



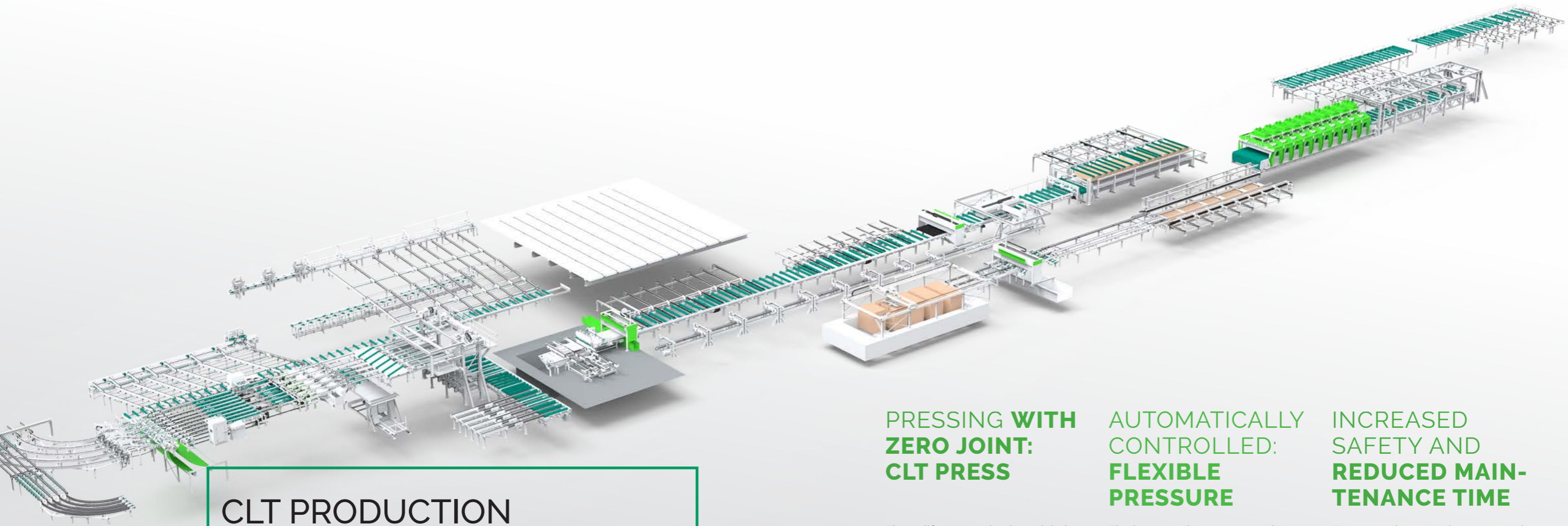
THE ADDED  
BONUS  
FOR YOUR  
SUCCESS

ALL-IN-ONE SOLUTIONS!  
MACHINERY AND EQUIPMENT  
FOR

AUTOMATED  
**CLT**  
PRODUCTION



**KALLFASS**  
*maschinen plus  
automation*



# CLT PRODUCTION

## ONE-STOP SHOP

As an automation specialist, we offer solutions for gluelam production that provides a solution with the least possible number of interfaces.

**Our product range:** The mechanisation of the entire production line, from the package pickup (also for large packages) to the acceptance of the finished pressed elements, including our board press and turning device.

**Always focused:** A steady flow of material with maximum process reliability through separate safety areas and perfect production utilisation.

The cross-laminated timber press comprises several torsion-resistant press segments arranged one behind the other. The elastic behaviour of the wood is taken into account when determining the required pressing pressure. A pressing pressure of 1 N/mm<sup>2</sup> can be built up even with a maximum panel width of 3.6 m.

## PRESSING WITH ZERO JOINT: CLT PRESS

The Kallfass cross-laminated timber press joins single-layer panels into multi-layer panels with tolerance values of maximum 0.1 mm. Achieving this zero joint is guaranteed through a very high vertical pressing force in combination with a uniform pressure distribution across the entire panel surface. As an option, the press can be offered with additional transverse pressure when pressing wooden lamellas. A virtually isobaric hydraulic concept that works independently of the different plate dimensions. The result is a perfect bonding finish and a homogeneous end product with reduced curing times.

## AUTOMATICALLY CONTROLLED: FLEXIBLE PRESSURE

The integrated system control automatically sets the pressure and adjusts it to the relevant panel size. Only those chain conveyor units and press stamps are controlled that are required for the board size, and this is what makes the Kallfass press so efficient.

To speed up the pressure build-up, the press stamps can be pre-positioned. If necessary, return runs of the board press packs are possible as the conveyor can be moved back and forth. The process data and parameters can be recorded and archived on the master computer.

## INCREASED SAFETY AND REDUCED MAINTENANCE TIME

To protect the operating personnel, the press stamps can be mechanically locked in the upper end position before proceeding with cleaning and maintenance work. Plastic conveyor belts, which can be cleaned quickly and easily, serve as press pads. A full-length platform above the press assures access to all essential components such as hydraulic and electric system.



## MACHINE DATA CLT PRESS

Board length:	8,000 mm – 16,000+ mm
Board width:	2,000 mm – 3,600 mm
Board thickness:	60 mm – 600 mm



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[www.kallfass-online.com](http://www.kallfass-online.com)

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