

Lascaux Restoration Tools and Equipment

Elkom Aluminium Heating Plates

Elkom has drawn on years of experience with tried-and-tested aluminium electric heating plates in designing an optimized system for the self-built unit construction of hot tables for use in restoration work.

Working surface

The working surface is a multilayer composite board in a special aluminium alloy with an extremely smooth and level surface finish. The heating wires are embedded directly in the table by a proven Elkom method which ensures a smooth transfer of heat at a constant temperature over the entire surface. The heating conductor is provided with sevenfold glass-fabric insulation and is factory-tested to 1500 volts. The various layers of the composite board are high-temperature bonded. The surface can be supplied bright-rolled or (on request) oil-ground.

Vacuum system

The vacuum nozzles with wax separators are connected directly to the vacuum pump by a plastic hose and can be deactivated individually by means of hand valves. The vacuum pump is mounted on rubber-and-metal feet and is equipped with a wet separator to prevent wax particles being sucked into the pump. The vacuum is adjustable. The vacuum pump is fitted with an EURO moulded earthed plug. The electrical equipment complies with current VDE (German Electrical Engineers Association) regulations.

Temperature control unit

All switchgear, fuses and monitoring equipment are housed in a central control box. This box also contains the dial telethermometer which maintains the surface of the table at a constant temperature according to the setting. The temperature sensor is located in the centre of the table.

Technical data

Switchgear and control equipment are housed in a metal case separate from the hot table.

Liquid-filled filter, plugs into the hot table.

Flexible capillary connection with control system.

Liquid expansion, switched via a fine contact and contactor.

Switching capacity: 20-35 A three-phase.

Temperature range: 0-200° C.

Electronic control and digital readout of actual temperature.

Sensors: 300 x 5 mm dia. with a 3 m or 5 m measuring cable.

Advantages

All-aluminium hot table.

Constant temperature over the entire surface.

Absolute reliability thanks to precision thermometer.

Ready to use as delivered.

Low power consumption.

High final vacuum, adjustable 0-95%.

All table sizes can be supplied.

Size

Maximum size w.r.t. plate thickness

9 mm: 1350 x 2550 mm

10 mm: 1500 x 3000 mm

12 mm: 2000 x 3600 mm

Accessories

Temperature control unit, max. 120° C, pre-wired, 230/400V, 3PH+N+E

Dekatorr vacuum pump with pressure gauge and control valve.

Easy to install vacuum connection with suction grip.

Quick-fit nipple and socket set.

Plastic air hose.

Disclaimer:

The information provided above is given to the best of our knowledge and is based on our current research and experience. It does not absolve the user from the responsibility of first testing the suitability of our products for the specific use conditions he or she has in mind. This technical sheet will become invalid with any revised edition. The latest update is always found on our website.