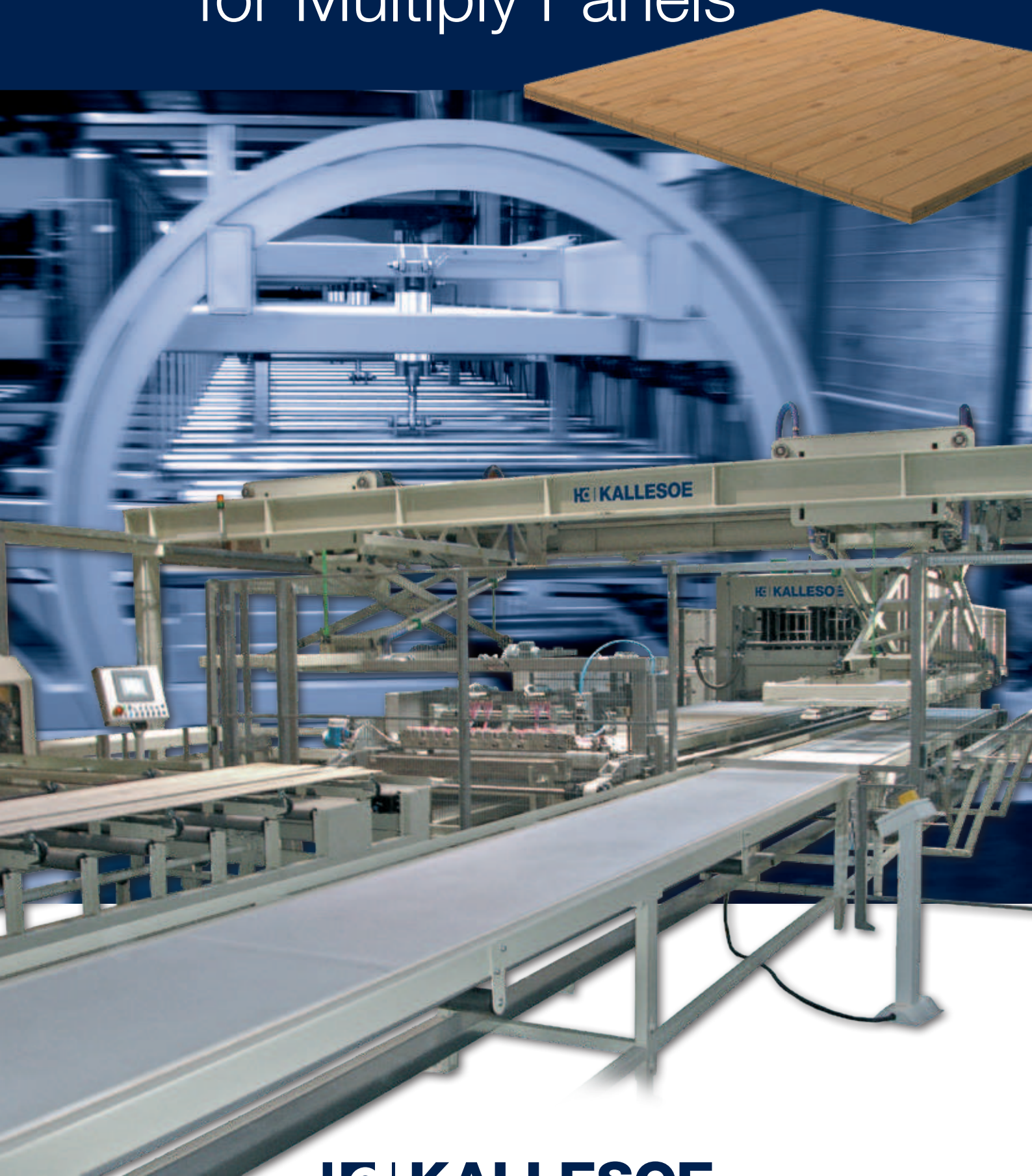


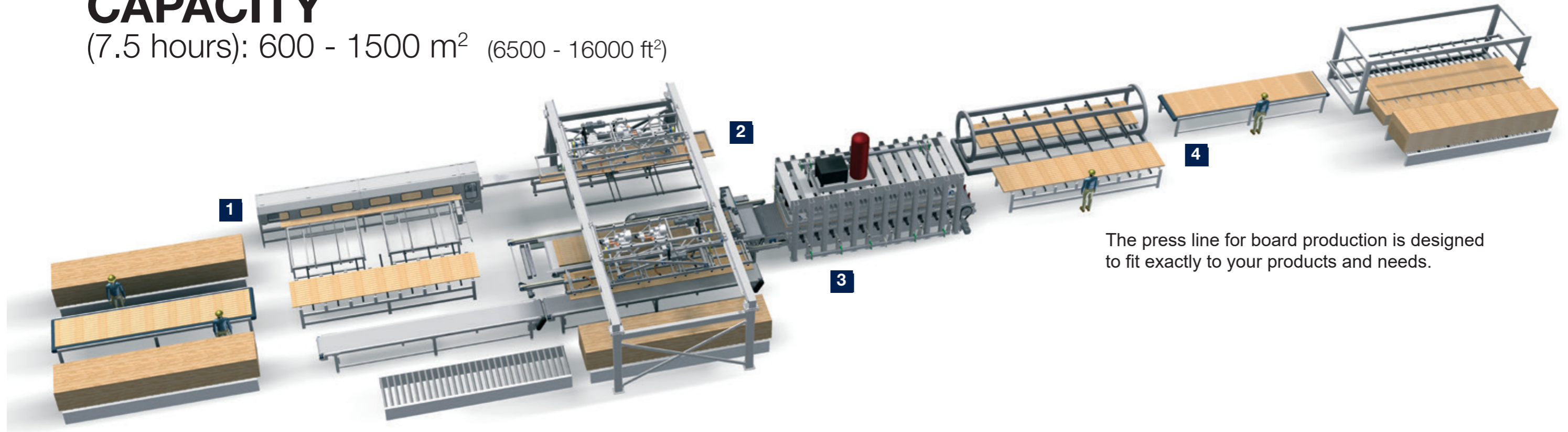
Multiply LV Press Line for Multiply Panels



KALLESOE

CAPACITY

(7.5 hours): 600 - 1500 m² (6500 - 16000 ft²)



The press line for board production is designed to fit exactly to your products and needs.

MULTIPLY LV PRESS LINE

The Multiply LV press line from Kallesoe Machinery can produce single-layer, 3-layer, and multiply solid wood panels.

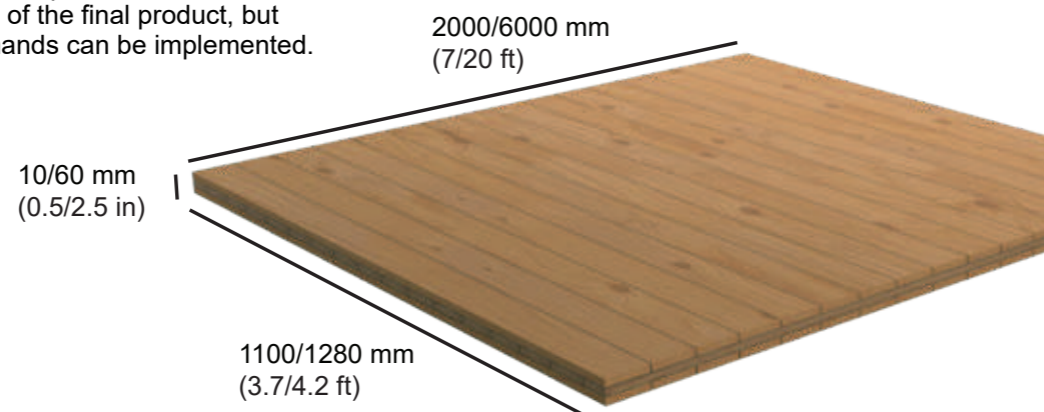
The line is characterized by its high speed and by the fully automatic glue application and pressing cycle, reducing the number of operators necessary.

The line includes an infeed system for lengthwise and crosswise lamellas, a lay-up system with a vacuum gantry, a (double) glue system, and a hot-oil press. The system is completed with an optimization (repair) area with a panel turner and an automatic stacker unit.

The line can achieve higher capacity by replacing the hot-oil press with a high-frequency (radio-frequency) press.

SPECIFICATION

The illustration shows the possible minimum and maximum dimensions of the final product, but special customer demands can be implemented.



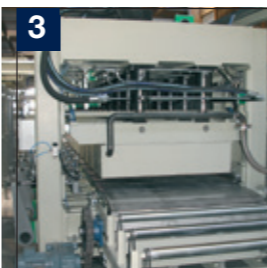
On this system, the lay-up of lengthwise as well as transverse lamellas takes place manually as a starting point, but just like the rest of the production line it can be automated.

The automatic process ensures that the lamellas are laid up in the desired number of layers before being led into the press. The lengthwise lamellas are edge glued before being lifted onto the feeding table in front of the press by means of a vacuum gantry. A glue unit ("curtain gluer") on this feeding table applies glue between each lamella layer.



The illustrated production line is prepared for the handling of pre-glued transverse lamellas which are fed into the vacuum gantry automatically, resulting in operators made available for other purposes.

Using a hot oil press, working temperatures of 150° C can be achieved in order to accelerate the curing of the boards up to 60 mm in thickness.



The heat is provided by an external hot-oil system that is connected to the press by means of a stand-alone heating device with heat exchangers and circulation pumps. The oil circulates through maze pathways in the press plates, ensuring a uniform heat distribution in the plates.

In the press, a steel belt transports the wood forward. The steel belt is highly resistant to high temperatures and is ideal for all types of adhesives.



When the panels have cured in the press, they are led onto a repair station that turns the panels so that repair works can be made easily and smoothly.

The panels are led to the board stacker type KA5 automatically. The KA5 stacks the panels by means of steel arms lifting the wood onto a pallet. The wood is aligned before being stacked.

