

CW Press System for Conical Wane Timber Board Production



K | KALLESOE

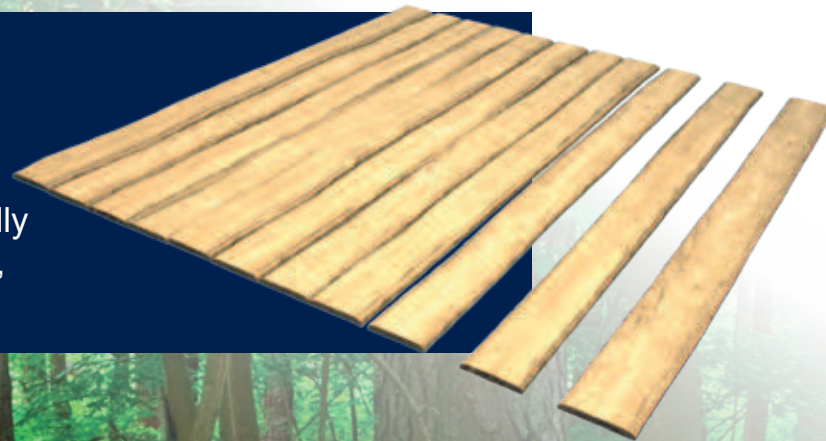
When the most regular parts of a log have been refined and e.g., used for construction or furniture materials, you are left with the parts closest to the bark.



These parts often have wane edges and can be conical and therefore not easily used in conventional production systems.



The conic wane press system from Kallesoe changes this. Now even your wane timber can be added the best possible value. The unique technology in the system automatically analyses the wane timber. It is measured, sorted, turned, glued -



- and pressed together to a continuous board that can be sawn into desired dimensions. This product can be used for many purposes –



- e.g. as middle layers in CLT elements. You get an extremely environmentally friendly board that fully exploits the potential of the log.

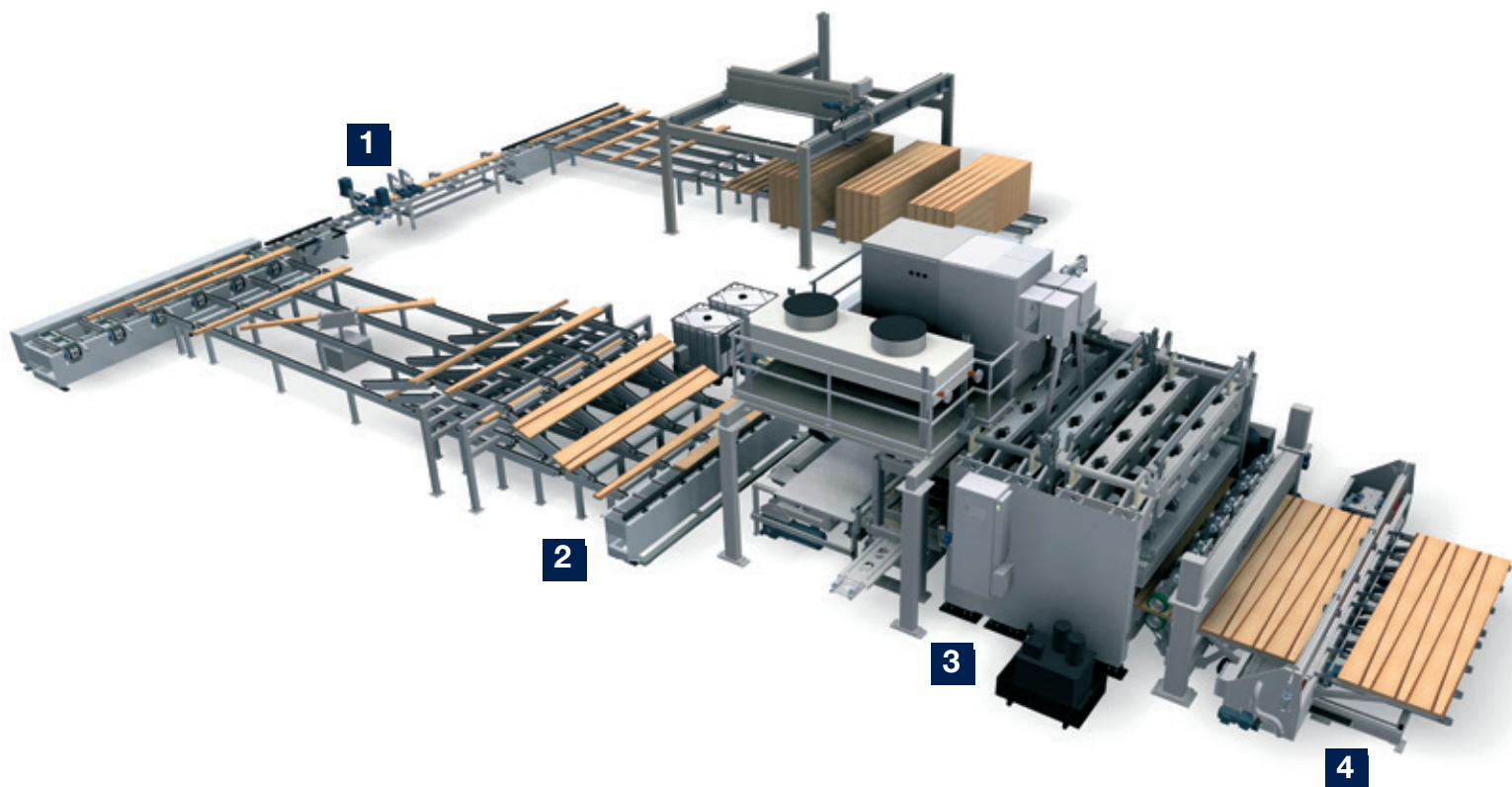
CW PRESS SYSTEM

Kallesoe Machinery has developed a technology that allows you to use up to 10 % more of the side boards of the log.

The unique technology allows the system to measure, sort, turn, glue, and press even the most uneven parts of the wood. This happens fully automatically - and very fast. The high/radio frequency press ensures rapid and solid board curing.

You get a system with high capacity and very short pressing time. At the same time, you contribute to the sustainable use of the world's wood resources.





1 The system can measure the angles of the wane timber and from this decide if the timber should be turned - in order to get an approximately straight board in the end. The timber is sorted into four levels according to its conical shape. The system calculates in which order the sorted timber is transported to the glue applicator.

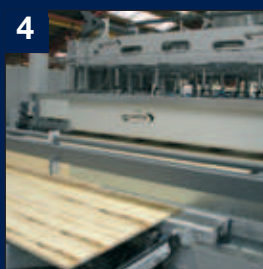


2 Glue is applied to the edge of the wane timber. Leaving the glue applicator, the lamellas are cross conveyed into a magazine in which they are gathered in a charge.

When the magazine is full, the lamellas are led to a feeding table in front of the press.



3 The glued lamellas are fed into the fully automatic press which consists of two parts: a high/radio frequency unit and a hot press unit. The high/radio frequency energy targets the moisture in the glue which quickly heats up and cures from the inside. The hot press unit cures the surface of the board, and the process results in a full-through cured board in the shortest cycle time.



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

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