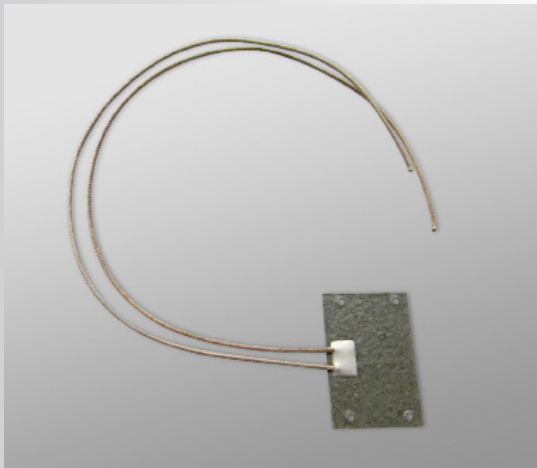


# Mica Insulated Heating Elements and Systems



## **Birk Manufacturing heaters are designed to provide:**

- **Maximum temperature capability (up to 600°C)**
- **High watt density (over 150 W/in<sup>2</sup>)**
- **Rapid thermal recovery**
- **Very even heat distribution**
- **Integrated thermal switches, sensors, and cut-offs**
- **Formed heaters for curved heating surfaces**
- **Custom shapes and sizes up to 22" X 22"**

## **Innovating to Support Many Industries**

Birk supplies heaters to leading manufacturers in the medical, defense, aerospace, food service, HVAC and semiconductor industries. These heaters are made of flexible mica sheet and can be formed to a curved surface and complex geometrics. Mica heaters are designed to be used in clamped applications providing excellent heat transfer, fast warm up and quick thermal recovery times.

## **Primary Uses: Chemical Detection, Appliances, Semiconductor Manufacturing, Packaging and Food Processing.**

Birk Mica heaters are designed for applications that require higher than normal watt densities and fast temperature recovery. Heaters can be formed to a curved surface or clamped directly to a flat plate. Mica heaters are designed for clamped applications making them ideal for hot plates and surfaces where direct contact is not an issue.

## **Custom Designs, Prototypes Fast**

Birk specializes in "engineered solutions", not ordinary products you can get elsewhere. Our design team thrives on developing innovative approaches to complex problems. Our continuing implementation of Lean Processes allows us to deliver prototypes in days or weeks, where others quote months. Each thermal system is custom designed to meet the specific requirements of each integrated circuit under test.

## **What Can Birk Do For You?**

**For more information visit [www.birkmfg.com](http://www.birkmfg.com), call 860.739.4170 or email [sales@birkmfg.com](mailto:sales@birkmfg.com).**