

Move between locations completed on schedule

Electrics and Electronics



Dorma Deutschland decided to relocate from Bonn to its headquarters 100 kilometers away in Ennepetal in order to be able to manufacture printed circuit boards in a more process-oriented way and closer to the mechanical production operation. After the move was completed on schedule by Kardex Remstar's Life Cycle Services, the 8,500 different components were ready to hand again within the shortest space of time in the seven automated vertical carousels at the new location.

Advantages at a glance

- 7 vertical carousels moved smoothly between locations
- Downtime for the electronics production operation kept to a minimum
- No delay in production deliveries thanks to careful relocation planning
- Money saved by servicing the units, replacing spare parts, and performing an electrical safety test in the course of the move

Further Information:
www.kardex-remstar.com



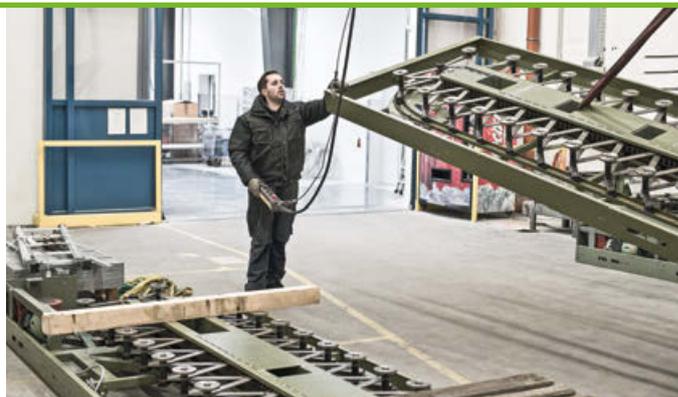
1 Customer



Dorma Deutschland in Ennepetal employs around 70 people and manufactures printed circuit boards for sliding doors, self-locking panic bolts, and electronic cylinder locks, which are then fitted by the Dorma Group in its factories. The company has a tradition dating back more than 100 years and produces integral solutions for opening and closing doors.

2 Task definition

To enable Dorma to focus even more strongly on its customers in the future, a whole range of investment plans were on the agenda at its German sites. That is why the production of electronics was moved from Bonn to Ennepetal, closer to the mechanical production operation. Production had to be halted briefly during the move. The old hall in Bonn was difficult to access and the vertical carousels were on the second floor. The floor was unable to bear the weight of a forklift truck, which made the dismantling process a big challenge. The new hall in Ennepetal, on the other hand, is at ground level with a large access area and generous dimensions.



3 Solution



“Despite a year of brisk sales, we have pre-produced so many printed circuit boards that we have still been able to supply our factories during the move,” explained plant manager Jürgen Klöther. This was organized in close cooperation with those responsible for relocation planning. Furthermore, to keep downtimes to a minimum, the vertical carousels were dismantled at the old location and reassembled at the new location by the experienced Kardex Remstar relocation team. The units were dismantled in the reverse order to which they were assembled. The access opening came first, then the control unit, the switch cabinet, the trays and carriers, and then the paneling. The 800-kilogram framework structure was rested on creeper dollies using a block and tackle, before being pushed outside on the frame through the double doors where it was lowered to the ground by the forklift truck. The 100-kilogram driveshaft was moved by an electric pallet truck. In the narrow halls in Bonn the Kardex Remstar specialists primarily worked with lighter means of transport, scissor lifts, and various creeper dollies. In Ennepetal they were able to use heavy machinery, such as cranes and forklift trucks, as usual. As a result, the seven vertical carousels containing around 8,500 different electronic components used in production were available again in next to no time.

4 Scope of delivery

- Relocation project planning and advice provided by Kardex Remstar’s Life Cycle Services
- 7 Megamat vertical carousels dismantled (height: 5 m, width: 4 m)
- Units transported from Bonn to Ennepetal 100 kilometers away
- Storage systems reassembled and serviced, spare parts replaced, and electrical safety test performed



Personal information for optimizing your intralogistics:

service.remstar.de@kardex.com
www.kardex-remstar.com