

A Rolling On Interroll success story from Ansorix

FOR AN EFFICIENT, FUTURE-PROOF MATERIAL FLOW: ANSORIX PROVIDES AUTOMATED SMALL-PARTS WAREHOUSE FOR UNIVERSITY HOSPITAL ZURICH

The University Hospital Zurich has opened a new logistics and service center in Schlieren – by far the most modern warehouse in the healthcare sector. The general contractor Ansorix accompanied the project from the start, planning, designing and implementing an automated small-parts warehouse with the appropriate conveyor technology, picking stations and necessary fire doors.

An outstanding modern healthcare facility: The University Hospital Zurich (USZ) provides inpatient treatment to about 41,000 patients each year. In addition, the 44 clinics and institutes belonging to the USZ record over 500,000 outpatient visits per year. The University Hospital offers medically comprehensive, individual care across all disciplines. This renowned institution collaborates with the medical faculty and laboratories of the University of Zurich in its research and teaching. The USZ also works closely with ETH Zurich (Swiss Federal Institute of Technology in Zurich).

In order to best respond to new requirements in the healthcare industry, particularly for treatment-specific supplies, the University Hospital Zurich has opened a new logistics and service centre. This facility will supply the University Hospital with goods and logistics services.

THE CHALLENGE

The project set out the need for an individual, automated small-parts warehouse, characterized by efficient processes and low operating costs. At the same time, a great emphasis was placed on ensuring that, if required, the new warehouse infrastructure could be expanded flexibly and without great expense.

Ansorix, an established general contractor for challenging intralogistics solutions, became involved early on in the planning of the project and supported the USZ in an advisory capacity as early as the development phase.





THE SOLUTION

The search for the ideal solutions for the University Hospital Zurich led to the decision to establish an automated small-parts warehouse (SPW). The storage technology was supplied by Kaufmann Systems AG, a specialist for customized plants and storage systems and, like Ansoxix, an international Rolling On Interroll partner. The storage racks used are free-standing and designed to carry Eurotec trays. The trays are stored lengthwise in double-deep racks.

The stacking/retrieval machine used by Ansoxix, which has a particularly rigid lift mast, is equipped with a telescopic belt for double-deep storage. Thanks to its innovative drive technology and low weight, its performance is highly dynamic. The new warehouse has a capacity of 3024 trays per storage/retrieval machine.

Using zero pressure accumulation roller conveyors, the trays of various sizes are removed from storage and delivered to the four picking stations. These roller conveyors are based on the modular conveyor platform (MCP) with integrated 24 V RollerDrive from Interroll.

In addition to the delivery of product containers from storage, each of the four picking stations also diverts empty and completed trays. Two further conveyors carry empty trays to the picking stations for filling. Each workstation is equipped with a touchscreen, a hand scanner and a printer.



For IT administration, Ansorix is relying on the warehouse management system iCOSS, which uses modern web-based technology such as ASP.NET and SQL Server. The system is operated via web browser.

iCOSS offers a comprehensive set of functions. These range from the management of incoming goods to order picking through to outgoing goods, with maximum operational reliability as a top priority.

➤ SUMMARY

Thanks to the solution provided by Ansorix, the University Hospital Zurich has a fully automated small-parts warehouse that supplies the University Hospital Zurich with materials and logistics services. The new solution guarantees cost-efficient and flexible operation. It meets the highest quality standards and can be easily expanded, where necessary.

ABOUT ANSORIX

Ansorix, headquartered in Fahrwangen, Switzerland, is a general contractor supplying complete solutions in the field of intralogistics and automation. From solid consultancy and evaluation of new logistics concepts, through construction, production and commissioning of the plants, to full documentation, training, maintenance and customer support, Ansorix is a one-stop shop. Countless customers from various sectors have been relying on complete, customized solutions from Ansorix since 1963.

ANSORIX

is official partner of the Rolling On Interroll program of the global Interroll Group.



➤ In order to implement this complex project, Ansorix was able, on the one hand, to count on its many years of experience as a general contractor for material handling. On the other hand, Ansorix worked with strong, reliable partners, characterized by high product quality and delivery reliability: With Kaufmann Systems, just like Ansorix, also official Rolling On Interroll partner of the Interroll Group, for the automated small-parts warehouse, and with Interroll as the supplier for the materials handling technology, based on its modular conveyor platform (MCP).