

MAXIMUM CONVEYING AND PICKING TECHNOLOGY FOR SMALLEST UNITS



Case Study
Kwizda, Linz (A)



Project Goals

- ▶ Merging of two existing pharmaceutical warehouses in one newly built pharmaceutical centre
- ▶ Short project processing time and quick implementation
- ▶ Reduced personnel costs
- ▶ Reduced warehousing costs
- ▶ Increased delivery quality
- ▶ Decreased handling times
- ▶ Up to six deliveries a day to pharmacies
- ▶ Optimal interaction between the customer's HOST and the material flow computer controlling the system



Our Scope of Supply and Services:

- ▶ FT + Conveyors
- ▶ CFC automate with 1620 channels
- ▶ Trash conveyor
- ▶ Shipping area with 20 shipping lanes
- ▶ Goods-in area
- ▶ Manual picking area
- ▶ Galenics station
- ▶ 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
- ▶ Two note insertion stations
- ▶ Two destackers
- ▶ Service and maintenance of conveying and picking system
- ▶ Racks
- ▶ Mezzanine construction

Record-Breaking: 45 Minutes Between Order Reception And Delivery to the Customer

On behalf of the traditional Austrian pharmaceutical company Kwizda, SSI SCHÄFER has created a logistics concept for a 6000 sqm warehouse area, introducing new time dimensions in order processing. With the CFC automate as a central part of the system and the highly efficient conveying components, approx. 100,000 units are received and delivered daily.

In the city of Linz, the time span between order reception and delivery to the customer is 45 minutes. The time span between order reception and shipping is only 15 minutes.

Goods registration by RF scanners while transferring articles from original cartons to storage totes, tote identification and smooth transport, reallocation and registered storage and retrieval become possible thanks to a variety of interacting conveying components.



Warehouse

Number of articles	approx. 40,000 permanently in stock
Peripheral articles	approx. 10,000 pieces.
Surface area	5,250 sqm
Loading units	totes

Performance

Throughput	up to 1,800 totes/h
Conveying speed	0.6 – 0.9 m/s

Automatic Picking System

CFC Pemat	
- 1,620 channels	
- 15 modules	
- length of line 47 m	
- lateral and top shutter	
- control via PCX	

Special Stations

Invoice insertion
Check station
Tote turn
Destacking





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