

Heating elements for Plastic Processing

heatsystems offers a wide range of heating elements for heating machines, machine parts, tools and cylinders. The most frequent application is the field of plastic technology and appliance production.

You can find the right version for your application based on the following criteria:

- operating temperature
- tightness requirements
- surface load

Type of heater	Maximum operating temperature	Maximum surface load
Nozzle heater		
Mikanit version, brass jacket	300 °C	3.5 W/cm ²
Mikanit version, stainless steel jacket	500 °C	6.5 W/cm ²
Ceramic version, stainless steel jacket	500 °C	12.0 W/cm ²
Core heater		
Mikanit version, brass jacket	300 °C	3.5 W/cm ²
Mikanit version, stainless steel jacket	500 °C	6.5 W/cm ²
Ceramic heater		
Cylinder heater	400 °C	7.0 W/cm ²
Frame heater	350 °C	3.5 W/cm ²
Frame heater	300 °C	3.5 W/cm ²
Floor heating plate	300 °C	3.5 W/cm ²

Nozzle Heaters

heatsystems nozzle heaters feature the following product properties:

- low space requirements
- very stable structure
- long life
- plastic-proof
- water-tight version on request

Standard version:

Voltage: 230 Volt AC
 Connection: 45 degrees
 Connecting cable: with metal mesh
 300 mm long
 On request: longer supply line, assembled plug, bore with clip for a thermocouple.



Nozzle heater, stainless steel version.

Ceramic, Cylinder, Frame Heaters, Floor Heating Plates

CERAMIC HEATERS

Ceramic heaters are the ideal solution for high surface load (max. 7 W/cm²) combined with high temperatures up to 400 °C.

heatsystems supplies a terminal box with a screw cable gland, a CEE plug device or an angle fitting with socket as an electrical connection.

CYLINDER BAND HEATERS

The maximum surface load for **heatsystems** cylinder heaters is 3.5 W/cm²; the maximum operating temperature is 350 °C.

FRAME HEATERS

Pressure plates fix the inside bands to the tool. Recesses and bores are possible, also with clip or thermocouple fastener. Each side of the **heatsystems** frame heater can be heated and controlled separately on request. The maximum surface load is 3.5 W/cm². A version with exchangeable inside bands is available as an option.

FLOOR HEATING PLATES

The maximum surface load for **heatsystems** floor heating plates is 3.5 W/cm².

heatsystems floor heating plates are clamped to the tool by means of a pressure plate which is provided on request.



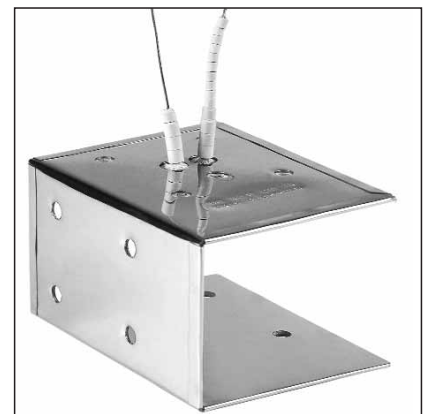
Ceramic heater.



Frame heater.



Cylinder heater.



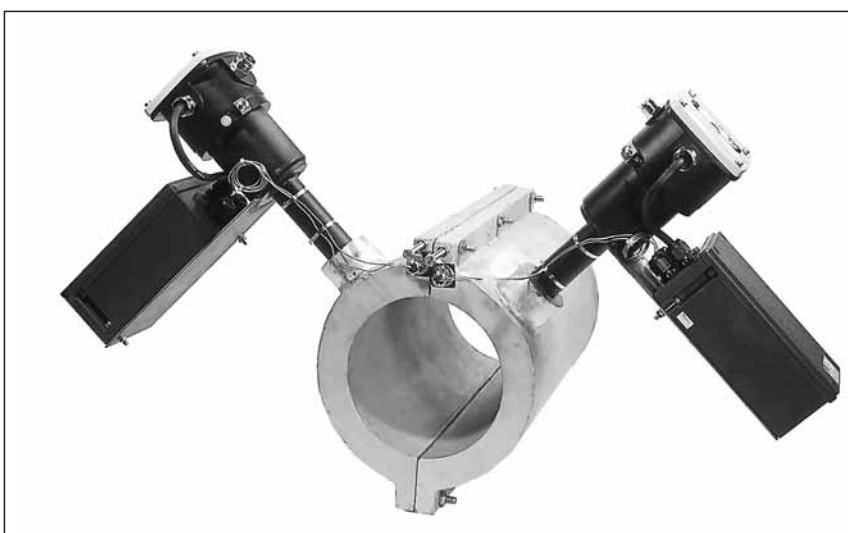
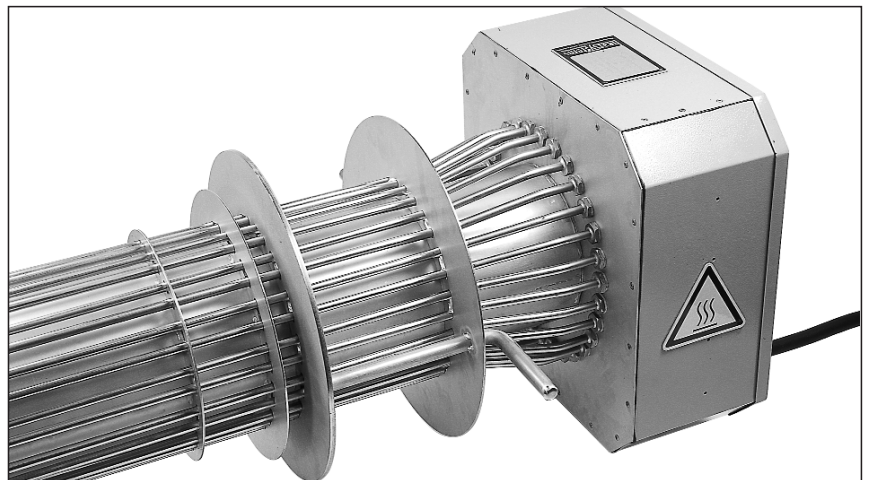
Heating plate.

...for the tool heating



Floor heating plate in aluminium die-cast version. Diameter 650 mm. Capacity 10 kW. Area of application: vessel heating.

Plug-in pre-heater as recipient heater in the area of aluminium extruder presses.



Explosion-proof cylinder heater in die-cast aluminium version. Both halves can be regulated separately. Diameter 180 mm, length 600 mm.