

# Q-press for laminated board production

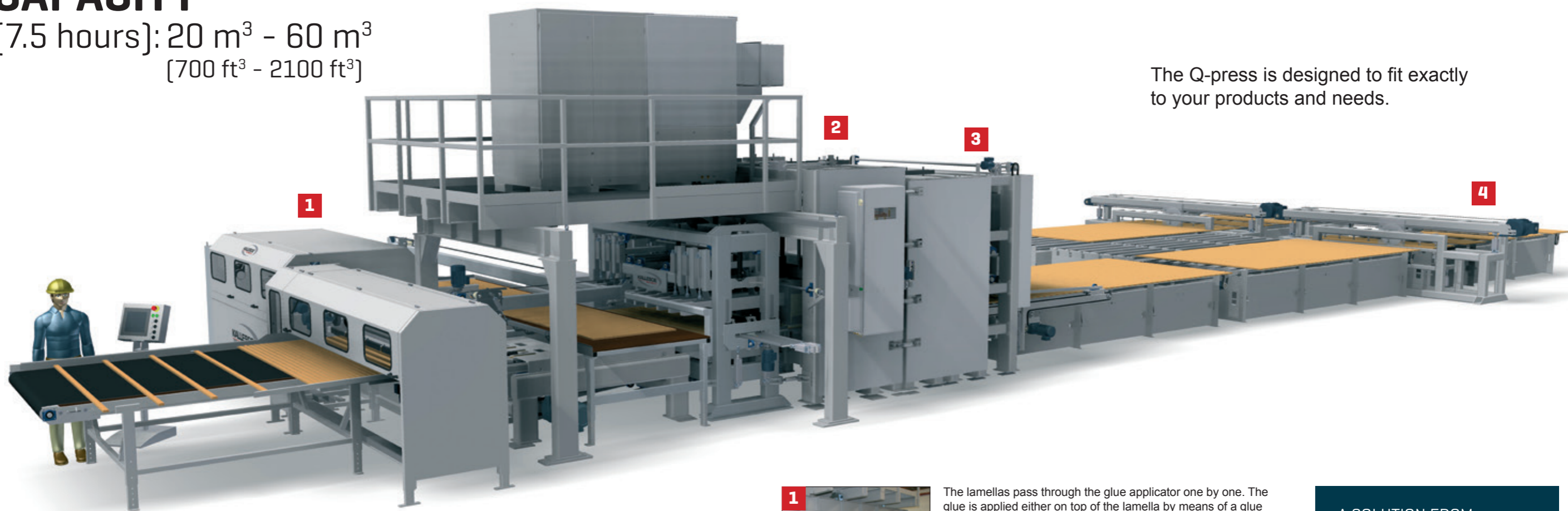


**KALLESØE**  
MACHINERY A/S

# CAPACITY

[7.5 hours]: 20 m<sup>3</sup> - 60 m<sup>3</sup>  
[700 ft<sup>3</sup> - 2100 ft<sup>3</sup>]

The Q-press is designed to fit exactly to your products and needs.



## Q-PRESS

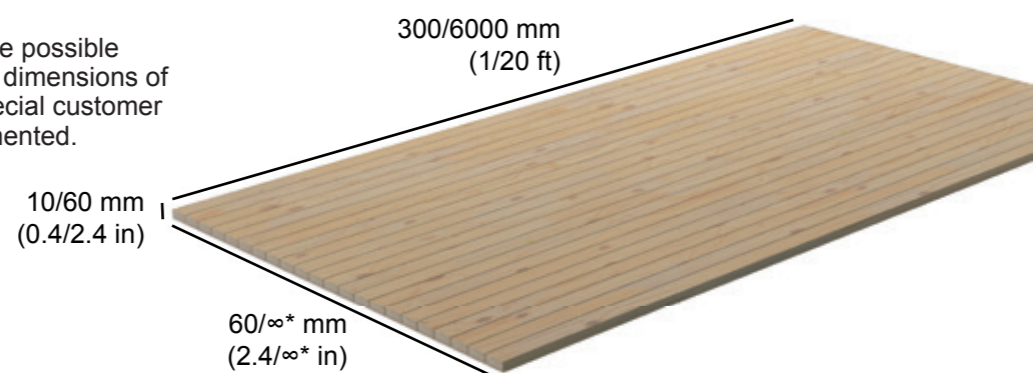
The Q-press is an extremely fast high frequency (radio frequency) press for board production.

Due to a very fast processing time and an efficient use of the high frequency energy, capacity is high and the opportunity for optimization substantial. When the board leaves the press it is fully cured and ready for further processing.

As illustrated above, the Q-press line can consist of glue and lay-up system, press and saw, but it can be adapted to meet special needs.

### SPECIFICATIONS

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



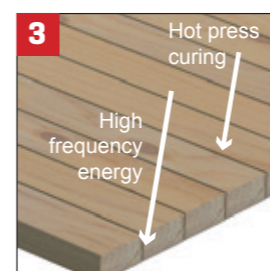
\* width depends on the subsequent handling equipment



The lamellas pass through the glue applicator one by one. The glue is applied either on top of the lamella by means of a glue nozzle or on the side of the lamella by means of a glue roller, depending on the chosen solution – which again depends on the lamella dimension and your needs.



