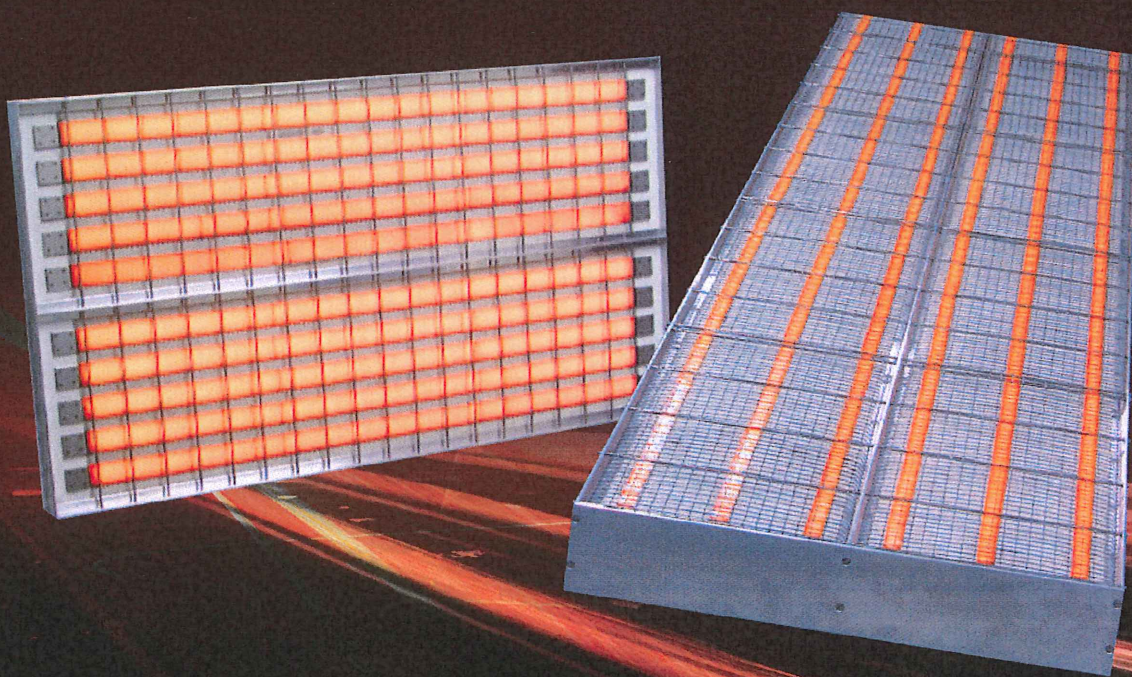


KRELUS INFRARED

Since 1975 experience and know-how



- **modular**
- **can be tailored to suit the need**
- **economical**
- **energy-saving**
- **environmentally friendly**

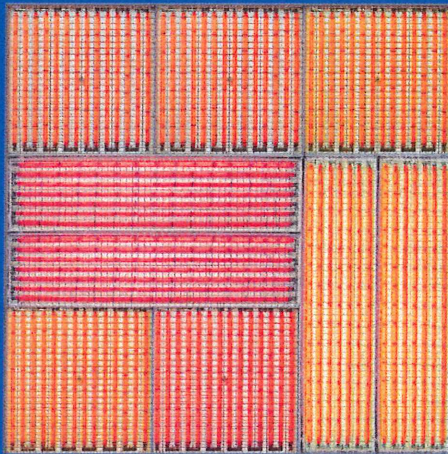
APPLICATIONS

KRELUS AG has specialised in the supply of custom made Infrared heating solutions. We are the most competent partner for custom made IR-heaters for :

- Automotive
- Coating
- Embossing
- Laminating
- Thermoforming
- Pre-drying etc.

APPLICATION AREAS

- in systems for textile, foil and paper coating
- in sheet fed offset printing machinery
- in pre-drying and heating systems
- in general plastic processing plants, e.g. embossing, laminating
- in process heating systems
- in the food processing industry
- in short – wherever high radiation intensity, easy control, short reaction times and custom-built solutions, together with maximum economy are required.



