

# COMBINED ELECTRICAL HEATING PLATEN



KOMPETENZ IN HEIZPLATTENTECHNIK + SERVICE

ELKOM- combined heating platens have been the standard original equipment of the leading veneer press manufacturers for more than 25 years.

Continuously technically developed and improved , they create in all veneer presses a solid basis for high-quality pressing of veneer and plastics with the highest possible profitability.

Even when retrofitting to existing old presses (replacement) the latest state of the art is always achieved with the high-quality ELKOM-combined heating platens and enable veneering at the highest possible quality level.

The combined heating platens with the **gold anodised surface** developed by ELKOM are supplied as standard.

The most important practical advantages are the small amount of cleaning and maintenance, resistance to scratches and wear, extremely low release agent consumption and high-quality pressing results.

( Standard aluminum surfaces are also available upon demand )

## System advantages :

**High profitability** thanks to the favourable cost/performance ratio, easy handling and rapid readiness for operation. Smooth and flat surfaces.

**Low current consumption** thanks to 100% heat flow from the heating conductor into the solid aluminium platen.

**Highly pressure-resistant construction** , suitable for all veneer press makes. Exclusive use of high-quality aluminium alloys in combination with the solid ELKOM high-pressure insulating board produces a high-strength combination. All buy in components are manufactured exclusively according to our specifications.

**Easy veneering** and pressing of large and small parts.

**Standard wear-resistant GOLD ANODISED surfaces.** Optimisation of pressing results. Energy-consuming covering with sheeting susceptible to wear can be dispensed with.

A "modular system" ensures **problem-free servicing**. In the worst case, e.g. when the surfaces are damaged by faulty press operation, all components can be renewed quickly and at low cost. We have our own delivery and assembly service. 6-hour rapid repair service.

**Standard sizes:** 1200 x 800 mm - 3500 x 1350 mm as well as all standard press dimensions. Special dimensions on request. Overall height 50-53 mm depending on the size. Solid high-pressure insulating boards , calibrated. Weight approx. 65 kg/cm<sup>2</sup>

**Heating power:** 2,8 kw - 3,3 kw per cm<sup>2</sup> depending on the platen size.

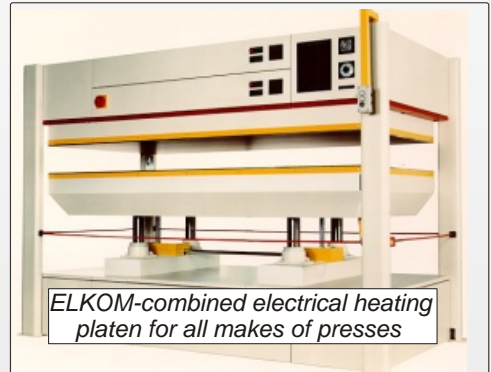
**Voltage:** 230/400 or 400/690 Volt as well as all special voltages

**Operating temperature:** continuous temperature 120°C , heating time 12-14 min. to 100°C

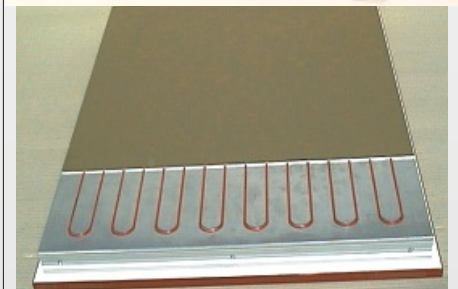
**Compressive strength:** point-type load limit max. 600 N/cm<sup>2</sup>

**Current consumption:** approx. 1,4 kwh/qmtr. with continuous operation (mean of empirical values)

Subject to technical modifications according to progress.



ELKOM-combined electrical heating platen for all makes of presses



View of an ELKOM combined heating platen ( cover plate "cut open " )



Quality up to the smallest Detail . The "bends" in the centre of the platen to compensate for thermal expansion can be seen. ( picture taken during production )



**Exclusive ELKOM safety heating conductor. ( patented DBP 4239568 )**

**Guaranteed for 5 years !**



Detail elevation of heating platen corner with anodised aluminum edge section .



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