

"XL"

Presse idrauliche a caldo

*Hydraulic hot presses
XL*

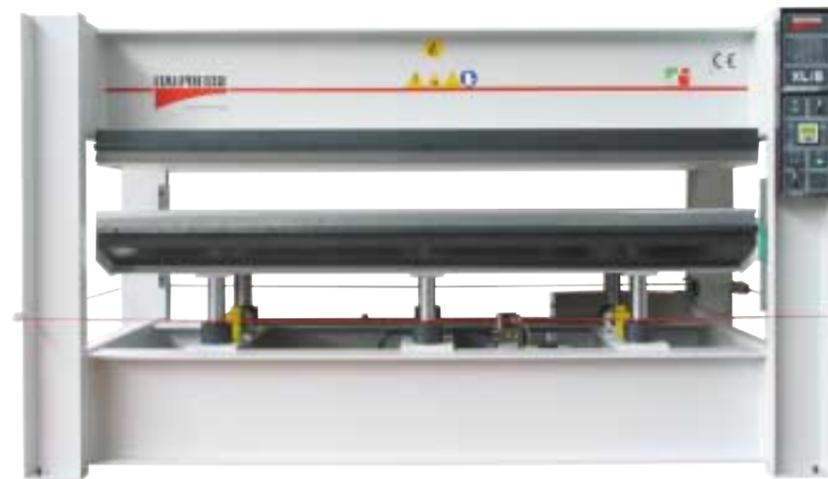
*Heizplattenpressen
XL*



Italpresse S.p.A.
Presse idrauliche



XL: XL sets the new standards for a hot press



ITALPRESSE re-invents the woodworking hot press putting to interest its 50 years' experience in the manufacturing of industrial equipment. The use of revolutionary manufacturing techniques, the automated CNC machining of the steel components, the new organization of the workflow and the high production volumes allow ITALPRESSE to introduce on the market a completely engineered and industrialized product. The major consequence of such an effort is the possibility to offer a press with excellent quality features at competitive prices. No compromise on quality, reliability and safety; only the prices are cut. Get in touch with ITALPRESSE sales network and check yourself the convenience of the new range of ITALPRESSE hot presses mod. "XL".

XL: XL: Standard features



- Electronic operated interface to set and control the machine functions

- Digital timer for the automatic opening of the press after the pressing cycle. Selector to exclude the automatic opening of the mobile platen

- Digital setting and reading of the working temperature (Not available for presses heated with wood/coal boilers)

- Digital setting and reading of the working pressure

- Daily/weekly timer to program the start up of the heating system (Not available for presses heated with wood/coal boilers)