KRELUS-MINI

Full area modular Infrared-heater

- uniform setting
- edge zone setting
- individual setting

The KRELUS-MINI- and SUPERMINI-heaters combine all the advantages of the experience since 1975 with KRELUS INFRARED techniques.

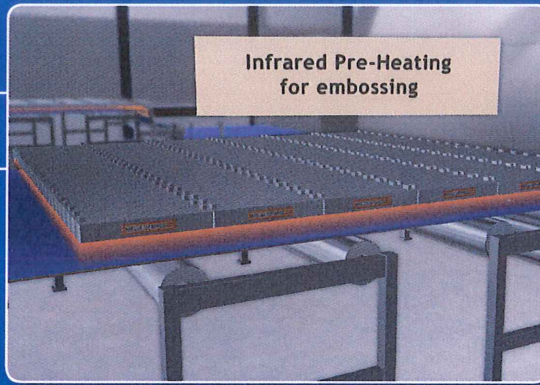
Special advantages are :

- short reaction ON ~ 10 s / OFF ~ 2 s
- high intensity 20 kW/m², 26 kW/m², 32 kW/m², 40 kW/m² and 50 kW/m²
- easy control continuously 20°C – 800°C
- modular sizes

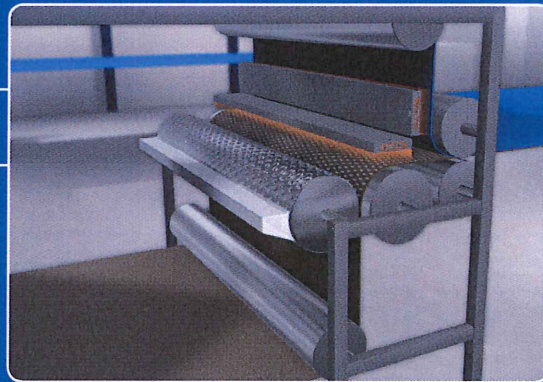
KRELUS IR-heaters emit their high energy full area radiation from special metal foils mounted onto an efficient insulating material. The units are built in a stainless steel framework.

The wavelength of the infrared radiation emitted by KRELUS IR-heaters is in the range 2.6 to 9.6 μm and as a result of their electronic control system any wavelength in the range can be emitted. In this range, almost all the materials to be treated show excellent absorption of radiation, and consequently heat.

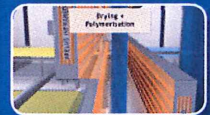
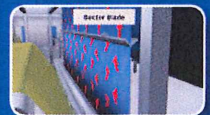
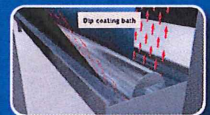
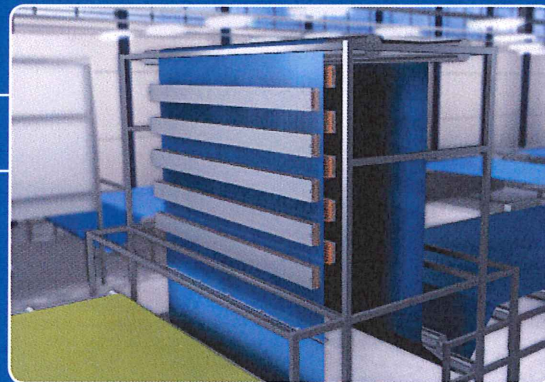
COATING/EMBOSSING



HOTMELT LAMINATION



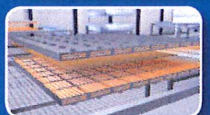
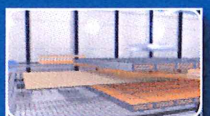
DIP COATING



OFFSET PRINTING



THERMOFORMING



DESIGN FLEXIBILITY

The KRELUS heaters are manufactured in various designs and sizes and it is possible to join several heaters together to get a big panel with uniform heating characteristics.

