

FUTURE-PROOF

warehouse with the greatest possible flexibility



Case Study
Jacoby Pharmazeutika
Hallein, Austria

Due to the completely re-configured warehouse logistics, Jacoby Pharmazeutika can take full advantage of the increased efficiency in its order processing. Concept, picking and conveying system by SSI SCHÄFER provide an efficient combination ranging from fully automatic picking to technically supported manual picking, and secure capacity reserves at the company's headquarters. The complex requirements were accurately met thanks to proactive planning and great flexibility in fine control.



▲ Goods-in area ▼ Order initiation



▲▼ Picking automat with 1,776 channels

▼ Paperless picking with RF-terminals



PROJECT PROFILE

The capacities of Jacoby Pharmazeutika in Hallein were stretched to the limits concerning possible throughput; the warehouse was operated on two levels plus a rented hall; the two daily peaks with 44% of the order volume posed a special challenge.

Hence the project had five major targets:

- ▶ **Optimization of the goods flow on one level**
- ▶ **Automation for fast-moving articles**
- ▶ **Relief at peak times**
- ▶ **Covering processes in wholesale, exclusive distribution/depot and own production**
- ▶ **Reserving capacity for future growth**

JACOBY PHARMAZEUTIKA

Jacoby Pharmazeutika AG is a family business situated in Hallein/Salzburg. Jacoby is active in wholesale, exclusive distribution/depot (OTC), production of agents and sales of veterinary products. As a wholesaler, Jacoby regularly supplies 400 pharmacies in Western Austria; as an exclusive distributor (Eubos, Similasan, Apotee etc.), the company has more than 1,200 customers throughout Austria. Further Jacoby locations are in Hohenems/Vorarlberg and Klagenfurt/Carinthia, Jacoby is also active in Hungary and Slovenia. With 480 employees, Jacoby achieves an annual turnover of € 200 million.



SSI SCHÄFER SOLUTIONS

AUTOMAT WITH 1,776 CHANNELS AND 1,200 TOTES/HOUR

Wide ranging automation for fast moving articles and maximum relief during peak times can be achieved with the SSI SCHÄFER picking automat. Modular structure and the possibility to precisely customize the efficiency provide for tailor-made automat configurations. Due to the double function of storing and picking, replenishment of the picking automat is flexible and can take place outside peak times.

Furthermore the Jacoby system features

- ▶ About 1 km roller and belt conveying system, largely segment-programmable accumulation roller conveying system
- ▶ High-performance conveyor intersection solution
- ▶ Two invoice insertion machines, redundant design
- ▶ Tote destacker
- ▶ Fully automatic order initiation, also to be operated manually
- ▶ Paperless picking with hands-free RF-terminals

EFFICIENCY AND QUALITY WITH HANDS-FREE RF-TERMINAL SYSTEM

The manual picking area at Jacoby was converted to picking with arm-held RF-terminals. These provide considerable gains in efficiency, e.g. because the document creation at the I-point can be omitted. A further quality level is added as supplementary information such as batch number can be gathered for each article.

WAREHOUSE CONTROL COMPUTER FOR SHORT LEAD TIMES

The central control instrument of new logistics is the warehouse control computer. It identifies totes at the I-point and allocates them to an order. This facilitates intelligent and flexible automation, as the routes of the order totes can be optimized according to several parameters to reduce lead times. This also entails that totes are diverted if the next station of the calculated route is occupied. In the meantime these totes gather articles from other stations and return automatically to the station skipped before.

EXTREMELY FUTURE PROOF

The new SSI SCHÄFER warehouse logistics provides Jacoby with plenty of space for future development steps as the system is designed for highest possible scalability in the areas humanbeing, organization and technology.

At the same time SSI SCHÄFER is the only conveying system provider worldwide with approved CE and UL certifications for all components. This ensures highest security and optimum ergonomics – as well as maximum system acceptance by the employees.

CUSTOMER STATEMENT

„We were able to redesign the company entirely. Preliminary talks, proactive planning input and high flexibility for customizing – we felt very comfortable with this reliable partner in every project phase.“

Dr. Peter Unterkofler,
LL.M. (LSE), member of
the executive board at
Jacoby Pharmazeutika AG

Facts and Figures

System key figures

Useable surface building in m ²	8,590
Construction during continuing operation	1 year
Totes/day (average)	2,500
Totes/hour max.	1,200
lines/day	16,000
Packages / day	65,000
Products (SKU's)	35,000
Warehouse lead time in minutes	12 – 15

Scope of delivery and services

CONVEYING SYSTEM

Total running meters	930 rm
Conveyor speed	0.6 m/sec
Shipping lanes for route sortation	14
Segmented switch-on demand, integrated into the conveying system	

PICKING SYSTEMS

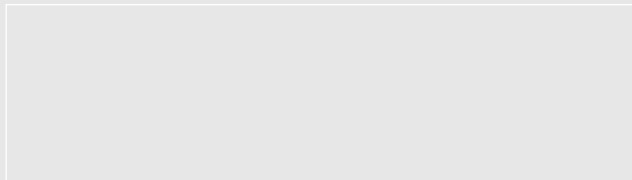
Automatic picking	CFC-Pemat	16 modules
		1,776 channels
Manual picking	Paperless with RF-scanner (WLAN)	16

SYSTEM COMPONENTS

Buffer zone	750 totes accumulation capacity
Destacking	Yes
Automatic document insertion machine	Yes
Dynamic flow racks	108 rm / 6,400 channels
Static racks	3,200 rm
Special storage for acids, bases, chemicals ...	4

SOFTWARE SOLUTION

WCS	Computer hardware	IBM xSeries
	Operating system	Linux
	Database	Oracle
	Software	Convey



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