

# Hot Press Line for Laminated Boards

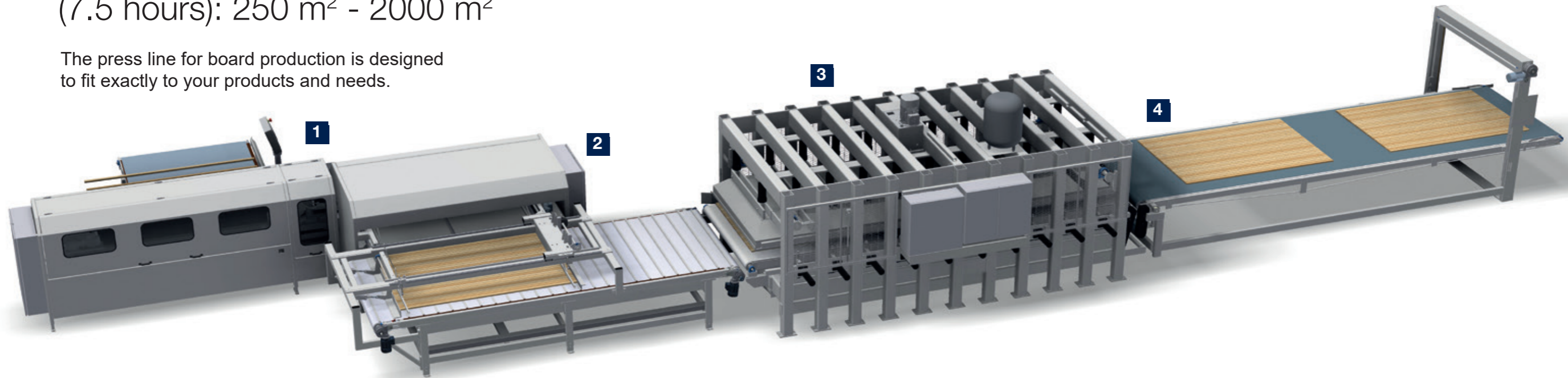


**KALLESOE**

# CAPACITY

(7.5 hours): 250 m<sup>2</sup> - 2000 m<sup>2</sup>

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



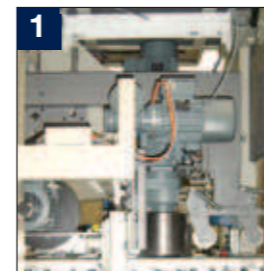
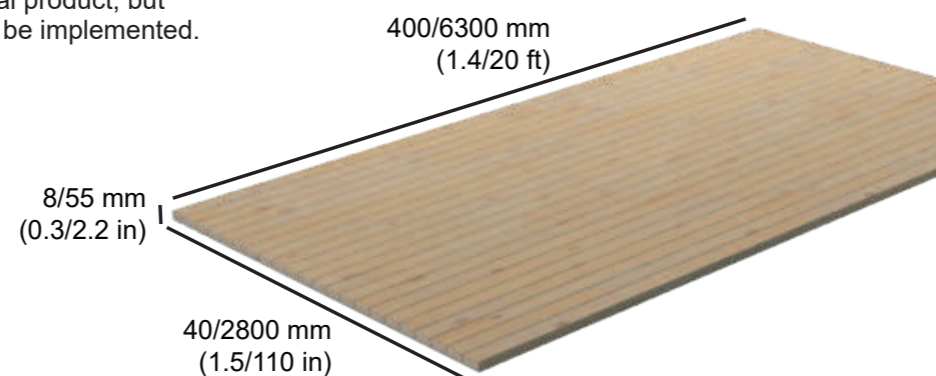
## HOT PRESS LINE

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.

As illustrated above the line will typically include a glue applicator with a 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 placed 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.

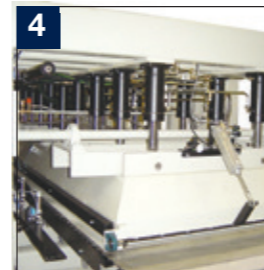
When a complete row of lamellas has been cross led they are straightened and led into the feeding table, i.e. the belt conveyor in front of the press. Only when the feeding table is full the lamellas are led into the press.



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

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

Alternatively, where higher temperatures are required, the press can 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 power unit and controls ensure the shortest press cycle.

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

The sidebar is equipped with exchangeable side pressure plates, which allow the pressing of different product widths.