Leaving the glue applicator, the lamellas are cross conveyed into a magazine in which they are gathered in a charge. When the magazine is full, the lamellas are led to a feeding table in front of the press.



The glued lamellas are fed into the fully automatic press which consists of two parts: a high frequency unit in front and a hot press unit behind. The pressure plate of the hot press lowers to act as a backstop for the high frequency unit. Simultaneously the high frequency unit starts processing. When the pressing cycle is completed the lamella line moves a step forward ready for the next pressing. This process allows a production of endless boards which subsequently can be cut into desired dimensions.



The high frequency energy targets the liquid in the glue which quickly heats up from the inside and cures.

The hot press cures any surface glue on the board using the excess heat from the high frequency generator.

This process offers a fully cured board and allows an immediate further processing.

Behind the press, saws can be installed enabling the cutting of the endless board into smaller units – both in longitudinal and transverse directions.

The saws cut the boards to the required dimensions and can furthermore be used for trimming ends and sides - ready for further handling.

### 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

Generator:

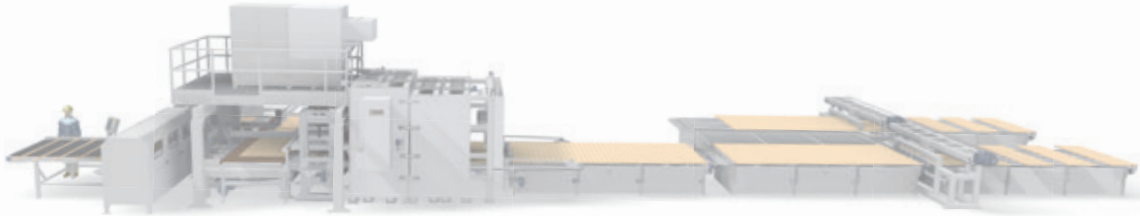
45 - 200 kW

Capacity per shift (7.5 hours):

20 m<sup>3</sup> - 60 m<sup>3</sup>  
(700 ft<sup>3</sup> - 2100 ft<sup>3</sup>)

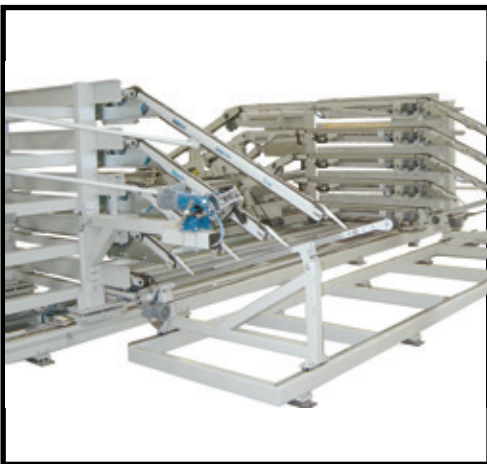
# ACCESSORY EQUIPMENT

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



## IN FRONT OF THE PRESS

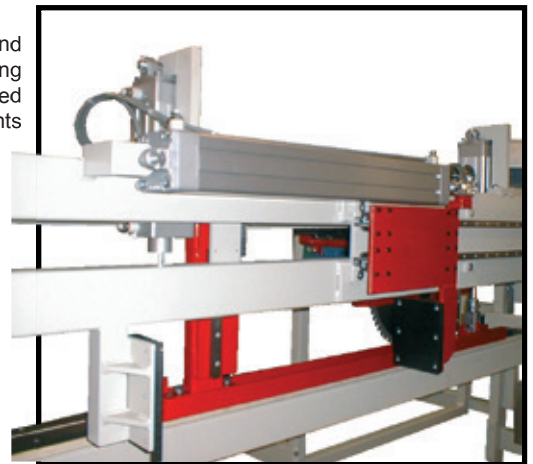
the following can be placed (examples):



**Sorting equipment**  
for the automatic sorting  
of lamellas before  
further processing of the  
wood

## BEHIND THE PRESS

the following can be placed (examples):

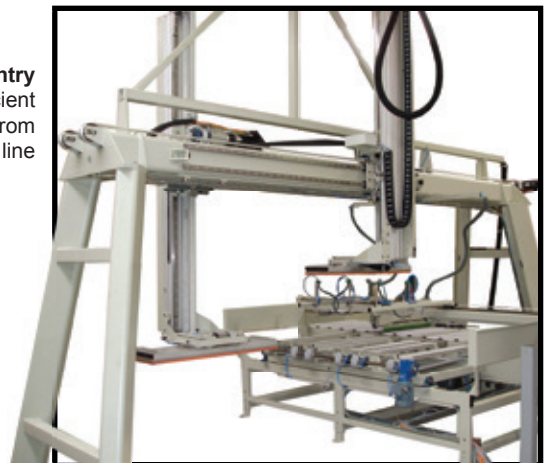


**Cross cut saw and  
rip saw** for cutting  
boards in desired  
measurements



**Sorting equipment KS1**  
for the manual sorting and  
laying-up of lamellas

**Vacuum gantry**  
for quick and efficient  
destaking from  
the line



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