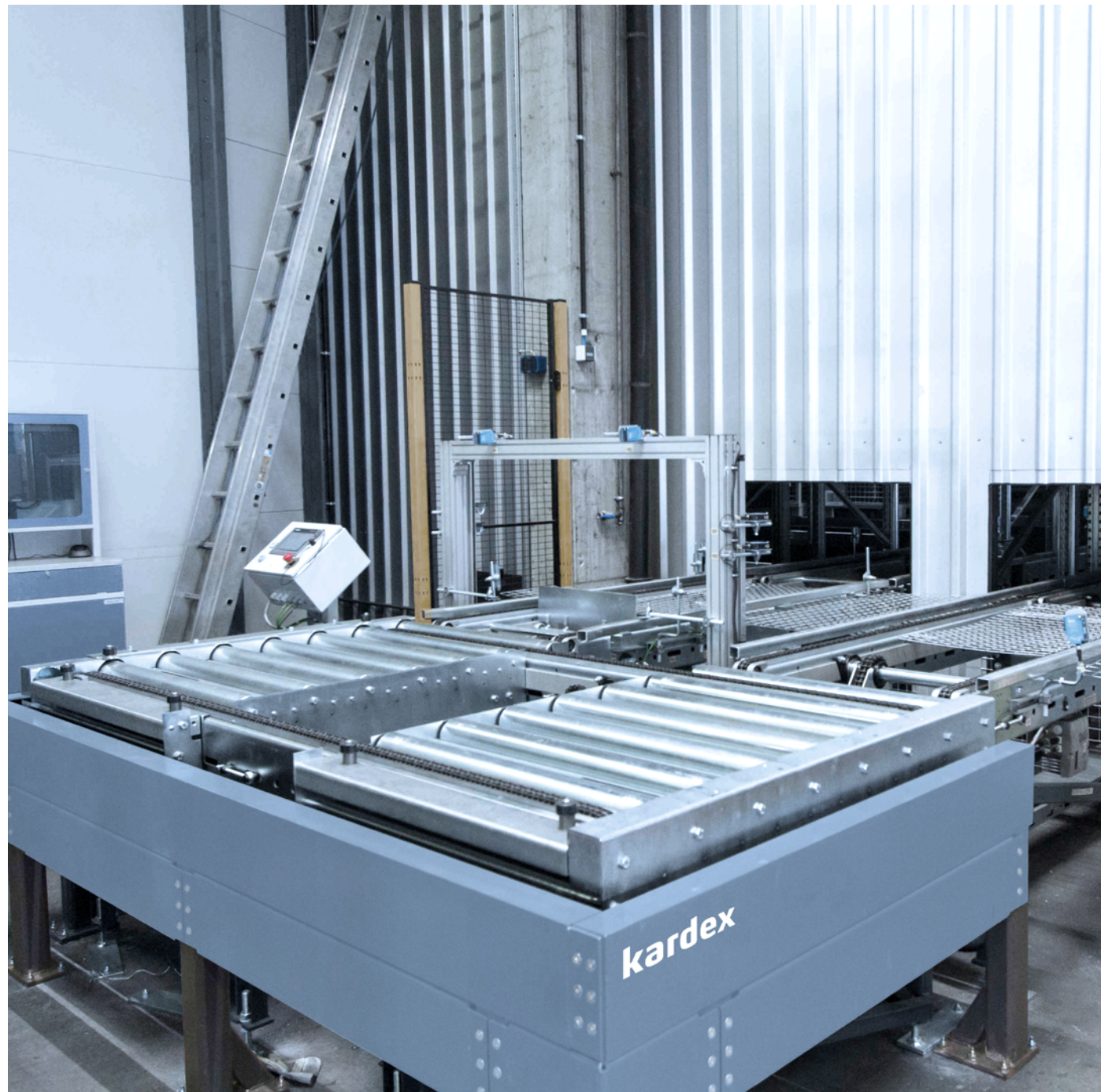


Case Study

More than a Facelift





Higher performance through automation

Customer and challenge

Hirschvogel Automotive Group is one of the largest automotive suppliers in the steel and aluminum forged parts sector. In the tool and prototype construction area at the company's main plant in Denklingen, the equipment kits for the forging presses have always been stored in mixed groups in wire mesh containers and on pallets in a semi-automated high bay warehouse. Storage and retrieval have been carried out using two manually operated stacker cranes. The plant and its processes no longer met the requirements of the company with regard to transparency, efficiency and reliability.

Solution

Following dismantling of the old plant, the existing building now contains a state-of-the-art system including racking and a new stacker crane for multiple deep fully automated storage and retrieval of the wire mesh containers. The refurbishment was completed in just 12 months. The warehouse is controlled and monitored using the Kardex Control Center. This includes Kardex MVisu plant visualization, Kardex MFlow material flow control, and the Kardex MCom communications module, which enables data transfer to SAP ERP.

