

Case Study

# Relocating Warehouses





# Adapt for the future

## Customer and task

For over 100 years, Dorma has produced integral solutions for opening and closing doors.

To focus more on their future and customers, Dorma initiated several investment plans in Germany. This included moving electronic productions near mechanical productions and moving seven Vertical Carousel Modules (VCMs) Megamat RS and 8,500 components while keeping downtimes to a minimum.

Challenges included accessing the Bonn location, reaching the Megamat RS on the 2nd floor, and knowing the old floor couldn't bear a forklift truck's weight.

## Solution

Kardex's Life Cycle Service created a plan to dismantle, transport, reassemble, and test.

They dismantled the Megamat RS in Bonn in reverse order to which they were then assembled. The access opening came first – then the control unit, switch cabinet, trays and carriers, and paneling. The 800-kilogram framework structure rested on creeper dollies using a block and tackle before being pushed outside on the frame through double doors. Here a forklift truck lowered it to the ground and an electric pallet truck moved the 100-kilogram driveshaft.

For the narrow halls in Bonn, specialists worked with lighter means of transport, scissor lifts, and creeper dollies, but in Ennepetal, they used heavy equipment, such as cranes and forklifts.

Kardex serviced the units, replaced spare parts, and performed an electrical safety test during the move.

## Case at a glance

### How we took our customer from task to solution

Dorma Germany relocated from Bonn to its headquarters in Ennepetal. They wanted to move electronics production closer to mechanical production. Kardex Remstar's Life Cycle Service team relocated seven automated Vertical Carousel Modules and ensured Dorma's 8,500 different components were ready to quickly handle again.

7 Megamat RS  
moved smoothly

Minimum  
downtime

Zero delays  
in production  
delivery



### Scope of delivery



Kardex Remstar's Life Cycle Service provided relocation, project planning, and expert advice



7 Vertical Carousel Modules Megamat RS dismantled (5 m high, 4 m wide) and transported 100 kilometers



Storage systems reassembled, spare parts replaced, and electrical safety test performed