SSI SCHÄFER

EUROPE'S LARGEST MANUFACTURER OF LAMINATE FLOOR BOARDS

Case Study
Kronotex, Heiligengrabe

Aligning station

Pallet lift

Project objective

- ▶ **Savings on warehousing costs and personnel**
- ▶ **Better chances to react during peak periods**
- ▶ **Increase in delivery quality**
- ▶ **Reduction of transport costs**
- ▶ **Centralization of distribution and delivery**
- ▶ **High availability of items**
- ▶ **Automation of the internal flow of goods**
- ▶ **Error reduction**
- ▶ **Shorter delivery times**

Our scope of supply and services:

- ▶ **Logistics concept preparation**
- ▶ **Implementation planning**
- ▶ **Turnkey preparation (Roof / wall / HVAC)**
- ▶ **Pallet conveyor system**
- ▶ **Storage and retrieval machines**
- ▶ **High bay warehouse**
- ▶ **Visualization**
- ▶ **Warehouse management and control systems**

High bay warehouse (HBW)

L x W x H	72 x 36 x 30 m
Loading aids	Euro, Westco, container pallets
Storage locations	19,340
Weight	max. of 1,200 kg Euro pallet
Type of storage	single-deep / double-deep

Storage and retrieval machine (SRM)

Quantity SRM / aisles	5 / 5
Load-carrying device	Telescopic fork
Traveling speed	130 m/min.
Lifting speed	30 m/min.
Throughput	33 SC/h; 24.4 DC/h

Automated material flows reduce reaction times and increase delivery quality

SSI Schäfer, in its capacity as general contractor, installed and equipped a new high bay warehouse for Europe's largest manufacturer of laminate floor boards.
In addition to the coordination of the structural work, the order included steel structure, pallet conveyor system, and control system as well as the installation and integration of five storage and retrieval machines.
With the warehouse management software "ant", SSI Schäfer also provided the IT basis for continuous transparency and the smooth control and visualization of all operative processes between production and retrieval areas.
Result of the new high bay warehouse is a significant reduction of reaction times and an increase in the delivery quality of Kronotex – competitive advantages thanks to storage automation.

Retrieval

Pallet conveyor system

Components	Roller conveyor, chain conveyor Infeed/outfeed station Vertical conveyor Turntable with integrated roller conveyor 90° Pallet stacker/de-stacker Pallet stack aligning station

Warehouse management system

Computer hardware	ML 370
Operating system	Windows 2003
Database system	Oracle 9.2
WMS software	ant
Functionalities	Warehouse management Goods receiving / shipping Order picking Material flow control Visualization SAP connection

Conveyor system

SRM retrieval

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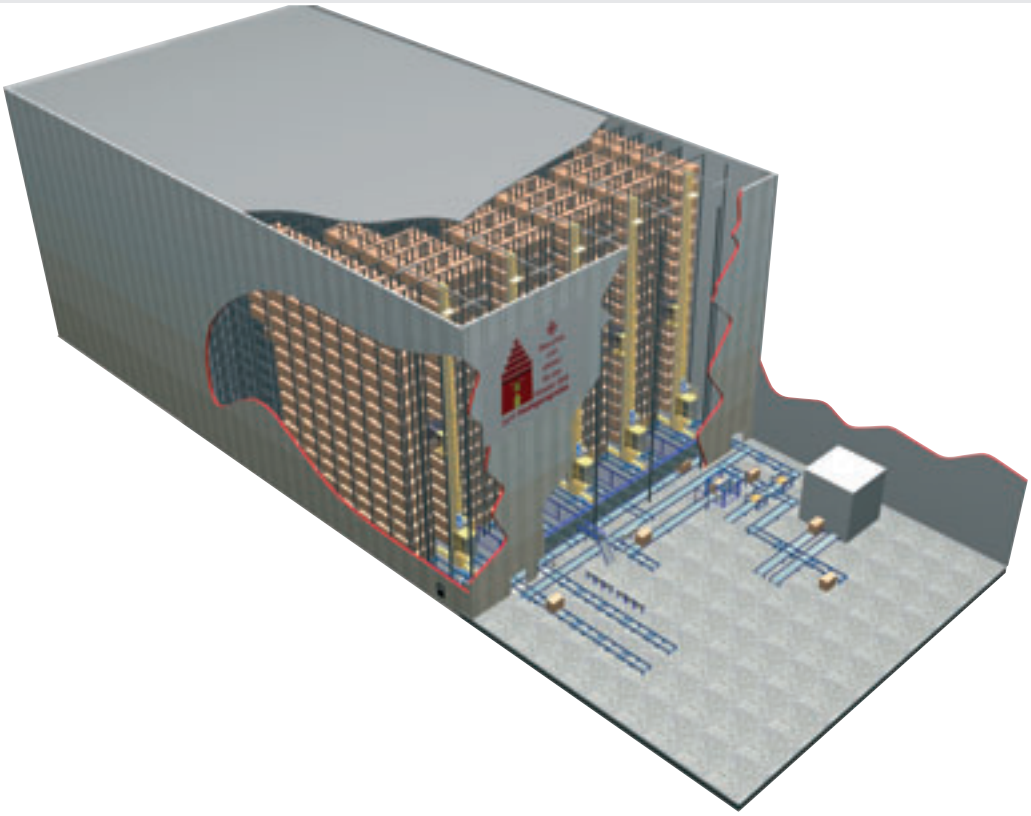

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- General contracting
- Planning and consulting
- Warehouse management system
- Control systems
- Steel structure / racking systems
- Storage and retrieval machines
- Conveyor systems
- Service and maintenance

SSI Schäfer Noell GmbH

i_Park Klingholz 18/19
D-97232 Giebelstadt

Phone: +49/93 34/979-0
Fax: +49/93 34/979-100

www.ssi-schaefer-noell.com
info@ssi-schaefer-noell.com