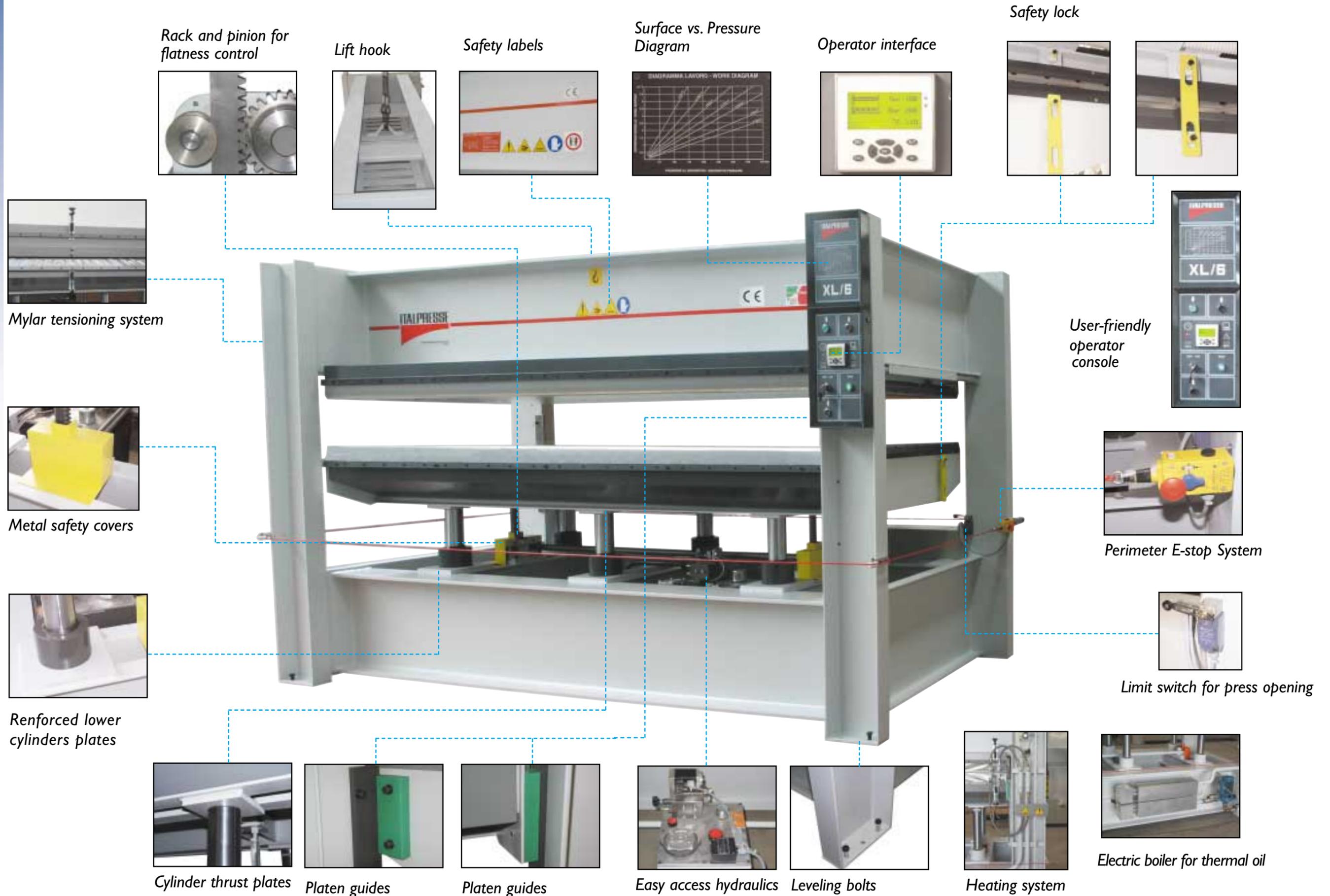
- Electric exclusion of the left row of cylinders (standard on the XL/8-XL/10, optional on the XL/6)

- Digital diagnostic system complete with general machine errors displaying.

- Selector to use 50% of the total power of the heating system to save energy. (standard on the presses with boiler power above 18 Kw)

- TECHNICAL DATA - TECHNISCHE DATEN							
	Dimensioni piani Platen dimensions Plattenabmessungen mm (inch)	Pressione totale Total pressure Gesamtdruck Ton.	Apertura (standard) Opening (standard) Öffnung (standard) mm			Cilindri Cylinders Zylinder N.	Dimensioni di ingombro* Machine dimensions* Aussehen* mm
			PA	PM	PE		
XL/4-S	2500 x 1300 / 98"x51"	50	400	370	350	4	3100 x 1800 x 2100
XL/4	2500 x 1300 / 98"x51"	70	400	370	350	4	3100 x 1800 x 2100
XL/6-S	2500 x 1300 / 98"x51"	90	400	370	350	6	3100 x 1800 x 2100
XL/6	2500 x 1300 / 98"x51"	120	400	370	350	6	3100 x 1800 x 2100
XL/6-K	3000 x 1300 / 118"x51"	50	400	370	350	6	3550 x 1750 x 1900
XL/6-J	3000 x 1300 / 118"x51"	70	400	370	350	6	3550 x 1750 x 1900
XL/6-S	3000 x 1300 / 118"x51"	90	400	370	350	6	3700 x 1800 x 2100
XL/6	3000 x 1300 / 118"x51"	120	400	370	350	6	3700 x 1800 x 2100
XL/8-J	3500 x 1300 / 138"x51"	90	400	370	350	8	4300 x 1800 x 2100
XL/8-S	3500 x 1300 / 138"x51"	120	400	370	350	8	4300 x 1800 x 2100
XL/8	3500 x 1300 / 138"x51"	160	400	370	350	8	4300 x 1800 x 2300
XL/8	3200 x 1600 / 126"x63"	160	400	400	350	8	4000 x 2100 x 2300
XL/8	4200 x 1400 / 165"x55"	160	400	400	350	8	5000 x 1900 x 2300
XL/10	3800 x 1600 / 150"x63"	190	400	400	350	10	4400 x 2100 x 2300
XL/10	4200 x 1600 / 165"x63"	190	400	400	350	10	5000 x 2100 x 2300

* Approximate dimensions of a machine with standard opening without intermediate platens.

