

Case Study

Double-Deep Without Wasted Space





400 additional pallet storage spaces

Customer and challenge

The Berner Ges.m.b.H. company, based in Braunau am Inn, Germany is the Austrian subsidiary of the internationally active Berner Group, a direct seller of tools, equipment and materials for craftsmen, garages, and also for industry.

The Braunau location supplies five subsidiaries in Hungary, the Czech Republic, Slovakia, Romania, and Croatia. Due to continuous growth, Berner needed a highly efficient new pallet warehouse with a high number of storage spaces to ensure sufficient capacity for the future.

Solution

Kardex designed and constructed a 2-aisle high-bay warehouse. The storage and retrieval operations (max. 80 double cycles/hour) are handled by two approximately 21-meter high stacker cranes of type Kardex MSingle A 22/1000 ZT. The patented Kardex MSpacer fork ensures that, with double-deep storage, the full height of the second row can be utilized. The result was 400 additional pallet storage spaces.

On the ground floor, there is the conveying technology and also two picking stations. Using Kardex MVisu plant visualization, the entire conveying technology and the stacker cranes can be illustrated graphically. Visualization enables interactive contact with the material flow system – from context-related processing of location data to the information required in the event of a plant malfunction. Kardex Mlog completed the entire project in just 12 months.

At a glance

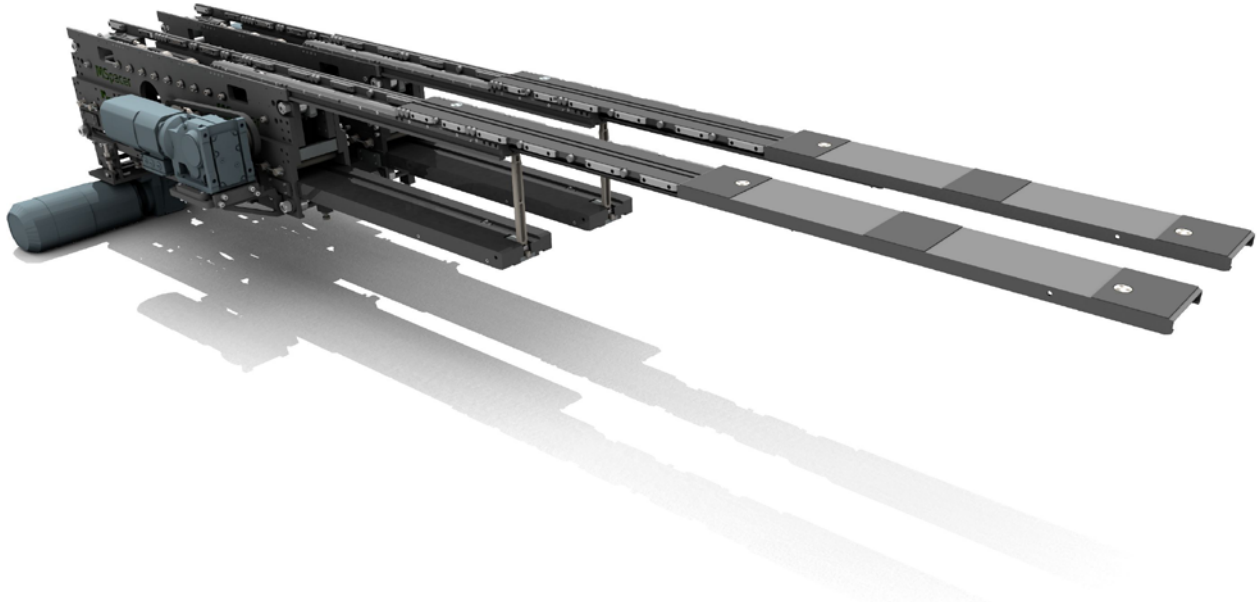
Berner optimizes storage space

In 2021, the Berner company, which specializes in professional tools, mounting materials, and chemical products, commissioned Kardex Mlog to build a fully automated high-bay warehouse for 5,560 pallets, equipped with conveying technology. The patented, telescopic load-handling device, Kardex MSpacer, which enables double-deep storage and doesn't waste any space, played a key role.

5,560
pallet storage
spaces

No space
is wasted
in the 2nd row

40
double cycles
per stacker
crane



Scope of delivery



2 stacker cranes of type Kardex MSingle A 22/1000-ZT with the Kardex MSpacer load handling device



Conveying technology, output buffer for up to 13 pallets and 2 picking stations (goods-to-person)



Kardex Control Center with the Kardex MBase basic module and Kardex MVisu for plant visualization