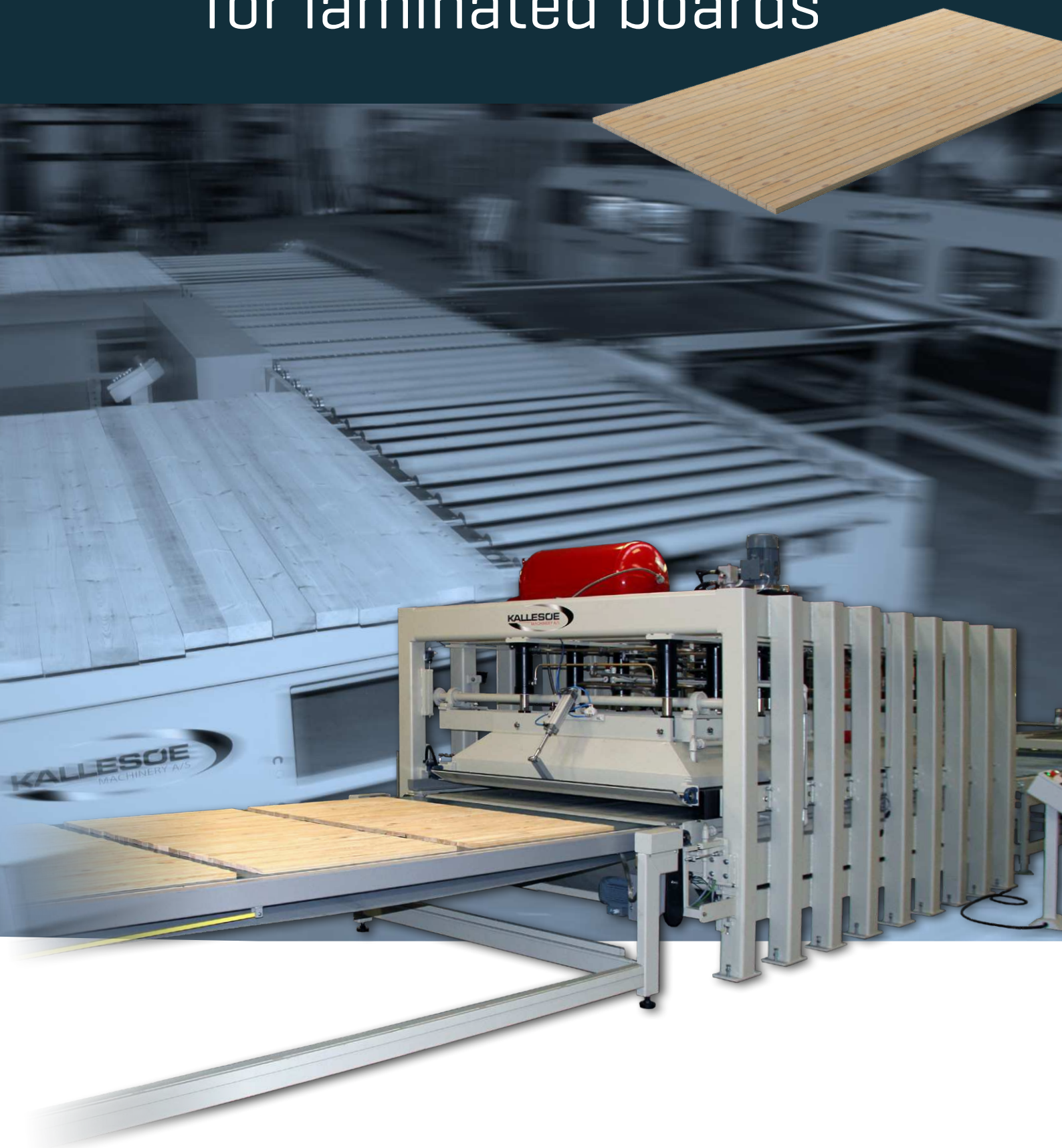


Hot press line for laminated boards

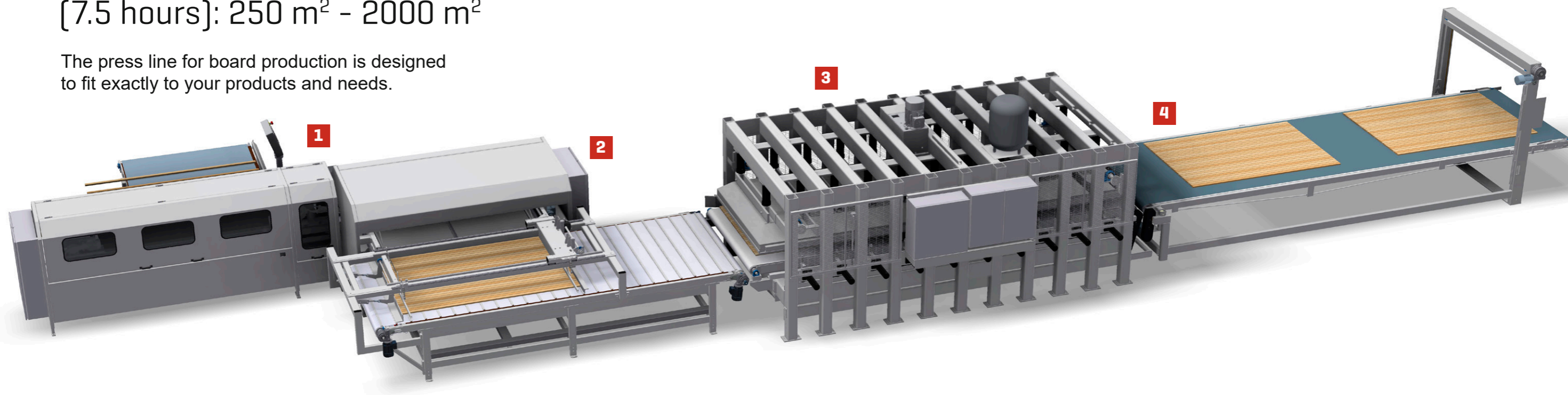


KALLESOE
MACHINERY

CAPACITY

[7.5 hours]: 250 m² - 2000 m²

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



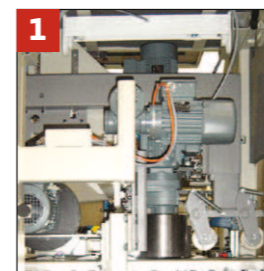
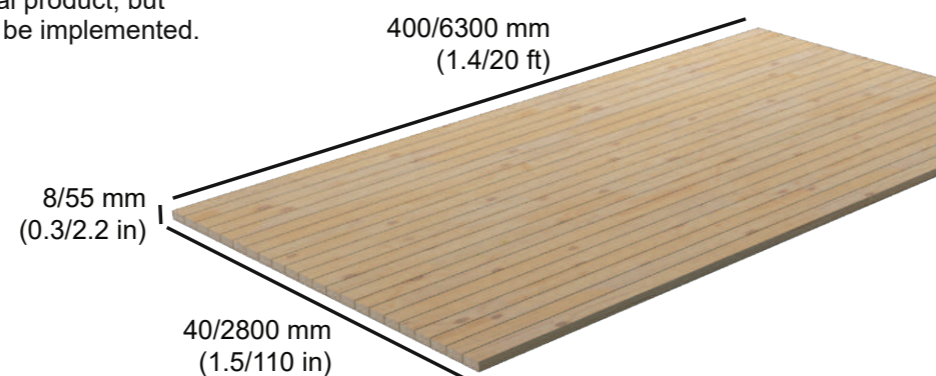
HOT PRESS LINE

The hot-water or hot-oil press line from Kallesoe Machinery is an efficient production plant with high capacity and ideal for making laminated boards such as furniture boards, solid wood panels, cabinet boards and solid timber worktops.

The line will typically as illustrated above include a lay-up/sorting system, a glue applicator with lay-up unit and feeding table, the press and an outlet conveyor.

SPECIFICATION

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



The lamellas are laid-up on the feeding table in front of the glue applicator in the desired order.

The glue is applied to the lamellas on one side (edge) by a vertical glue roller or by a glue nozzle.

Depending on the required capacity the glue system can run through lamellas up to 3 m/sec.



After the glue application the lamellas are led on, cross led and straightened.

A custom-designed lamella stop ensures that the lamellas do not rebound and jam in the process.

This allows the lamellas to be cross led quickly and efficiently, in one gliding movement.

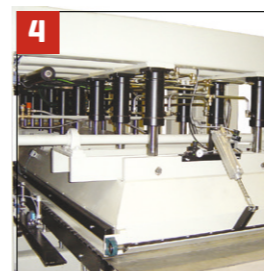
When a complete row of lamellas has been cross led they are straightened and led into the feeding table, i.e. the belt conveyor in front of the press. Only when the feeding table is full the lamellas are led into the press.