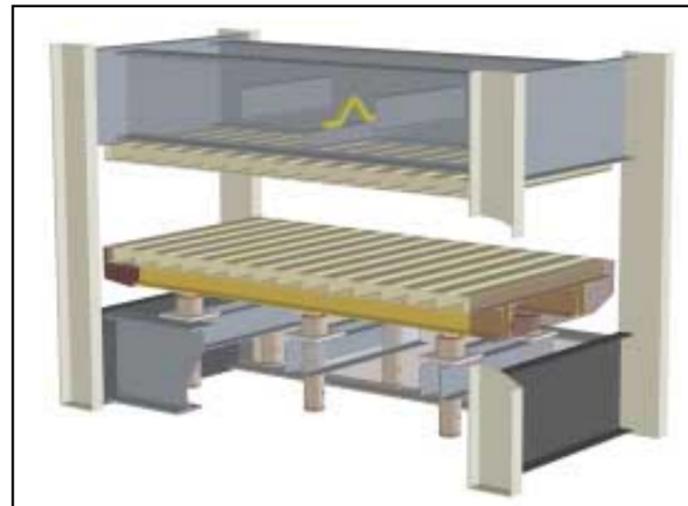


XL: Construction Details



The **solidity and stiffness of XL** construction are far superior to many other competitors' presses because **ITALPRESSE** manufactures every mechanical press component in its own shops to ensure complete control of quality in every phase of construction. Coupled with the best electrical and hydraulic components on the market, the **XL** is the benchmark of presses in its class.

FRAME:
Each XL frame is fabricated by **welding formed structural steel components** together in proprietary fixtures. **Mobile and fixed platen bolsters** are manufactured using **HEA preformed steel components**. All welded assemblies are **stress relieved** to alleviate all residual thermal stresses and are then **CNC machined** to assure **precision, uniformity and interchangeability**.

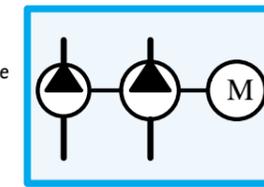


HYDRAULIC CYLINDERS:
The XL's hydraulic cylinder casings are **fabricated from FC 510/C grade steel** and **robotically welded in an inert atmosphere**. The **rams** are **manufactured with chrome-plated double precision-ground 40 NI CR Mo 4 round stock**. The double grinding cycles assure diametrical uniformity, superior surface finish and proper fit with the cylinder casings and gasket seals. Each **cylinder sub-assembly** is then housed in a **circular seat** that helps limit thermally-induced stresses.

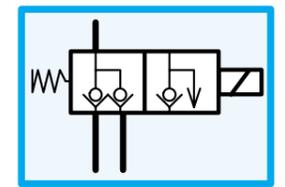


XL: Hydraulic system:

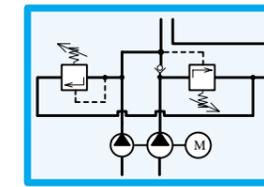
A powerful, compact hydraulic power supply mounted in the base of each XL press and consists of the components diagrammed **on the right:**



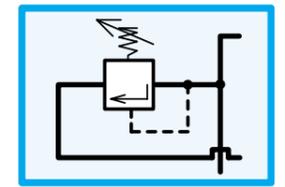
Submersed motor pump group



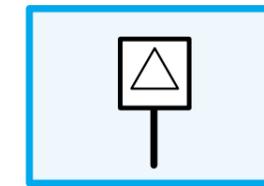
Solenoid valves group



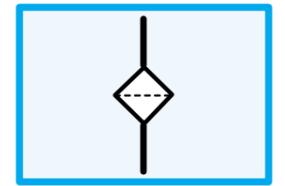
Two stage pump with pressure relief valve



Relief valve



Pressure transducer



Oil filter

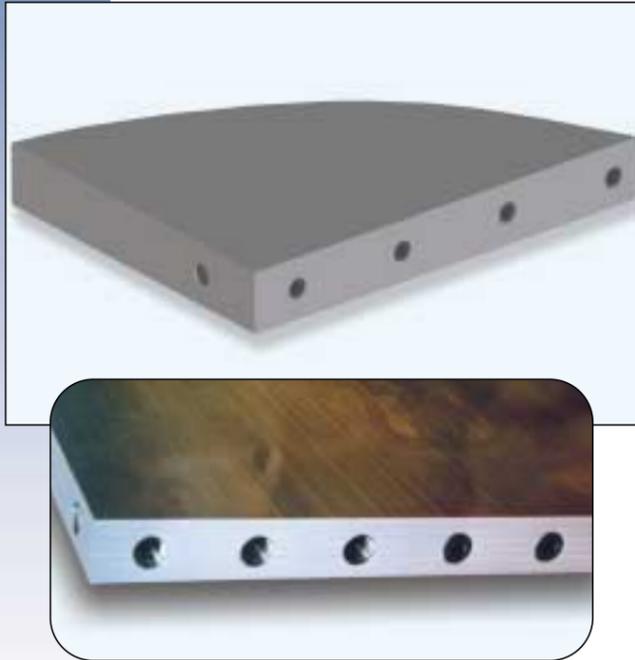
XL: Electrical system and operator console



