

Use up to 10% more of a log with new laminating press system from Kallesoe Machinery

Kallesoe Machinery has designed a new sustainable laminating press system, which is able to use the outer part of the log. The new press is anticipated to achieve great success because it makes it possible to use wood which previously only would be used as pallet wood or wood chips. The system can use up to 10% more of a log compared to the current methods.

“We are very excited about finally having the drawings to the first “CW Press System¹” ready. We have been working intensely on this for months”, CEO Bjarne Andersen from Kallesoe Machinery says. He predicts a great interest from customers all over the world, because of the machine’s ability to automatically and effectively use the lower valuable sides of the log for instance as the middle layer in CLT (Cross Laminated Timber).

With the new CW Press System, the wood manufactures can use up to more than 10% of a log to effective production of laminated wood. This is a sustainable solution. Wood is a valuable product all over the world, but it is in short supply and it seems that this tendency will only escalate in the future. Therefore, it is more important than ever, that we use our raw materials as effectively as possible, says Bjarne Andersen.

We faced the challenge...

Traditionally the outer parts of the log considered waste wood, which is often used as cheap construction or packing wood. This is caused by the conical shape of the outer part of a log, making it difficult to be used in conventional production of laminated wood.

“Kallesoe Machinery has received multiple requests from customers wishing for a machine that would make it possible to use waste wood. We faced the challenge and succeeded. Elements produced in the CW Press System can e.g. be used in the production of the sustainable construction material CLT, which is engineered building material made solely from wood”, says CSO Bruno Kallesoe.

The use of wane wood has more than one obvious advantage: The wood is now added a value of its own and the wood and the method supports UNESCO’s recommendations on how to mobilize future wood resources in a more sustainable way.

Based on existing technology

“The technology of the CW Press System is based on existing technology, which we already use in Kallesoe’s world famous high frequency presses. The unique idea about the new system is its ability to measure, sort, turn and press even the most uneven part of the wood automatically”, says Bruno Kallesoe. He adds:

“It is of great importance to us to invent innovative machines: That way we can contribute to a more sustainable use of the world’s wood resources. It takes both structural and technological changes, and as a machine manufacturer we are ready to take on this responsibility. We want to help our customer contain a sustainable business – both regarding economy and the environment”.

¹ “CW” in CW Press System stands for Conical Wane Timber