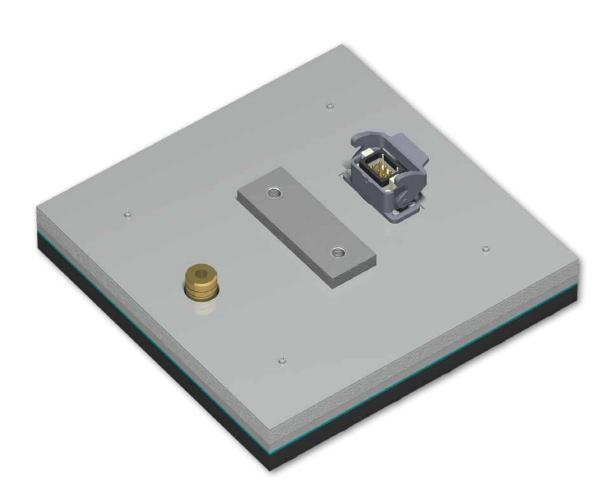


P-System Heating Plates





P-System Heating Plates

Components and Systems

Heating elements, thermal sensors and process control – hotset is your partner for the realization of intelligent product and service solutions in the field of industrial heat technology. Based on our international presence and our own production sites, we operate as a component supplier and development service provider for customers in all industries.

We supply you with components for your series production, we implement complex system solutions for you or we take over entire value chains: your requirements, your goals and your wishes always form the centre of our actions. You benefit from flexible production and logistics structures, an interdisciplinary engineering and over four decades of technology experience.

hotset - components. systems. projects.



New materials or methods of production require more precise temperature control in heating plates.

As a specialist in process-heating we can provide your heating plate as a plug and ready to assemble system.

Practical advantages

- Highest accuracy in temperature control
- Thermally decoupled for fixation
- Reduction of temperature differences due to homogenous distribution
- More process reliability when using composite films (No damage at the barrier layer)
- Improvement of the uniformity of the wall's thickness and reduction of weight differences at equal deep drawn products
- Usage of a thinner film is possible
- Avoidance of streaks on the material
- Exchange and re-coating of components (e.g. heating element) is possible

Technical features	
Supply voltage	12 400 V
Power density (maximal duty)	max. 15 W/cm ²
Temperature homogeneity on the heating plate	until ± 1 °C
Temperature homogeneity on the material e.g. film during deep drawing (right picture)	until ± 2 °C

Function-coating

for (e.g.)

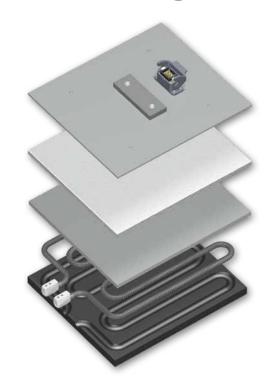
- Anti adhesive characteristics
- Dry-lubrication, slide characteristics
- Wear- and abrasion protection
- Surface hardening
- Corrosion protection
- Chemical resistance
- Anti-static, conductivity
- Easy cleaning
- Antibacterial coating

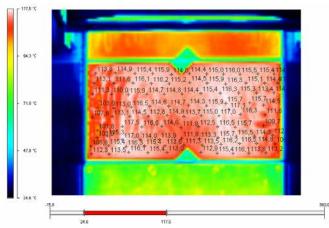
Options

- Defined surface structure
- Different forms: rectangular, round, ...
- Sealing profile
- Control technology
- Connecting cable
- Plug connection

Application examples

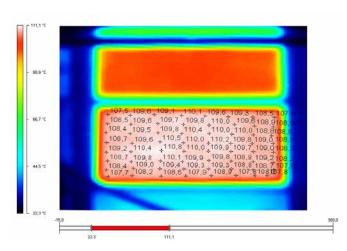
- Thermoforming
- Sealing of shrink-foil
- Hot press production method
- Connection of foil layers





Film's thermography after heating with a general heating plate:

Temperature difference on the heating plate: \pm 1 °C Temperature difference on the film: \pm 1 °C more than 15 °C



Film's thermography after heating with a hotset heating plate:

Temperature difference on the heating plate: \pm 1 °C Temperature difference on the film: \pm 2 °C less than \pm 2 °C



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