Every XL electrical system is built in strict compliance with **CE/89/392 safety regulations** and is also certified to **CSA, UL, and VDE standards**.

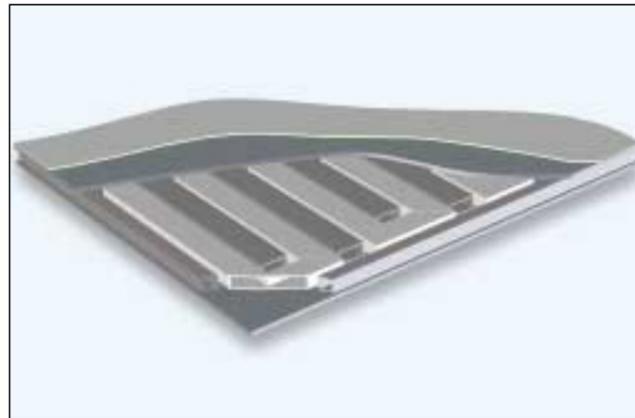
A **PLC integrated into the operator console** controls all press functions. Mounted on the front panel are the **main power switch**, a **two-hand timed operator pushbutton system** for safely closing the press, a **single pushbutton for opening the press**, a **programmable press cycle timer**, a **programmable temperature set-point control**, a **cylinder lock-out pushbutton**, and a **resettable e-stop switch**.

XL: Type of heating platens:



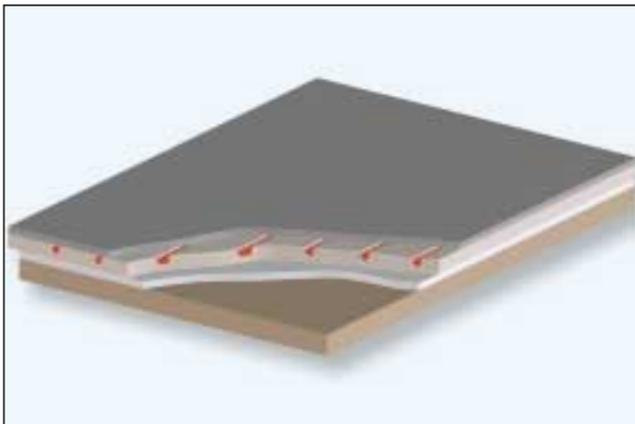
PM: SOLID STEEL PLATEN

- Each platen is machined of **Fe 430/B** grade steel plate to assure flatness and a smooth surface finish.
- **Deep channels** for the heating oil are **gun drilled** with diameters appropriate to the thermal and dimensional characteristics of the press.
- Working surfaces of the platens are covered with **mylar, Teflon, or aluminum sheet.**



PA: FABRICATED PLATEN

- Fabricated platens are made using **square cross-section steel tubing** fixed between two steel plates.
- Steel tubing used to circulate the heating oil is configured as a **continuous serpentine conduit fixed to a steel sub-plate.**
- Gaps in the conduit array are filled with lengths of square steel tubing.
- A second steel plate is fixed opposite the first plate to form a sandwich with the tubing.
- **Platens** are then **covered with thin aluminum sheet.**



PE: ELECTRIC PLATEN

- These platens are sourced from our quality German supplier
- Electrical heating coils are imbedded in the platen instead of oil channels or conduit
- Platens are fabricated of hard anodize-finished aluminum

XL: Types of heating:



XL press platens can be heated with a variety of heating systems. In some factories central sources like steam, hot water and super heated water may be used to heat the XL's solid steel or fabricated platens. Wood or coal-fired boilers may also be considerations. Since regulating the temperatures of the platens using these fuel sources can be a challenge, in the US we provide either time-tested electric boiler systems or electric platens specifically designed for your press.

