

X1-Press

A laboratory press tailored to your product and process

The laboratory press is a flexible development platform for testing and optimising pressing processes. Its mechanical design, working area, pressure, measurement systems, controls and level of automation are specified according to the product the customer intends to develop or evaluate. The solution can be manually operated, semi-automatic or fully automatic.

It is designed for universities, research institutes, R&D departments and companies undertaking pilot projects, feasibility studies and process validation before scaling up to production.

Primary call to action: Tell us about your research project
Secondary call to action: Enquire about a technical configuration

Who the press is designed for

- universities and research institutes
- R&D departments of timber component manufacturers
- manufacturers of modular timber, hybrid and insulated wall elements
- manufacturers of adhesives and other process materials
- companies seeking to evaluate a solution before scaling up to production

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Key benefits

- **Configuration tailored to the product.** The actuator layout, working surfaces, mounting points, pneumatic valves and pressure regulators are adapted to the product, test specimen and research procedure.
- **From manual to fully automatic operation.** The operating method, cycle automation, measurement systems and data logging are specified according to the intended application and the customer's requirements.
- **Control of pressure and individual functions.** Regulators and valve assemblies allow pneumatic functions to be clearly set and monitored. Show these components on the website in separate close-up photographs.
- **Easy access to the working area.** The open frame and clearly laid-out worktable make it easier to prepare, position and remove test specimens and change the configuration.
- **Development at pilot scale.** Users can evaluate processes and materials at a scale that more closely reflects production conditions than conventional small laboratory equipment.
- **Scope for expansion.** Control, measurement and mechanical functions are specified according to the research project. The final options should be described once the technical configuration has been confirmed.

Application

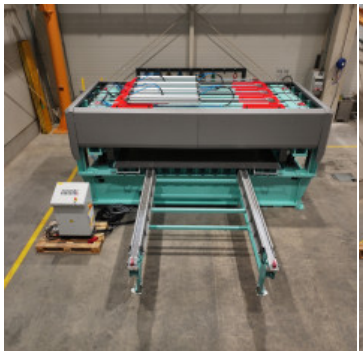
- development and comparison of adhesive systems
- testing of timber, multilayer and composite elements
- optimisation of pressing pressure, time and sequence
- preparation of specimens for subsequent mechanical or other testing
- pilot, demonstration and educational projects
- feasibility studies and validation of the process concept

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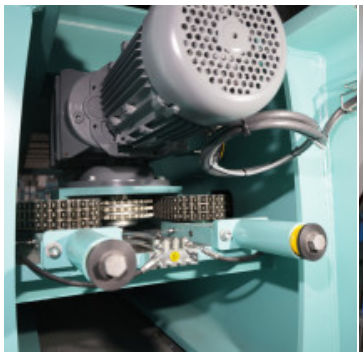
Technical data

X1-PRESS		
Pressing thickness	60 - 360 (500)	mm
Pressing width	2.450 - 3.500	mm
Pressing lenght	2.300	m

Photo gallery







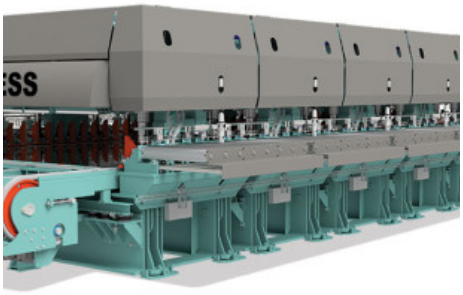





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X-PRESS product brochure

Related products



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.

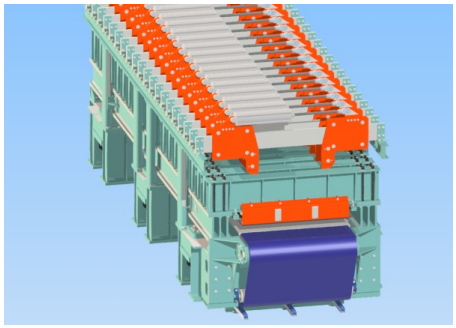
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XM-Press

Midsize High-performance press (W=2m) press for edge glued panels. Through feed system with plastic chain belt.

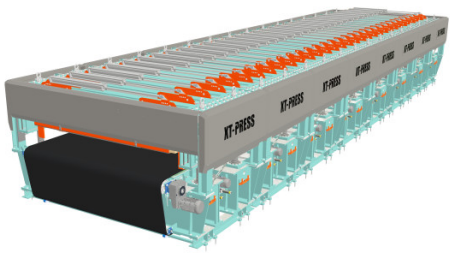
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XS-Press

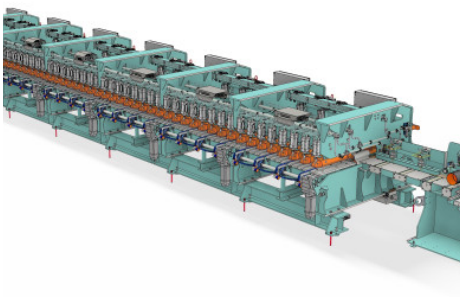
For small size CLT panels (W=1,3m) press for edge glued panels or single lamellas. Through feed system with plastic chain belt.

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XT-Press

Through-feed High-performance large size CLT panels press for edge glued panels with fast



Z-Press

Edge gluing press with hot-melt for fast assembly bonding of solid wood laminations. Multiple

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changeover. Through feed system with plastic chain belt.

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widths or continuous single-layer panels are produced from edge glued laminations. Suitable for the advanced and high capacity CLT production.

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