



# PALLET TRANSPORT SYSTEM



- Custom built
- Reliable
- Less maintenance
- Less wear
- Less noise

## OBJECTIVE

1985 - De Boer Machines developed a new concept for transporting Drying Boards loaded with dried bricks, this is the very popular "Walking Beam" system.

Characteristic features of this transport system are:

- Bricks do not move when transported, this is due to very positive movements of lifting, driving and lowering.
- The drying boards are only by means of lifting, driving and lowering movement transported in steps.
- The wear on the drying boards is reduced to a minimum.
- The transport noise is reduced to an acceptable level.

## OPERATION

The dried brick elevator places the drying boards with the dried bricks on the walking beam.

Correcting devices do ensure the correct position if not properly positioned.

Via the "walking beam" the drying boards, in groups, are transported to the separator, the brick discharge unit and the staired elevator with stepped shelves.

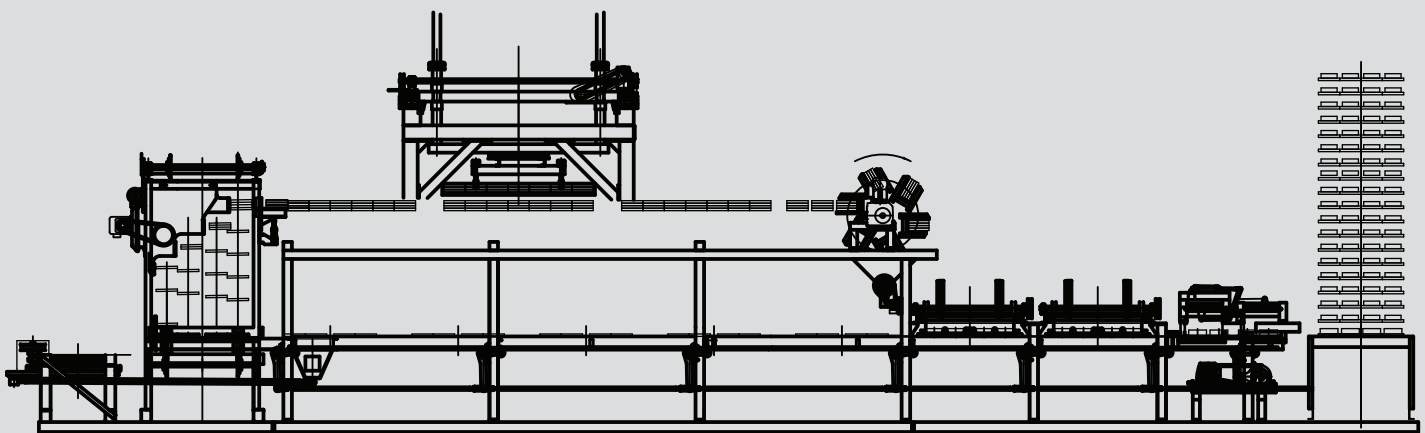
During the return stroke of the walking beam, the following occurs:

- The separator positions the boards at the correct distance for the brick discharge unit.
- The brick discharge unit releases the bricks from the drying boards and supplies them to the setting machine.
- The elevator lifts and stacks the drying boards.

Also in the elevator, it may be necessary to correct the pallets via correcting devices.

Via a second walking beam and or chain conveyors the collected pallet stacks are transported to the pallet turner. The pallet turner places the pallets upside down on the pallet return conveyor which takes care of the transport of the pallets back to the press.

If a pallet store is needed, it can be incorporated directly. This is because all the pallet stacks are formed in such a way that they can be removed by a gripper. This gripper can also bring back the pallets in the system. This is to be sure that the production goes on while there is a stop on the pallet feed or on the brick discharge.



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