

ROSE-FLAVOURED DELIVERY OF PHARMACEUTICALS



Case Study
Zur Rose Pharma, Halle (D)



Order processing



Conveying system with note insertion



PPS picking

Project Goals

- ▶ Establishment of a new distribution centre primarily for end users
- ▶ Short project processing time and quick implementation
- ▶ Optimum scalability of the entire system
- ▶ Reduced personnel costs and warehousing costs
- ▶ Maximum delivery quality
- ▶ 100% check for drug compatibility
- ▶ Extremely short throughput times
- ▶ Optimal interaction between the customer's HOST/WMS and the material flow computer controlling the system

Our Scope of Supply and Services:

- ▶ Planning
- ▶ FT + Conveyors
- ▶ S-Pemat with 350 channels
- ▶ Empty tote conveyor in zero-pressure design
- ▶ Manual picking area
- ▶ PPS – Parallel Picking System
- ▶ Shipping area with 4 plus 1 packing places
- ▶ Material flow computer and control software
 - Double computer system IBM pSeries 615
 - Operating system AIX 5.1
 - Oracle database system
 - Warehouse control software Convey 2005
 - Subordinate station computers: industrial PC PCX
- ▶ Double AV station for automatic order initiation
- ▶ Double note insertion station
- ▶ Totes
- ▶ Glass shelf racks
- ▶ Dynamic flow racks
- ▶ Pallet racks
- ▶ Service and maintenance

High-Tech Picking of Pharmaceutical Products

In only four months SSI Schäfer has completed the implementation of the service centre "Zur Rose Pharma GmbH" in Halle.

The new conveying and picking system has been implemented to allow for an efficient delivery of pharmaceutical products with order transmission via the Internet at a reduced cost. Thanks to the fast moving picking automate (S-Pemat) and the Parallel Picking System (PPS), it is possible to deliver orders directly to the customers' home within only two days.

Furthermore, SSI Schäfer has installed the whole technological equipment for the picking workstations, the area containing products not suitable for automatic picking and refrigerated products, as well as a downstream workstation for bulky items picking and consolidation.



PPS hand-held scanner

Warehouse

Number of articles	approx. 7,000 SKUs
Surface area	3,000 sqm
Loading units	totes

Performance

Throughput	1,200 totes/h
Conveying speed	0.6 m/s

Automatic Picking System

S-Pemat

- 350 channels in inclined position
- 5 modules
- Length of line 53 m incl. PPS
- Lateral and top shutter
- Control via PCX

Semi-Automatic Picking System

PPS (Parallel Picking System)

- 3 stations
- 30 slots in total
- Picking based on RF terminals
- Filling point in common with S-Pemat
- Control via PCX



S-Pemat viewed from the inside



S-Pemat

- ▶ Dynamic Small Parts Conveying
- ▶ Automatic Picking Systems
- ▶ Handling Systems
- ▶ Logistics Software
- ▶ Service and Maintenance