

Preheatingstation for Solid Surface
Material of any kind and Thermoplastics

MIKUTHERM-OPTIMAL



KOMPETENZ IN HEIZPLATTENTECHNIK + SERVICE

The ELKOM preheating station MIKUTHERM-OPTIMAL has been developed for economical, safe and protective heating of solid surface sheets as well as all thermoplastics, acrylic glass and similar material. It is the latest, most efficient and safest system on the market.

Technical features :

Top and bottom ELKOM aluminium industrial electrical heating plates (18mm thick, extremely durable)

Free-moving drawer with ball-bearing guide for easy access to table

Top table with short-stroke cylinders (pneumatic) and material thickness adjustment.

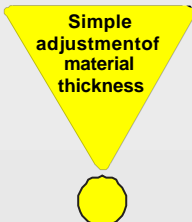
Central switchbox with main switch, 2 electronic controllers up to 200°C (stepless adjustment)
Pneumatic switch for top table stroke and maintenance unit



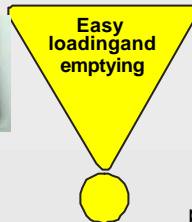
Working areas:
all dimensions feasible according to your requirements



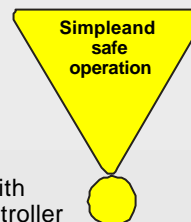
Vertical adjustment and lifting cylinder



Ball-bearing table guide



Central switchbox with precise electronic controller



Solid surface sheets and other thermoplastics must be heated carefully. Contact heat on both sides without application of pressure to the material is ideal. MIKUTHERM-OPTIMAL meets the requirements of the raw material suppliers and fabricators. In contrast to conventional temperature control systems with folding-cover tables maximum safety is achieved with short and material-protecting cycle times. The preheating time for a 13mm solid surface sheet is only about 5 minutes. The high-quality, gold anodised ELKOM heating plates ensure protection of the material, uniform continuous temperature and extremely long life. The solid surface sheet is held flat, but not pressed by the lower table top. **Any risk of colour change is avoided by the precise MIKUTHERM technology.**



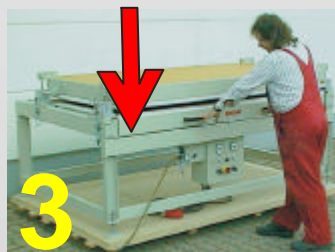
1 Withdraw table and place the sheets or plastics board in position.

The material thickness is adjusted by putting original material under the set screws. Hence pressing of the sheets is prevented.



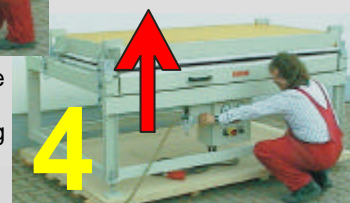
2 Push the table into the station.

Up to 70% electrical power is saved compared to conventional folding-cover tables. **Opening and closing in only 5 seconds!**



3

When the station is closed, the upper part is lowered with the stroke switch. After the heating time the upper part is raised and the table withdrawn.



4

Technical Data

- Base size** 1100 x 1100 up to 3800 x 1100mm
- Table height/support** : 850mm
- Connected load:** 6,4 - 30kw according to size
- Voltage:** 400/690 Volt 3ph.
- Temperature:** 0-200°C, stepless
- Material thickness:** adjustable up to 25mm

All dimensions feasible on demand (up to 4000 x 1800mm)

