

Z-Press

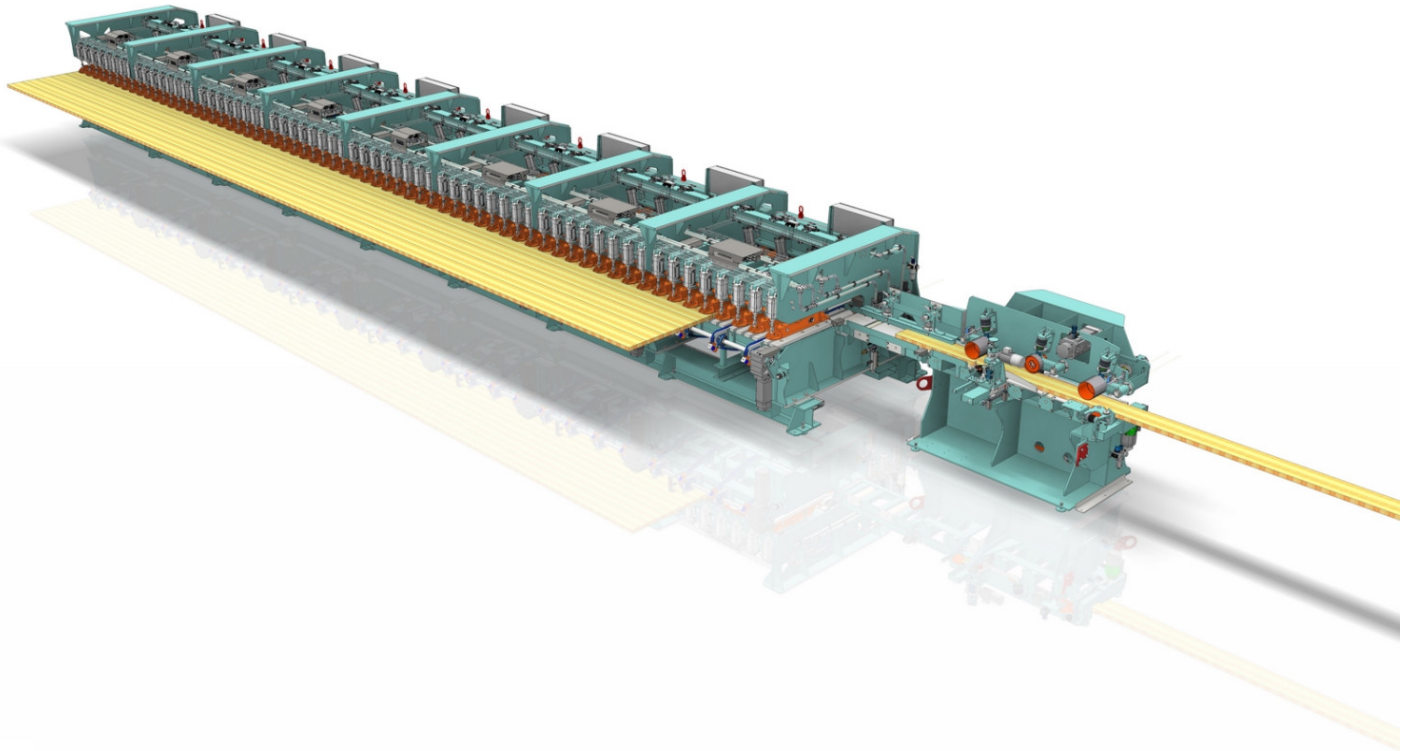
Edge glue press

Edge gluing press with hot-melt for fast assembly bonding of solid wood laminations. Multiple widths or continuous single-layer panels are produced from edge glued laminations. Such pre-assembled single layer panels can be used in the advanced and high-capacity production of CLT or other similar products.

The game changer in modern CLT production.

Already at a major CLT project in Germany 2 times in use.
Further CLT plants with Z-Press are in the realization phase for Russia, Austria and Canada.

Patented!



Main advantages by using edge glued panels in CLT production

- **Safe production flow;** single laminations are assembled to complete layers 1 step before the panel assembly
- The effect of **crook, twist and bow** of single laminations is largely decreased
- **Faster adhesives in the surface bond;** as handling preassembled layers the security time span, for open time, can be shorter
- **Cheaper than conventional edge gluing;** lower investment and less space requirements
- **Single layers of the panel can be made air tight;** wind tight CLT with 3 layers
- **Multiple panel pressing** without separation foil possible; No glue runs through the loose layer into the table or the panel below
- **Assembly bonding** with hot-melt; less waste, no glue mixing, long shelf time
- **Hotmelt** amount app. 0,3 – 1,0 kg/m³; depending on width and thickness of laminations
- **Lower production costs** per m³; more press cycles can be made per shift due to less required open time
- **Less single parts** to be handled; on a 5-layer cross panel (16 x 3m with 100 mm wide laminations) you assemble 5 parts instead of 540
- **Hotmelt and cold glues** (PU, EPI, PVA...) can be combined; for special applications and surface requirements

Features of the Z-PRESS:

