

Fully automated high bay warehouse, Lyreco Switzerland AG, Dintikon. Faster throughput, fit for the future.

JUNGHEINRICH

Project:

Lyreco Switzerland AG, Dintikon, Switzerland

Industry:

Wholesale

Task:

Construction of a fully automated pallet high bay warehouse with stacker cranes, conveyor technology and connection to the Jungheinrich WMS

Project duration:

02.2014 – 08.2015

Services:

- Fully automated, three-aisle pallet high bay warehouse in silo construction
- 2 stacker cranes
- Pallet conveyor technology on 2 floors
- Jungheinrich Warehouse Management System (WMS) and system control
- Basis software support service
- Hardware service with interval contract for pallet and small parts conveyor technology
- Spare parts package for pallet and small parts stacker cranes

Most important results:

- Optimised warehousing of various products
- Higher throughput speed
- Reliable control of warehouse processes
- Ready for expansion

Global office and workstation solutions

Lyreco has a product range of more than 9,500 articles and a further 5,000 specific customer articles. This is complemented by a diverse range of services. Swiss customers are served from its site in Dintikon. Be it a traditional office item, a customisable promotional item, personal protective equipment, drinks, snacks or toiletries, Lyreco offers a one-stop solution for the workplace from a single source.

Ordered today, delivered tomorrow

The extensive product range has to be delivered to the end user in the right quantity and by the right time. Lyreco places a high value on service and strives to adapt to individual customer requirements. To constantly maintain these high levels of service, Lyreco decided to erect a new, fully automated high bay warehouse. The aim of this project was to supply its large customer group according to the principle: "What customers order today, they get delivered the next day."

Trust in partners

Lyreco Switzerland AG decided to realise this project together with Jungheinrich. The main factor in its decision was Jungheinrich's expertise in consulting, planning and realising innovative, high performance and cost-effective logistics systems.

The requirement

Higher throughput for diverse items

Any company that sells a variety of products, such as office items, drinks, snacks, protective equipment or promotional items, has special requirements in terms of the warehousing and sale of these products. The wider the product range, the higher the requirements for efficient warehousing and order picking, not to mention shipping. The products ordered have to be received by the customer or consumer in industry and retail within 24 hours, whenever possible. It's a complex task for a high-performance logistics centre.

The solution

Designed for growth

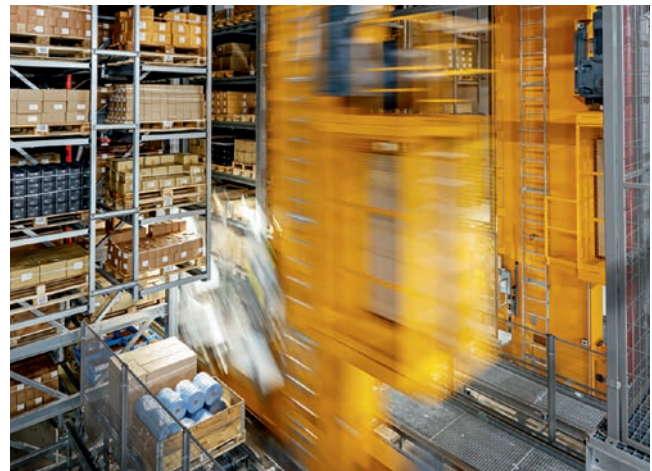
One of the most important components of the new warehouse constructed by Jungheinrich is a racking system in silo construction with up to 13,200 pallet positions, pallet conveyor technology across two floors, two stacker cranes with system control and the Warehouse Management System (WMS). The system control and logistics software that forms the interface to the WMS, rack operating system and conveyor technology components were realised by Jungheinrich. The high bay warehouse is connected with the "Lyreco Service Cube" automated container warehouse, in which 116 shuttles collate customer orders. 50,000 standardised setup containers, each holding one product, are housed in a compact space. Thanks to its new high bay warehouse, Lyreco can further expand its core range of products and services in the future, since the high bay warehouse was developed to allow later expansion through the commissioning

of a third aisle during operation and without structural changes, increasing the total pallet positions from 11,000 to 13,200. Jungheinrich's services also include extensive training and intensive support in the first few weeks after commissioning the system.

The statement

Closer to the customer

The decision by Lyreco Switzerland AG to choose Jungheinrich as its partner for the automation project has paid off. Thanks to a fully automated high bay warehouse, customer service has been significantly improved – documented by quicker response times and almost 100 % delivery capabilities within 24 hours. The excellent cooperation during the project planning and realisation phase left a lasting impression.



Fully automated, three-aisle pallet high-bay warehouse, Lyreco Switzerland AG, Dintikon, Switzerland.

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