

Industry Reference

Pharma

Online Pharmacy

apn logistics.com

FULLY AUTOMATED LOGISTICS CENTER WITH ROBOT PIECE PICKING

The Customer

In addition to its existing logistics location in Leipzig, Apologistics GmbH has put Europe's most modern, fully automated logistics center with 20,000 m² for online pharmacies into operation in Duiven, Netherlands. Apologistics supports its mail-order pharmacies with more than 100,000 products, from the storage and provision of goods to order picking and "same-day" delivery to customers.

The Requirements

Klinkhammer supplies, integrates and digitizes the entire material flow of the automated warehouse, from state-of-the-art robot picking technology up to the automated dispatch. More than 400 employees would have to be employed for a comparable, manual distribution center of this size with highest delivery quality. Due to the high degree of automation, Apologistics gets by with a tenth of the workforce.

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The Solution

The modern material flow control and warehouse management software of Klinkhammer are the brain of the system in the logistics center. They optimize the performance of the system and map fully automated processes with a large number of interfaces to automated storage, picking and dispatch systems. Robot piece picking not only increases picking accuracy, but also efficiency, in particular in case of "lot size 1 picking".

- Fully automated robots pick from 6 bins into the target carton
- Auto store bin warehouse with 70 robot vehicles and 92,000 bins
- Conveyor connection of the automated storage and robot picking to dispatch
- Klinkhammer control technology, material flow control and warehouse management software



Fully automated robots pick from 6 bins into the target carton



Conveyor technology to the robot picking cell



Piece picking with conveyor connection



Parcel packing line



Automated carton sealer with conveyor connection