

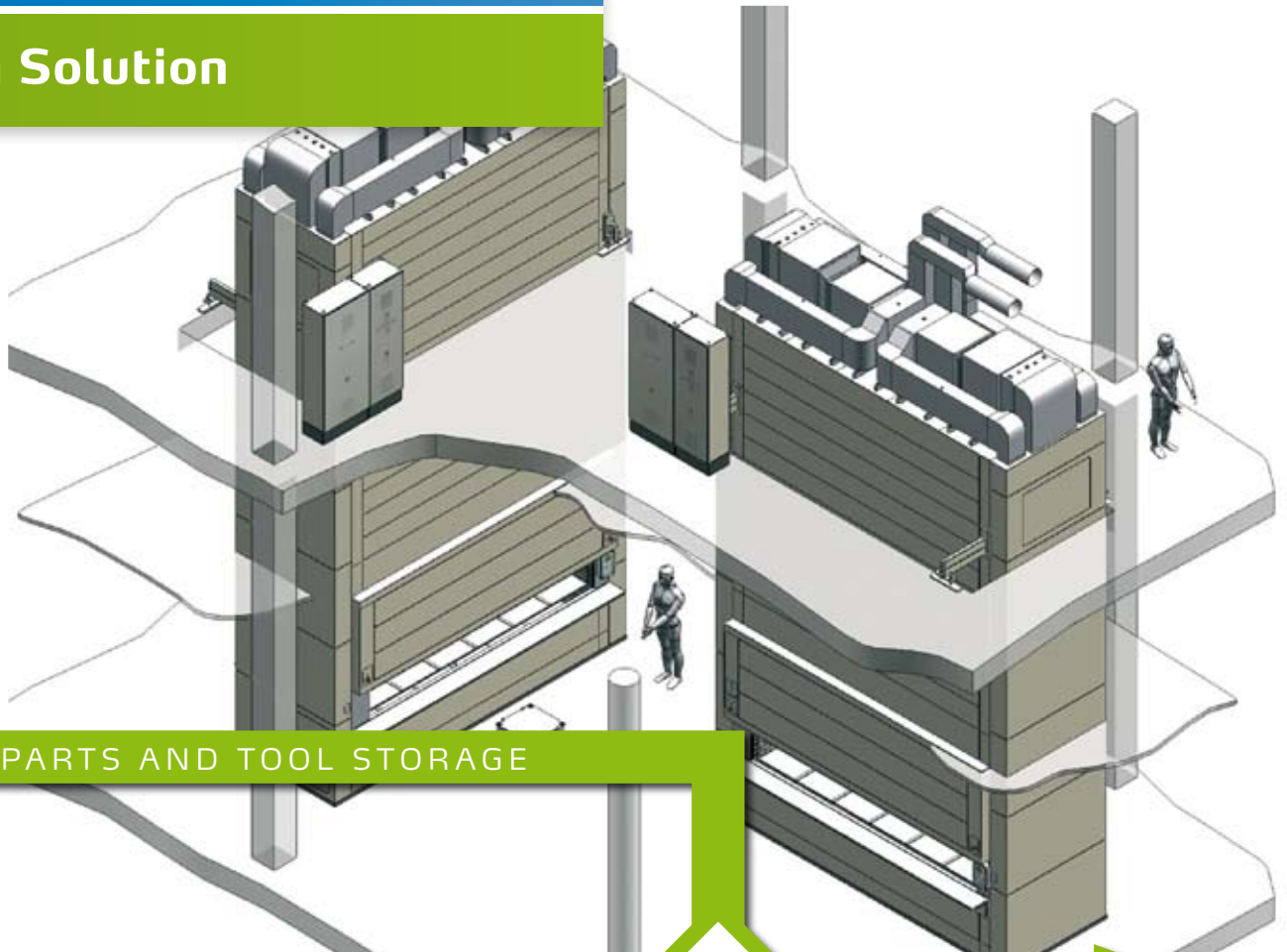
Warehouse & Distribution

Order Picking

Distribution of spare parts

Case Study 005

Clean Solution



SPARE PARTS AND TOOL STORAGE

The Customer

NYCOMED

Nycomed is a world-wide operating pharmaceutical company with traditions reaching far back into the 18th century. In the company's history there are many product developments and innovations that have formed the basis of the economic success and the leading status of the company today. Two products that are manufactured by Nycomed Austria, the collagen patches TachoComb® und TachoSil® are used in medical applications to control bleeding and seal tissues during surgery.

Further Information:
www.kardex-remstar.com



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Task definition

Until 2003 Nycomed Austria used to produce around 180,000 TachoComb® collagen patches per year. After the reorganization and extension of the production plant with three additional floors, production quantities increased in stages: whereas in phase 1 290,000 patches were produced, quantities in phase 2 – which ended by the middle of 2005 – had already risen to 440,000 TachoComb® and TachoSil® patches, and by 2010 production further expanded to approx. 750,000 patches per year. Special intermediate products are now stored in two Kardex Megasys CLR cleanroom systems. Because they are installed in a cleanroom production area, stringent requirements with regard to functional stability and cleanliness are placed on the vertical carousel systems.

**2**

Solution



To be able to guarantee sufficient storage capacities for the intermediate products (dried collagen sponge blocks) also after this significant increase in production, Kardex integrated two Megasys CLR systems into the building. This has not only created additional space in the clean-room production unit but has also substantially improved access to the intermediate products which are stored in aluminium boxes. The vertical carousels are accessible from two adjacent rooms and serve as an airlock between the rooms. They are suspended by their access openings from the fourth and the fifth floor. This way the load strain is absorbed by the concrete pillars.

4

Advantages at a glance

- Cleanroom category C
- The panels used in the cleanroom application comply with the GMP regulations
- The implementation of the entire system from initial planning to design and final handover to the customer including the qualification of the plant according to GMP took around 18 months.

3

Process description

We would be delighted to explain the process description in detail in a personal consultation.

5

Scope of supply

- The two Megasys CLR systems are connected to a ventilation system in compliance with the required cleanroom regulations. To create efficient streams of air, ventilation ducts are fixed at the outer walls, and outlets are mounted at the inner walls of the vertical carousels.
- KARDEX warehouse management software MM 550

