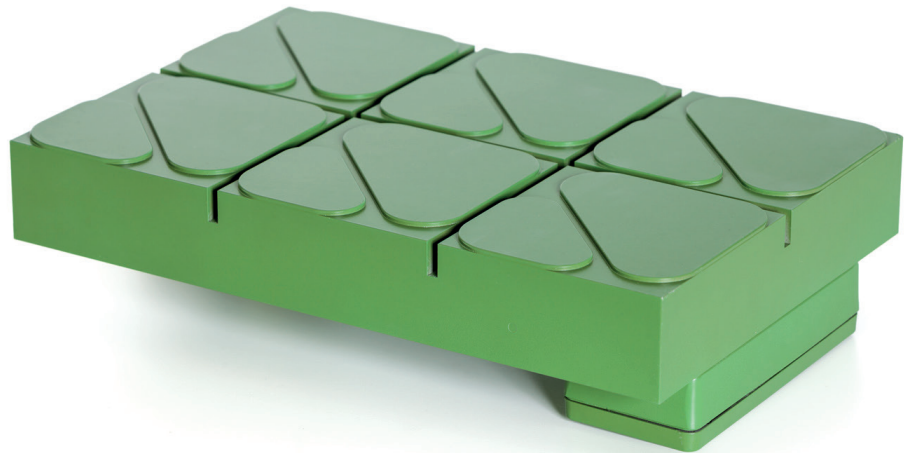


Aluminum Heating Plates



Application examples

- Packaging machines, thermoforming machines
- Film and sheet heating
- Hot plates
- Plastic molding equipment
- Laminators

DBK's knowledge of thermal management gives us the experience to guide and support you with your technical challenges - we can manage the complete project from concept to full production release.

Heating plates are flat, mostly rectangular, solid contact heaters made of aluminum with precisely positioned cast-in tubular heating elements. The surface can be machined or ground to size according to customer requirements. Further, the plate's contours, mounting, connection sockets, and coating can be specified individually. The design and construction of heating plates require great expertise, which is why we offer to take care of the complete construction process. E.g., it is particularly important to design a favorable heating element layout to achieve optimum heat distribution. With the help of CAD-based simulations, basic functions of the heating plate in the customer application - such as heating capacity and estimated surface temperature - can be tested in advance.

Features

- Defined heat output due to resistance wire technology
- Power according to customer specification
- Operating voltage up to 500 V
- Operating temperature up to 300 °C
- Even heat distribution over entire contact surface
- Shaping and contact surfaces according to customer specifications
- Coating materials: PTFE, electroless nickel, Niflor, hard anodic coating
- Minimum thickness 25 mm
- Heating surfaces ground flat, contours milled
- Stress relief annealed plate
- Electrical connection: protruding tube-end M4, connection box screwed on, connection box cast on
- Sand casting: void- and pore-free

