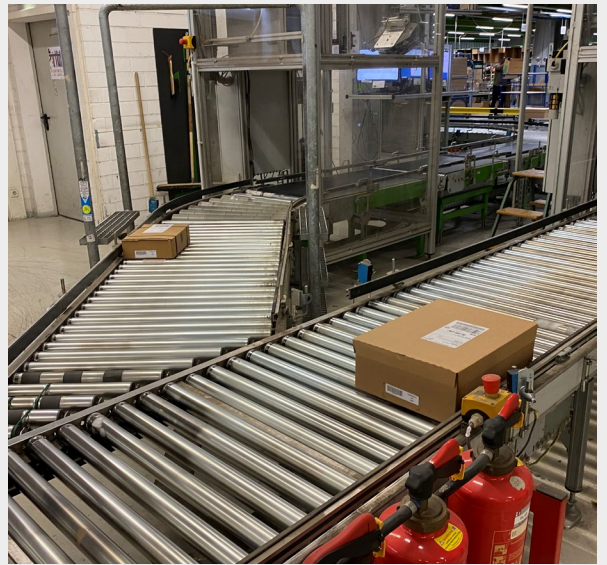


Optimizing resource efficiency in logistics

New packaging system reduces packaging materials

The new packaging system automatically adjusts the height of the carton to the contents of the pack, allowing high savings potential to be realized for all materials used. The new processes and systems in distribution logistics were launched in April 2022. The cartons glued to the base with the lids glued to the flaps on four sides meet the requirements for theft-proof and stable packaging. At the same time, less waste is produced as less material is required overall. Handling by the customer is significantly simplified by the ability to open the package without tools using a tear strip and perforation.

The measure reduced the weight by approx. 16-34% per box. As a result, the number of pallets was reduced by 47-63% and fewer trucks and fewer transports to customers are now required. The consumption of bubble wrap has been reduced by around 80 % thanks to the individual height adjustment of the packages and the fact that only horizontal compensation is required in the carton. The use of tape for strapping the new cardboard boxes has also been reduced by 66%. Manual taping of the cardboard boxes is no longer necessary, so that here too a reduction in tape consumption of around 66% has been achieved.



From plastic air cushions to paper

Except for special customers, it was possible to switch 100% from bubble wrap to paper padding. The air cushions had to fill the entire cavity, whereas the paper cushions can be used systematically to prevent slipping. Other advantages are that a central filling station can be used for the paper cushions. In contrast, each packing station previously had its own air cushioning machine. In addition, the strapping tapes could be reduced by two thirds as the packaging system performs automatic gluing.

