



# A COMPLEX TASK THAT WAS SOLVED COMPLETELY

## Case Study // Heidelberg Druckmaschinen AG

A completely new logistics concept including racking and a fleet of trucks for the largest and most state-of-the-art printing press factory in the world: Linde Material Handling faced this Herculean task at Heidelberg Druckmaschinen AG and was able to impress the customer in all aspects of the demanding project.

## HEIDELBERG

**Company:** Heidelberg Druckmaschinen AG, Wiesloch-Walldorf (Germany)

**Industry:** Mechanical engineering

**Task:** Establish a safe, efficient and flexible production supply with optimum use of space

**Linde solution:** Planning and implementation of a high rack warehouse and supplying high-lift order pickers and route trains



## Task

Founded over 100 years ago, Heidelberger Druckmaschinen AG is one of the world's leading printing press manufacturers. As a result of the ever-increasing trend towards individual customer requirements, the entire assembly at the Wiesloch-Walldorf site had to be converted to modular construction. In this context, a logistics, racking, and equipment concept was required that would meet the needs of the more flexible production method fully.

## Challenge

In order to avoid mountains of goods on the lines at any one time, production goods were to be provided on an order-by-order basis; this, in turn, required the construction of a picking warehouse that can integrate large and small parts as well as complete assemblies and different container sizes. At the same time, the highest safety and ergonomic standards had to be guaranteed.



**According to demand** In the newly installed high-rack warehouse with 13 racking rows, the components required for the printing presses on the production line are picked on an order-by-order basis.

## Solution

A supermarket high-rack warehouse was installed, with Linde R14 reach trucks storing goods in the wide aisles. In the narrow aisles, Linde V modular induction-driven high-lift order pickers take care of order picking and replenishment. The employees then place the components on wire mesh set trolleys, which are finally brought to the lines by Linde Load Trains.

## Advantages

As the general contractor, Linde, together with its network partner, took over project management for the entire project, including rack construction, the logistics concept, and equipment procurement; this meant that Heidelberg was able to devote its full attention to the extensive reorganization of production supplies. While the excellent ergonomics of the Linde equipment allow the employees to work without strain, the design of the set trolleys, which are accessible from both sides, permits highly flexible route planning.



»Not only did we implement the project on time and within budget, but we also achieved our goal of lean logistics.«

Matthias Ehmler, Plant Logistics Manager,  
Heidelberg Druckmaschinen



**Flexible on the train.** The Linde Load Trains consist of Linde P50 tow tractors and trolleys with all-wheel steering and wide lifting lips.

## Roll it!

The button leads you directly to our video, which shows the newly organized production logistics at Heidelberg.



Linde Material Handling

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