A SOLUTION FROM KALLESOE MACHINERY GUARANTEES:

- Sturdy and reliable products
- Easy and logical operation
- Flexible solutions
- High capacity and low energy consumption
- Increased production

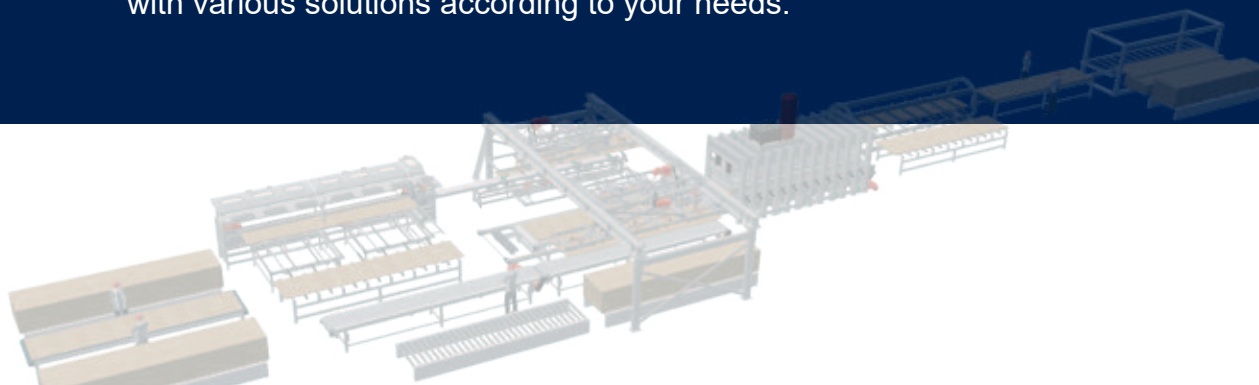
TECHNICAL INFORMATION

Capacity per shift (7,5 hours):

600 m² - 1500 m²
(6500 - 16000 ft²)

ACCESSORY EQUIPMENT

The press line can be adapted and extended with various solutions according to your needs.



IN FRONT OF THE PRESS

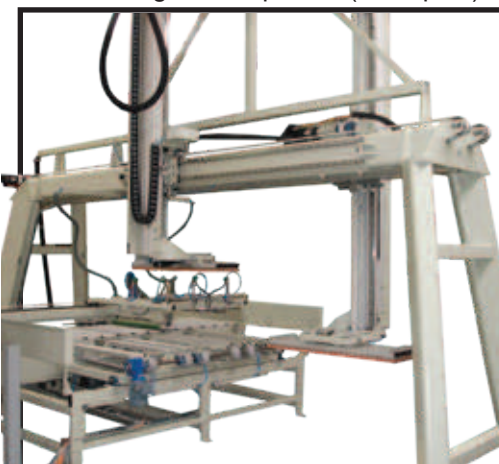
the following can be placed (examples):



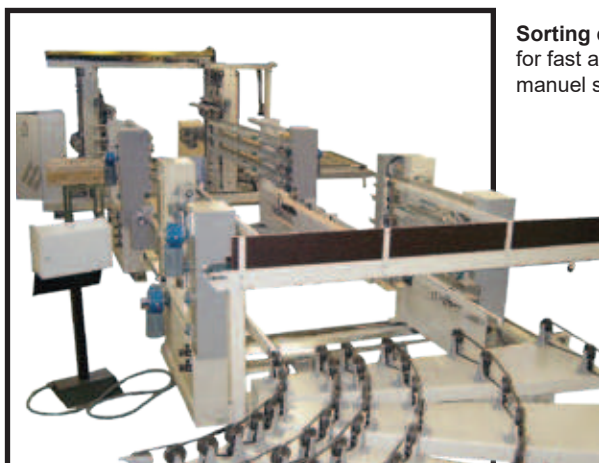
Work piece destacker
for automatic destacking
from pallets

BEHIND THE PRESS

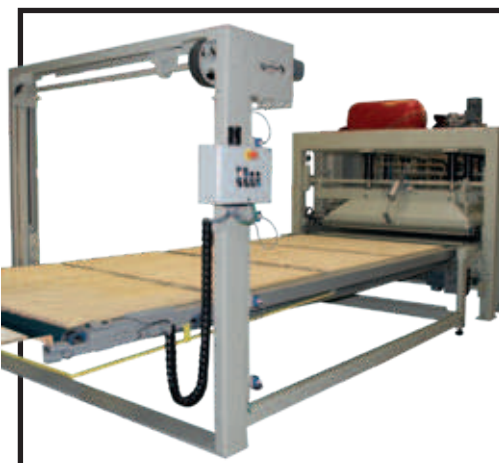
the following can be placed (examples):



Vacuum stacker
for quick and precise
placing and stacking



Sorting equipment KS2
for fast and efficient
manuel sorting



Board stacker
for automatic
stacking of finished
boards

KALLESOE

Kallesoe Machinery A/S, Bredgade 115
DK-6940 Lem, Tel: +45 97 34 15 55
sales@kallesoe-as.dk
www.kallesoemachinery.com