, reduce error rates and further improve the picking performance.

### **Advantages for the Customer**

Given the high article storage density in the drawer system the walking distances for the order pickers at Perschmann have become considerably shorter. The working heights were ergonomically optimized as well. Beyond that, the order picking staff is guided via pick-by-voice technology which increases the picking performance from 90 picks to almost 150 picks per hour

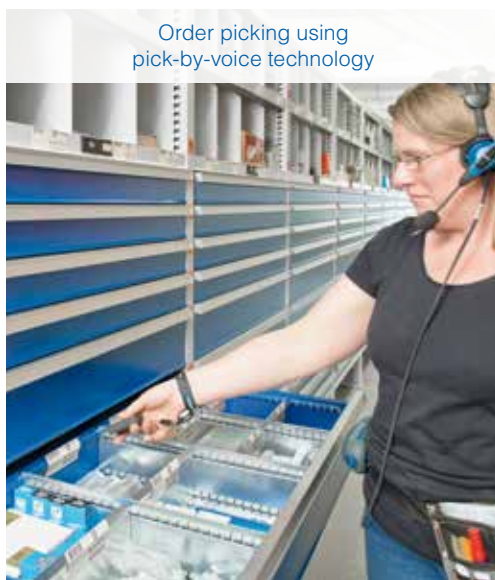
and picker. The error rate has decreased as well. Thus, by building a new logistics warehouse Perschmann has not only gained more space for quality tools and accessories, by implementing the intralogistics concept the company has also topped the promised performance in terms of supply availability and delivery reliability even with increasing product variety.

### **Data and Facts**

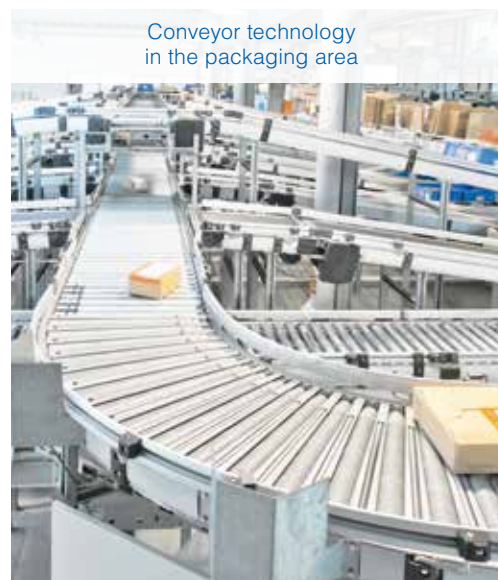
- Pallet high bay warehouse optimized and adjusted to the roof pitch: Replenishment/picking using narrow forklift truck and forklift terminal or picking mobile
- Modular shelving system: 2 levels with 12,448 shelves offering around 40,000 article storage locations
- Drawer system: 260 cabinets with 2,340 drawers offering storage capacity for 52,543 storage locations for the small and smallest parts product line
- Container conveyor technology: 1,230 m of conveying line
- Order picking using pick-by-voice technology: Shelf storage system, drawer system, pallet warehouse
- Order consolidation buffer: 1 storage/retrieval crane, 504 container storage locations
- Material flow computer and control engineering by Klinkhammer



Drawer system with station



Order picking using pick-by-voice technology



Conveyor technology in the packaging area