

Case Study

Small Footprint, Major Benefits





40 meters tall and slim

Customer and task

The growing product range of Brauns-Heitmann led to an increased requirement for storage space. For several years the company solved the problem by renting out storage premises and this naturally led to decentralization of logistics. It was against this background that the idea arose to build a new high-bay warehouse at the company's headquarters in Warburg in North Rhine Westphalia.

This new warehouse was to receive the palletized goods from the filling and packaging lines of the production process and stage the finished goods for shipping. It also provided intermediate storage for packaging materials.

Solution

As the general contractor, Kardex Mlog was responsible for the supply of all services ranging from the steel racking construction, including the roof covering and facade, right up to the warehouse management system. Space constraints added to the challenge. The plan called for creating more than 10,000 pallet storage spaces within a floor area of just 15 x 100 meters. To achieve this capacity, Kardex Mlog created 23 racking levels.

The new high-bay warehouse is 40 meters tall. Three stacker cranes of type Kardex MSingle B 1000/40 ET were custom built for the facility. To ensure the stability of the narrow building, the entire high-bay warehouse was sunk four meters into the ground. Due to the dimensions of the small site, the construction process required meticulous planning. Each stage of the process had to be completed "just in time" – this was also the case for the entire roof and wall paneling and for the conveying technology with its 71 drives.

Case at a glance

Over 10,000 pallet storage spaces built within just 1,500 square meters
Kardex Mlog was commissioned by Brauns-Heitmann, the household chemicals and decorative items company, to build a high-bay warehouse at its German headquarters. On a floor space of 1,500 square meters, Kardex Mlog constructed a 40-meter high, silo-type, three-aisle high-bay warehouse with a capacity of 10,056 pallet storage spaces.

10.056
Pallet storage
spaces

Disposal
of production

Tall and
extremely
narrow



Scope of delivery



3 stacker cranes of type Kardex MSingle B 1000/40 ET



Conveying technology with 71 drives



Kardex Control Center, Kardex WMS, Kardex MFlow and Kardex MVisu