- Fast assembly bonding with easy to handle hot-melt



Z-PRESS product brochure

- All time guidance of crooked, twisted or bend laminations
- Flexible edge joint
- Pressing pusher with Servo rack drives
- On-demand edge gluing startup
- Automated filling and emptying of the press
- Quick and automated dimension change
- Easy applicator maintenance and simple glue storage

Technical data

Z-PRESS




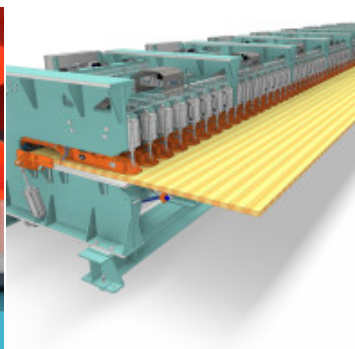
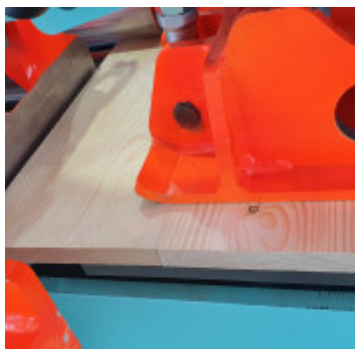
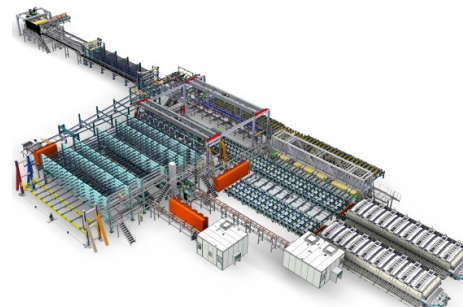
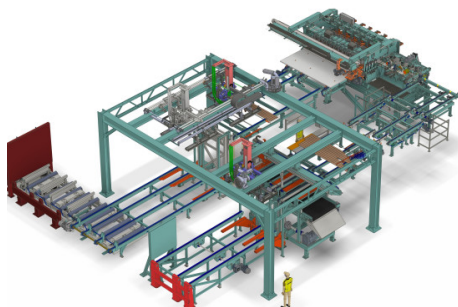
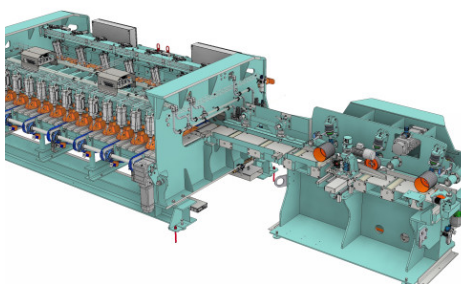
	Lamination width	100 - 250 mm
	Lamination thickness	20 - 45 mm
	Pressing length	8 - 18 m

Photo gallery





Related products



▶ Z-Press CL

Edge gluing press with hot-melt for fast assembly bonding of solid wood laminations. Single layer panels for CLT cross layers are pre-assembled from edge glued laminations.

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▶ Z-Press for CLT cross layers at Stora Enso put into operation

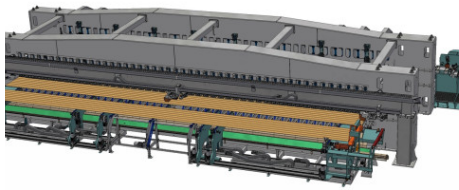
Despite Covid-19 and the consequencing difficult conditions, a complete CLT cross-layer system with a new Z-press CL was assembled on time and on schedule at Stora Enso in Ybbs.

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▶ CLT line in Germany

The company Binder has invested in a new industrial production of BBS XL large format cross-laminated timber panels for its CLT plant in Burgbernheim Germany

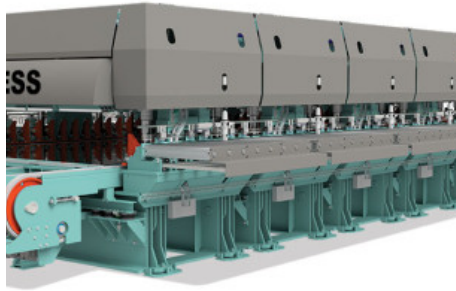
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► Unipress

Heavy automatic through-feed edge gluing press line for production of endless edge glued panels. Large format solid wood panels are produced by edge gluing of laminations.

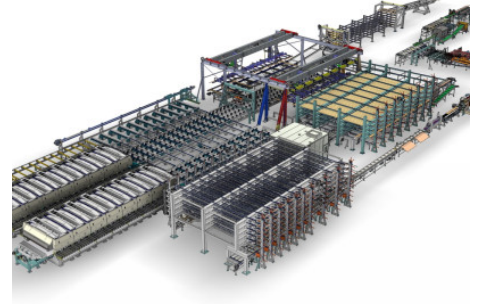
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► X-Press

Universal High-performance press for large size CLT for single Lamelas assembly and edge glued panels. Suitable also for double or multi press systems using interchangeable aluminium PE coated loading tables.

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► CLT production line Norway

Company Splitkon AS from Åmot in Norway has invested in a new industrial production for large format cross laminated timber panels.

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