

Towering storage of heavy tools

Machinery



Paul Henke produces around 1.8 billion articles made of plastic and zinc for the furniture industry every year. More than 3,000 tools used in injection molding and other materials are on hand in next to no time with the help of storage systems from Kardex Remstar and its industry partner Intertex.

Benefits at a glance

- Storage of 3,000 tools on a footprint measuring 55 square meters in a tower around 24 meters high
- Fast production changeover times thanks to the swift retrieval of tools
- Customized storage for a wide range of applications in all load classes

Further Information:
www.kardex-remstar.com



1 Customer



In Paul Henke's injection molding production halls in the East Westphalian town of Löhne, 7,000 metric tons of plastic are turned into fittings for the furniture industry every year. These include cover caps, panel holders, shelf studs, drawer slides, and furniture feet. Plinth systems are the company's main product and Paul Henke produces around 55 million of these annually.

2 Task definition

An additional 100 new injection molding tools are added to the existing stock of around 3,000 tools at Paul Henke every year. The tools were previously stored on static shelving and employees had to travel long distances to fetch the right tool from the warehouse during production changeover times. The company therefore required storage systems which could be installed on a small footprint and allowed tools to be retrieved quickly.



3 Solution



To store its heavy tools, Kardex Remstar recommended that Paul Henke use three 23.80-meter-high TowerMat storage lifts made by its industry partner Intertex. These are now housed within a tower on a footprint measuring just 55 square meters. One TowerMat carrier unit can hold up to five metric tons; the three storage towers can accommodate up to 915 metric tons between them. A centrally operated stacker crane in the TowerMat fetches the heavy parts from their storage space and automatically conveys them to the bottom in line with the goods-to-person principle. "Nowadays we get the right tool at the touch of a button," says Thomas Wittenbreder, technical operations manager. "From then on, it only takes around an hour to make the finished product." Besides the TowerMats, storage lifts from Kardex Remstar are also used to store components and spare parts in the toolmaking department, to store samples of all the parts produced, and to store around 7,000 different colors in the paint department.

4 Scope of delivery

- 3 TowerMat storage lifts from Intertex
(W x D x H: 5,400 x 3,400 x 23,800 mm)
- 5 Shuttle XP 250 storage lifts
(various dimensions)
- Power Pick Global warehouse management software
from Kardex Remstar



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