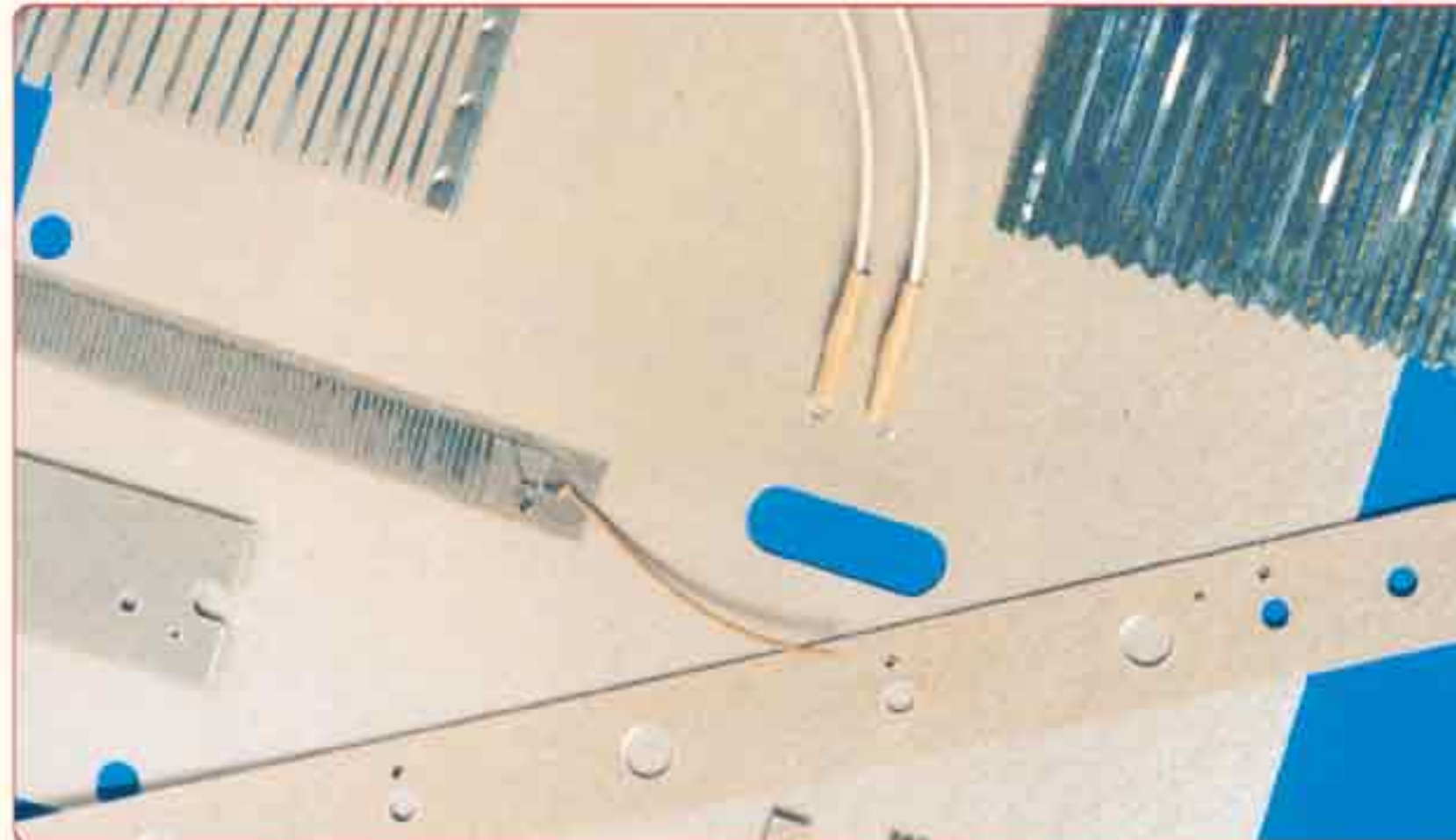




Custom Mica Surface Heaters



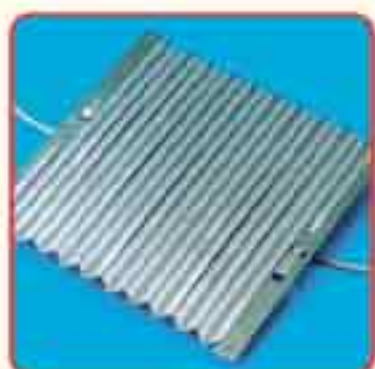
We develop and manufacture innovative custom heater solutions for clients who want to improve their product's performance, reliability and cost.

Mica surface heaters are great for temperatures up to 1200F. These heaters heat by conduction and need to be clamped tightly to the surfaces they are heating. We work with clients to recommend clamping / mounting arrangements which will maximize the excellent heat transfer efficiencies inherent in this product.

Mica surface heaters are designed to give most any desired temperature distribution.

By learning about your application we can develop heaters which will be optimal for it. Our cost effective custom heater solutions are tailored to deliver maximum advantages for each specific application.

Our custom product help create a Competitive Advantage for our clients. Some of the following examples illustrate uses and merits of these custom heaters.



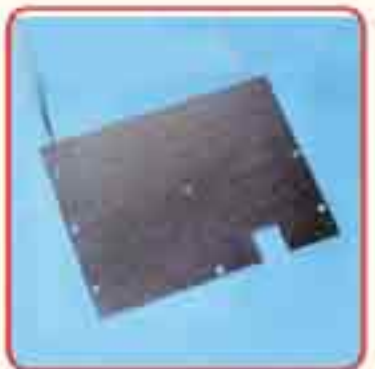
1. Heats a glass / ceramic surface - Clients needed surface temperatures of up to 1100F and very even heat. Our mica surface heater does this very effectively with long life and the most reasonable cost



2. Sealing Bar – replaces expensive machined block bored for cartridge heaters. Mica heater is profiled for very even heat distribution (+-5F) across entire bar. The thin mica heater is sandwiched and bolted between two plates.



3. Heat Transfer Presses – Thin mica heater clamped to an aluminum plate is profiled to give very even temperature distribution. We achieved a 50% improvement in temperature distribution over the cast in tubular heater originally used. Performance increased and cost was reduced about 40%.



4. Food Steaming Cabinet - intimate contact over 100% of the surface area assures heat transfer to the pan is very efficient and even with low heat losses. This mica heater replaces tubular heaters because it mounts with less cost, doesn't have hot spots, performs better and will give a long life.