THERMAL OIL WITH ELECTRIC BOILER: (see photo above)

- thermal oil heating with electric boiler;
- circulating pump;
- expansion tank;
- energy saving selector (standard on the presses with boiler power > 18 Kw);
- air spill valve;
- safety thermostat;
- temperature probes;
- ball valve to separate boiler;
- steel flexible hoses to connect platens;

WASTE WOOD OR COAL BOILER

- Complete with:
- expansion tank;
- safety and connection kit. (optional)

HEAT EXCHANGER-OIL / WATER

ELECTRIC PLATENS

XL: Safety devices

SAFETY:

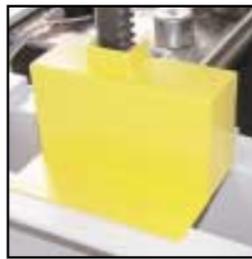
safety is paramount in the design, manufacture and use of all ITALPRESSE S. p. A. press products and accessories. We've designated a department to address safety issues as they relate to our products and to ensure that all products meet or exceed established practices. This is an ongoing process as safety standards are continuously being updated and ITALPRESSE S. p. A. revises current products and releases new models for sale. Below are examples of our common practices.

"CE Declaration":
For those countries requiring it.



Mechanical platen lock to prevent movement.

Metal protective covers:
For potentially dangerous areas.
Schutz-Abdeckungen



Adhesive stickers To advise of precautions and dangers



Perimeter e-stop safety cable and switch



Technical documentation complete with:
• Use and maintenance instructions
• Hydraulic and pneumatic diagrams
• Electrical diagrams
• Spare parts list
• Declaration of conformity
• Notes on precautions and areas of danger

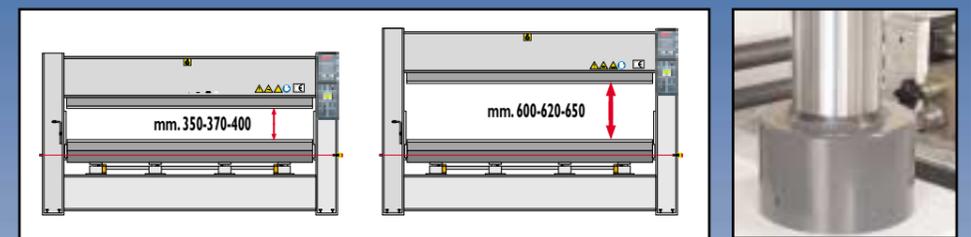
Two-hand timed press closure push-button switches



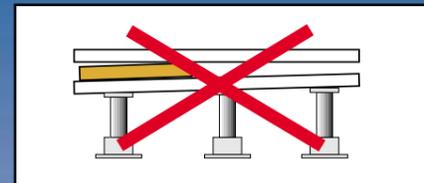
XL: Optionals

The **XL** press is already loaded with standard features. The following options are available to increase its efficiency, productivity, and ease of use.

- **Apertura vano maggiorata:** il vano della pressa può essere aumentato fino a mm. 600-620-650.
- **Increased daylight opening:** the opening of the press can be increased up to mm. 600-620-650
- **vergrößerte Etagenöffnung** bis 600-620-650 mm

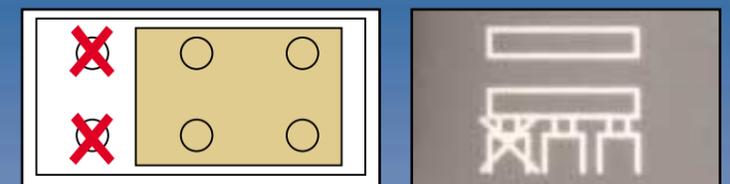


• **Intermediate platens:** the intermediate platens can be added to increase the productivity of the **XL**.



• **Electronic flatness control (EFC):** this device stops the press cycle in case of improper loading of panel

• **Electrical cylinder exclusion (ACE):** for the partial use of the press platen.



Italpresse S.p.A.

Un esteso programma di Produzione

The constant attention to the technological progress of the woodworking industry has granted **ITALPRESSE S.p.A.** the extension of its range of products, so that today it is one of the most significant and complete at the disposal of the international market. The production includes: • Single and multidaylights presses with manual and automatic; loading for production of plywood panels, panels laminated; with veneer, decorative plastic laminates and papers; • Embossing presses; • Membrane presses; • Bending presses; • Windows, cabinets and beams presses; • Glue spreaders; • Mixing and dosing units for glue; • Veneer stitchers; • Veneer guillotines; • Automatic lines for wood strips; • Painting booths; • Differents kinds of fully automatic press lines.



ITALPRESSE

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