



Preformed Heating Elements

The optimum solution for temperature control of moulds and surfaces.

Would you like to heat your tooling efficiently?

That's easy with Freek's precisely shaped heating elements, available with square or round cross-sections in a wide range of sizes.

Freek offers a comprehensive portfolio for heating moulds and tools.

Depending on the application, we use tubular heaters, cartridge heaters or HotMicroCoils. Our elements are the ideal solution for demanding applications in hot runner technology, mould-tool or platen heating. Thanks to their three-dimensional formability, they deliver flexibility and precision for an exact fit to complex geometries.

Firmly pressed into a mounting groove to fill the contour, our heaters ensure effective heat transfer and provide uniform, reliable heating of mould tools and heating plates.



Typical Applications

- Hot runner technology
- Manifolds
- Heating plates
- Sealing plates
- Welding stamps
- Vacuum applications

Your Benefits at a Glance

- Round or square cross-section
- Heater supplied straight, pre-bent, or mounted into your component
- Optional: tailored power distribution or integrated thermocouple
- Operating temperature up to 750 °C
- Single- or double-ended connection
- Sheath material: stainless steel or nickel

Application Example: Power Distribution in the Sealing Bar

Challenge:

- Previous customer solution: heated plate with cast-in tubular heaters.
- Long downtime in case of failure due to long lead times and complex replacement.

Our Solution:

- Stainless-steel plates with milled grooves manufactured by the customer.
- On-site installation of square cartridge heaters with short lead times
- Stockholding of spare heaters for rapid replacement
- Power distribution and an integrated thermocouple for increased process reliability



Contact us now!



GET CONTACT

Michael Ablas

+49 2373 9590 14

m.ablas@freek.de

