

Lukki™

Automatic raw board storage system

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DIEFFENBACHER

Flexibility for intermediate storage

- Efficient panel handling requires flexible intermediate storage system through which the panels flow smoothly without disturbing the production.
- The master panel size can be even 9'-10' x 24', which is almost impossible to handle with conventional handling systems without causing damage to the panels. Lukki is not limited by master panel sizes – it can handle all master sizes safe and smoothly.
- The Lukki helps optimize production management and panel handling, and thus fill customer orders faster.

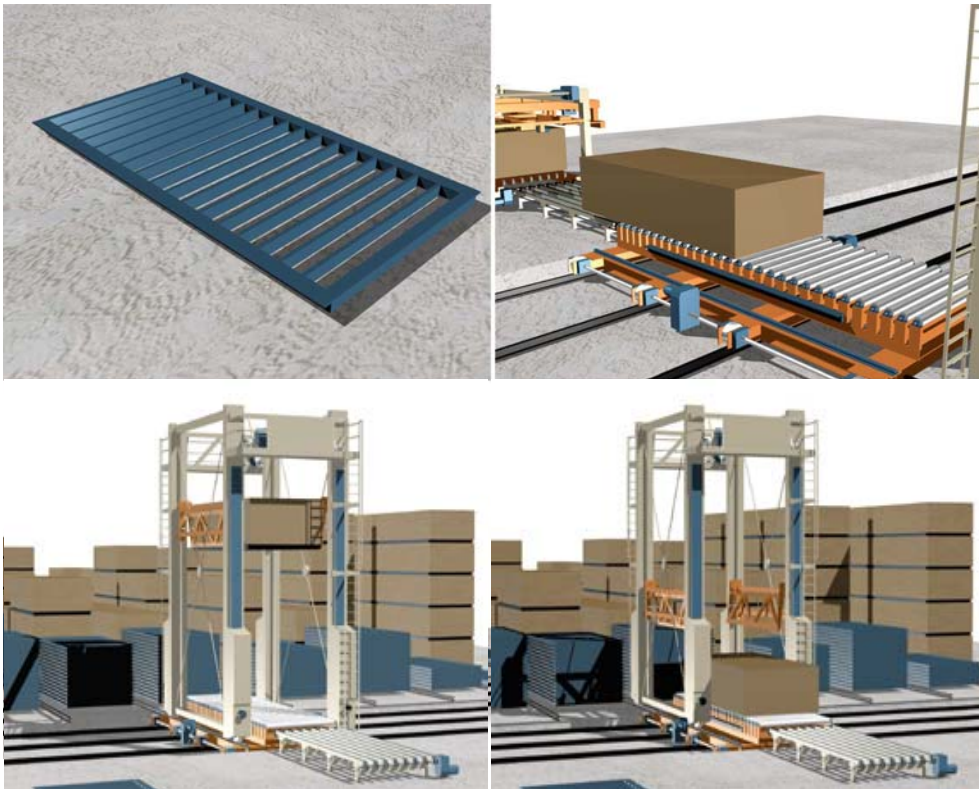


Benefits

- Fully automatic
- Efficient flow of materials
- Efficient use of storage space
- Rapid response to customer orders
- Contributes to profitable panel production
- Real-time stack information

High storage efficiency

- The use of steel pallets ensures high storage efficiency. They are placed under each stack on the transfer carriage, so they are kept only in the storage area.
- Even thin panels can be easily handled on steel pallets and without production losses.



The Lukki™ system consists of steel pallets that are placed under stacks, auxiliary wagon and Lukki™ wagon

High storage efficiency

- The integrated control system ensures a smooth and customer order driven production. The material flow can be followed in real time.
- The LCS control system stores all stack data: production time, dimensions, properties, production code, etc.



Operating principle

- Stacks are transferred onto auxiliary wagon with a roller conveyor.
- The Lukki wagon moves on the auxiliary wagon and picks up the stack for placing it to specified space in the storage area.
- The stack is carried over the stored stacks, which gives extreme flexibility.
- The storage height is typically 3-5 stacks on top of each other, depending on the building height.
- Number and length of rows are adjusted according to required storage volume and available space.
- The system requires only simple foundations with embedded rails.



Lukki™ wagon



Auxiliary wagon