It is also possible to arrange for separate switching for the outer zones on installation with higher capacities.

To make a suitable proposal we require the following information :

- capacity desired
- voltages available
- space availability (dimensions)
- application – target

Electronic control

The electronic control allows the output of the heaters to be regulated continuously on the following principles :

- manually by potentiometer
- measuring temperature using a probe
- optical pyrometer
- machine speed, etc.

Maintenance

There is virtually no maintenance required as there are no moving parts. Any necessary replacement of the foils can be accomplished by customers' own personnel. An instruction manual is supplied.

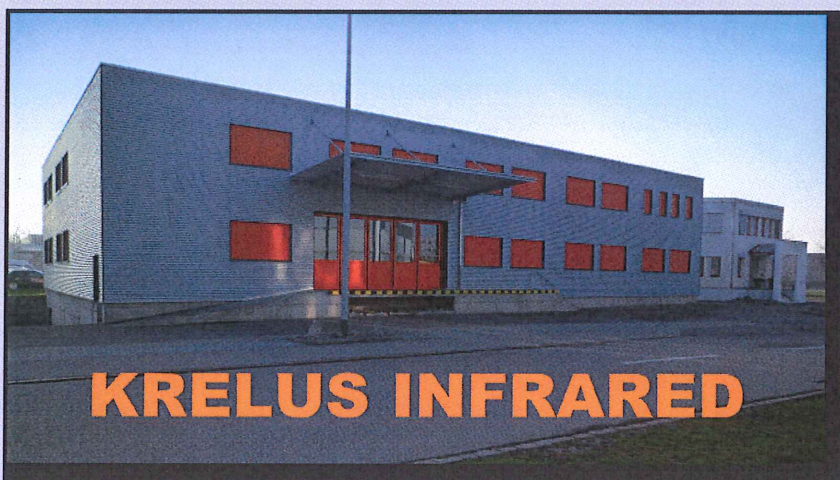
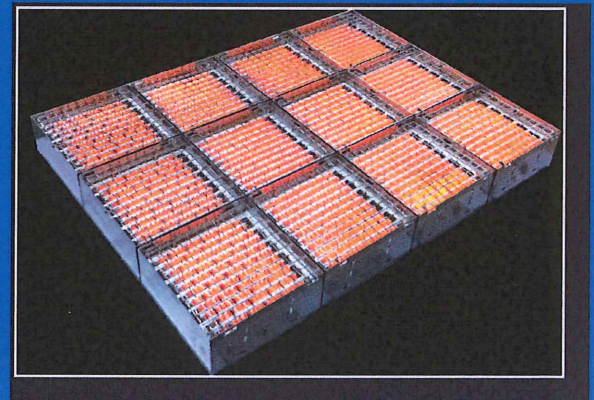
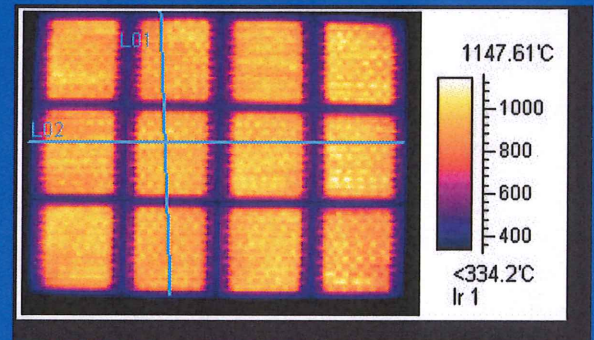
NEW !

KRELUS IR-HEATER MODEL "SUPERMINI" FOR THERMOFORMING

HEATER DIMENSION :

123 X 123 X 50 MM MOD. G11-12-SM5
248 X 61 X 50 MM MOD. G5-25-SM5

Display / testing area : 500 x 375 mm



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