All storage and retrieval operations are controlled and monitored centrally via SAP. When the goods are being stored, SAP transfers the orders with target storage locations, and Kardex Control Center converts these into numbers and stages the wire mesh container in the picking area. After filling, the containers are stored again. The retrieval processes are handled in the same way.

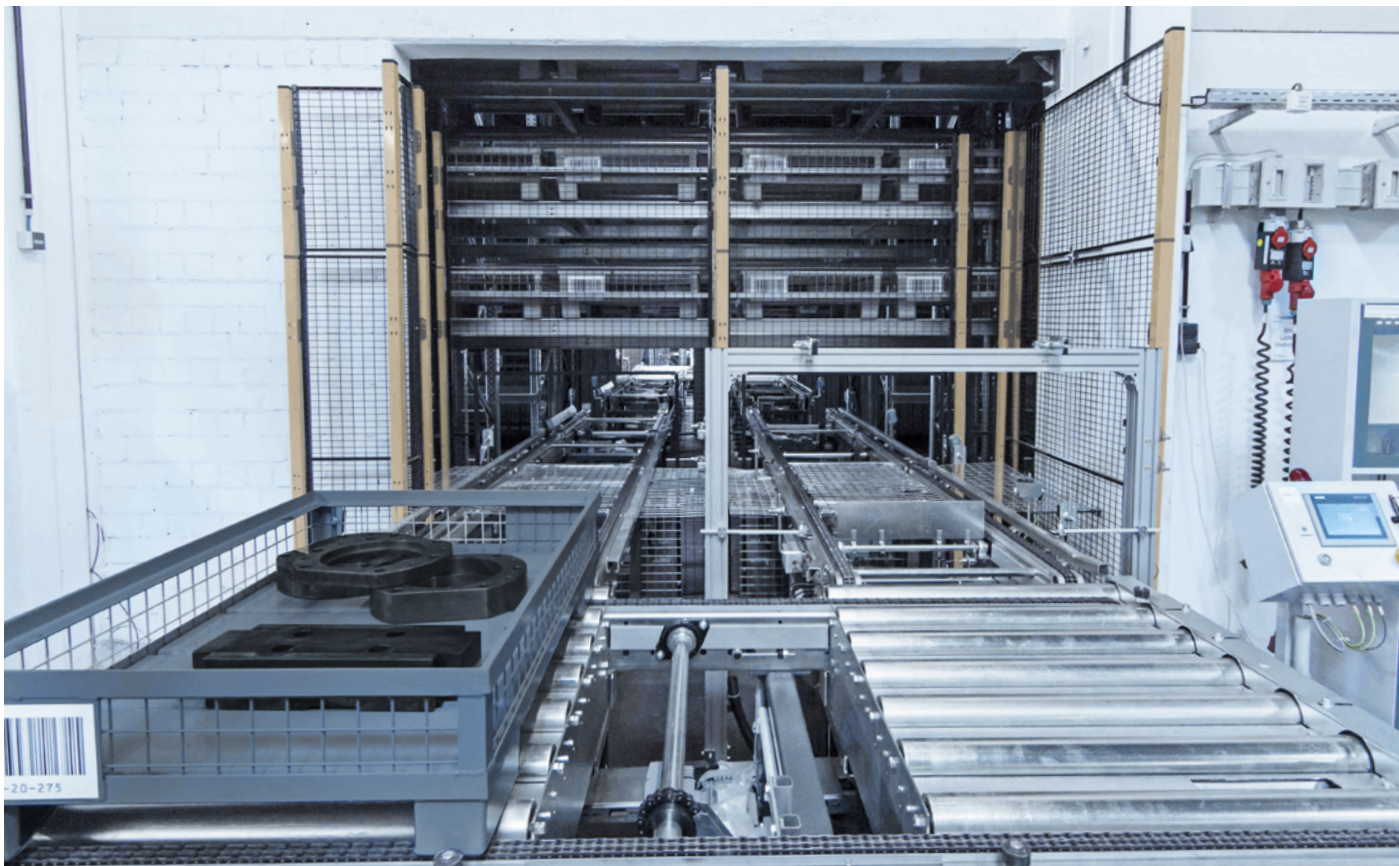
Case at a glance

Kardex Mlog replaced the manual tool warehouse at Hirschvogel Automotive Group with a fully automated system with connection to SAP. The automation brought about significant improvements in reliability, transparency and performance. The complete solution, supplied by Kardex Mlog and consisting of stacker cranes, conveying technology and software, was quickly integrated into the existing infrastructure.

12 months
project runtime

Improved performance:
30 double cycles/hr

Unique storage
location assignment



Scope of delivery



1 Stacker crane of type Kardex MSingle A for multiple storage and retrieval



Complete racking for high-bay warehouse with 884 storage spaces



Kardex Control Center with Kardex MVisu,
Kardex MFlow and Kardex MCom