### A SOLUTION FROM KALLESOE MACHINERY GUARANTEES:

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

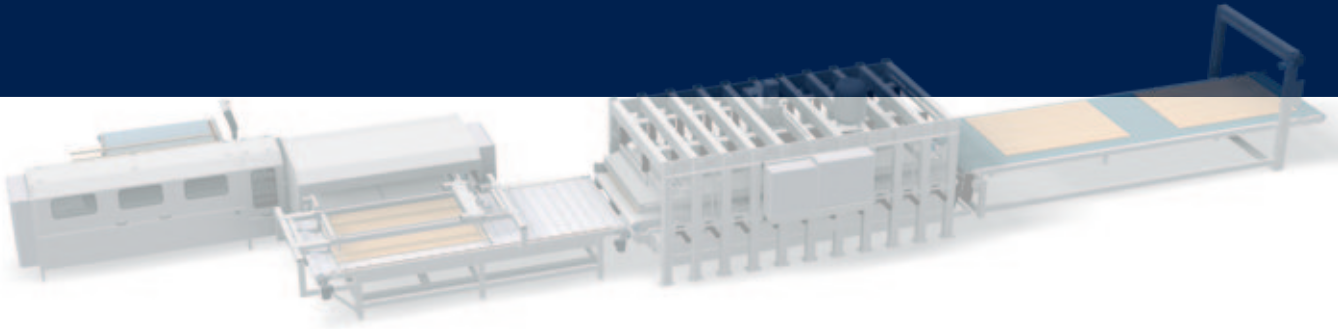
### TECHNICAL INFORMATION

Heat rating: 27-72 kW

Capacity per shift (7,5 hours): 250 m<sup>2</sup> - 2000 m<sup>2</sup>

# 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):

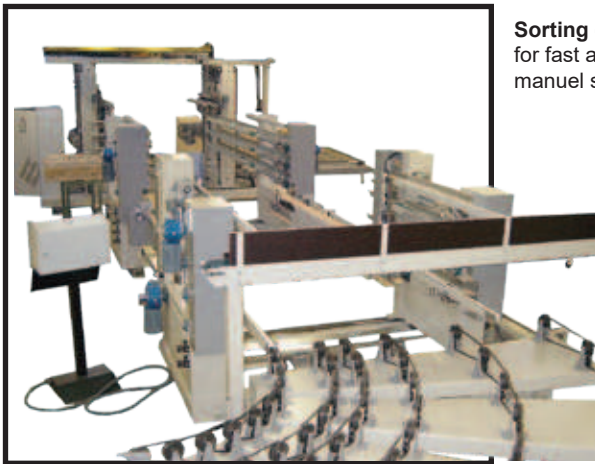
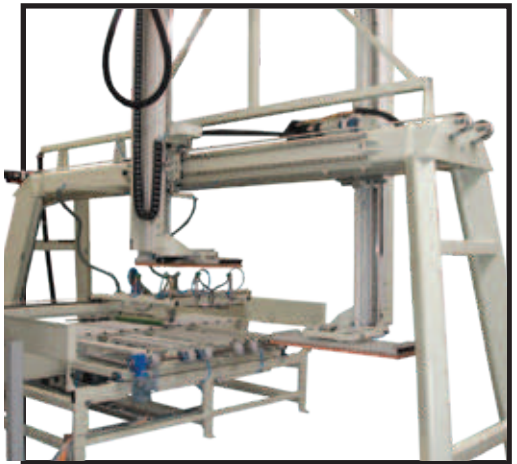


**Sorting equipment KS1**  
double sorting equipment for manual sorting

**Vacuum stacker**  
for quick and precise placing and stacking

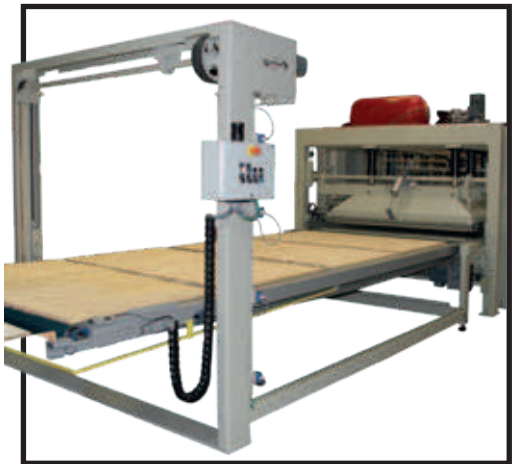
## BEHIND THE PRESS

the following can be placed (examples):



**Sorting equipment KS2**  
for fast and efficient manual sorting

**Board stacker**  
for automatic stacking of finished boards



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