The Kallesoe hot press type LV is a very efficient press combining high performance with easy and logical operation. Because of the sturdy and strong built design the press maintains low product tolerances during its entire life time.

The press is normally heated by hot water delivered from an external works supply or obtained by electric heating cartridges built into the plates. The water circulates through press plates with labyrinth design, which gives a uniform distribution of temperature to the product surfaces.

Where higher temperatures are required, the press can optionally be heated by using thermo oil.



The products are conveyed through the press either by a steel lamella belt or a thin, wear resistant Mylar belt® with a very smooth and glue-repellent surface.

The hydraulic pressing system is strongly built and the 2-speed pump unit and controls ensure shortest press cycle.

The laminating pressure is achieved by means of hydraulic cylinders fitted to a common side bar.

The side bar is equipped with exchangeable side pressure plates, which allows pressing of different product widths.

A SOLUTION FROM KALLESOE MACHINERY GUARANTEES:

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

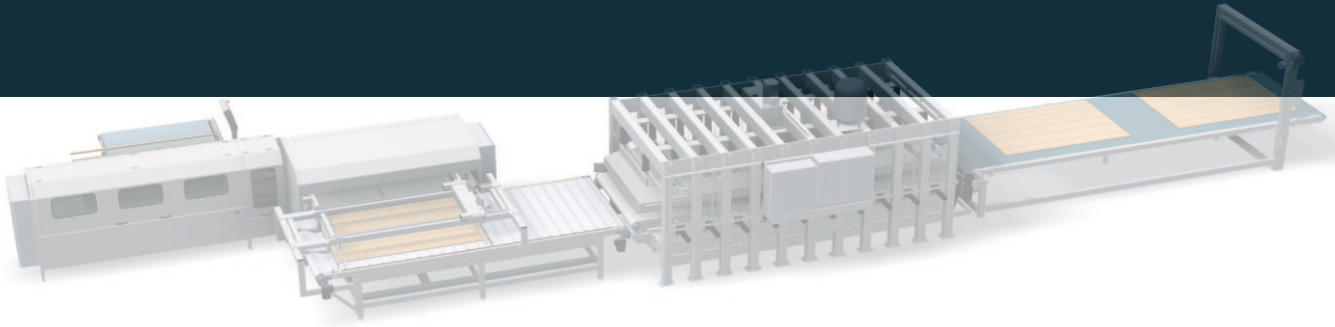
TECHNICAL INFORMATION

Heat rating: 27-72 kW

Capacity per shift (7,5 hours): 250 m² - 2000 m²

ACCESSORY EQUIPMENT

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



IN FRONT OF THE PRESS

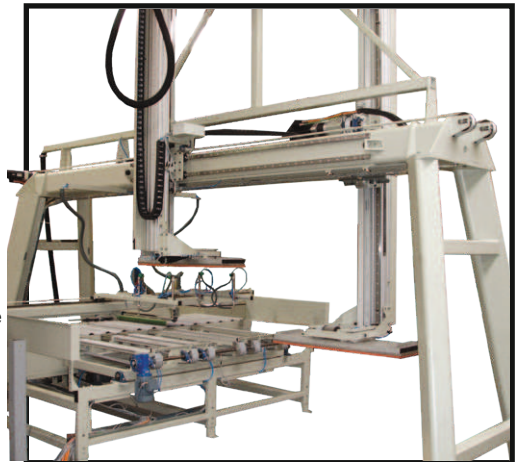
the following can be placed (examples):



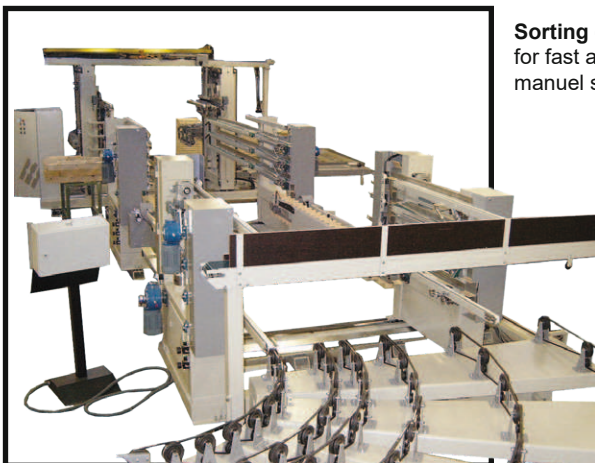
Sorting equipment KS1
double sorting equipment for manual sorting

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 manual sorting



Board stacker
for automatic stacking of finished boards

