



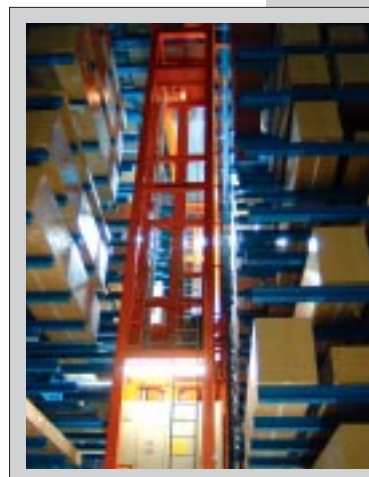
Individual material flow and storage systems

We also serve following industries:

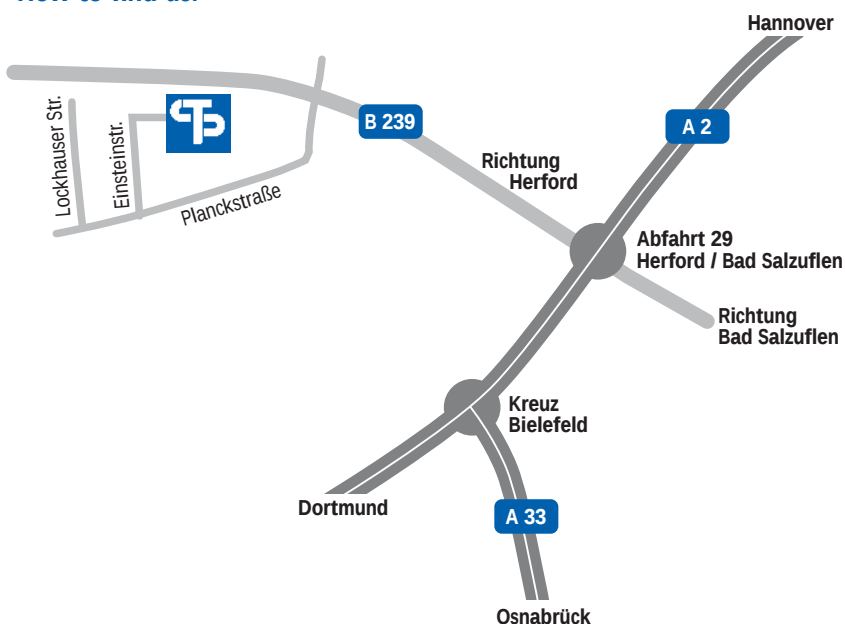
- Wood and particleboard industry
- Furniture industry
- Timber trade
- Rubber industry
- Natural stone industry
- Glass industry
- Building board industry
- Metal & plastic industry

Our products:

- Material handling engineering
- High bay storage
- Area storage
- Feeding and stacking
- Saws
- Squared timber automat & packing lines
- Edge cleaning machines
- Stack turnovers



How to find us:



SYSTRAPLAN 
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Area Storage



SYSTRAPLAN 
Individuelle Materialfluß- und Lagertechnik

Know-how makes goods move

Area storage - systems with single board and stack transportation

Systraplan develops a new area storage system, which is able to transport single boards as well as complete stacks with the same crane. Ideal for small to medium amounts of flat materials, which must be readily available directly at the machine. High versatility in size and stack height, ensuring high flexibility.

No time is lost in the production line

Unmanned operation of the storage - system lowers high current labour costs. But even more important is the fast access of the area storage system. Thus no time is lost in the production line. A continuous flow is guaranteed

Fast access, automatic operation

A fast access is guaranteed because:

- the system knows where what was stored at any time,
- the system chooses the shortest way to move the material in and out,
- while the system operates you can already enter or transfer the next task,
- pre - picking during down time possible.



Direct connection to the PPS - system

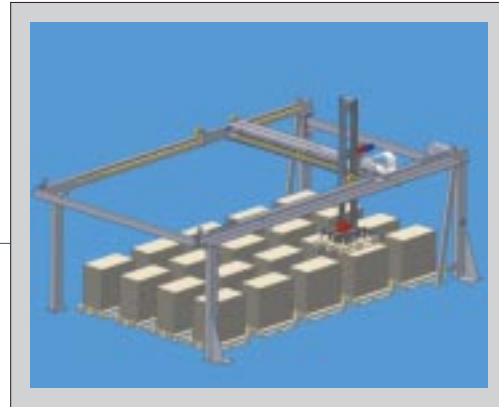
The electronic data processing control ensures fastest feeding and discharging, which facilitates a batch-, package- and piece-wise distribution.

All goods movement data are adjusted just in time by a direct linking of the full automatic high bay storage system with the merchandise management system.

Stock-status always available

Hence, the sales team can always revert to an up-dated asset of boards provided by an easy and interference-proof operating mode. Systraplan's storage and control program can be operated under the Microsoft operating system Windows.

This guarantees that today's and tomorrow's requirements will be met also in future in respect of system design, flexibility and links to standard systems and standard software.



Damage-free handling of material

One of the most important advantages is the damage-free handling of the derived products. By doing so the automatic storage system operates continuously at a comparatively high speed. Suitable for the supply of the production line as intermediate production buffer or pure storing system.

The control system automatically chooses the places

After picking the material the gantry moves to a determined place and places the material into the storage system. The storage and control system are automatically choosing the places.

State of the art graphical screen interface

The application has a state of the art graphical screen interface. The user screens are clear, application orientated and easy to use. All information are stored in a standard database.



Applications for the most different materials and industries

The load suspension device are prepared and constructed for the handling of boards made of most different materials and dimensions.

- Vacuum or magnets,
 - pneumatically or motor-driven gripping- or clamping systems,
 - picking devices for tires
- can be adapted according to the requirements of the materials to be stored.

Board storage with direct saw connection

The boards are directly fed to the saw. Because of the high availability of board material the saw is continuously working and achieves a much higher output.



Comprehensive solutions for tire handling and storage systems

Finished tires require an adequate storage. Systraplan has developed a fully automatic solution for sorting, intermediate storing and storing tires. The picking devices are also qualified for individual production processes between tire production and vulcanisation. This also applies for palletizing and tire picking in the distribution centre. Specially designed picking devices, which are running on gantries, handle the tires most carefully and safe. The design of the picking devices is always custom orientated. The tires are picked by squeezing them from the inner bead.



State of the art technology and solid design ensure a lasting operation

The system is a box-section construction with a bridge that traverses on Vulkollan®-tied wheels on the gantry. The power transmission is a lubrication-free rack and pinion design that possesses a high smoothness of running and that constitutes the predetermined break point. A crane trolley that is integrated into the bridge moves along the bridge diagonally to the running direction. Also integrated into the crane trolley is the lifting system that moves on linear- sets, actuated by toothed belts.

Special telescopic systems stabilize the lifting system in X- and Y-direction. Winding pulleys and toothed belts are realizing the lifts. Each lift is adjusted to the demands of the object to be lifted. The suction frame is also equipped with (mechanic and pneumatic) control units for the use of the stack gear as well as the carrying device that is operating from above.



The frame construction is lifted through the suction frame. The fingers to hold the pallets are centrally turnable positioned. A roller conveyor connects Systraplan's system with following machines. As a competitive and flexible company we are swiftly responding to specific customer demands.

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