TUTCONNECT

AUGUST 2022

TUTCO HEATING SOLUTIONS GROUP *Flexible Heaters*

Electronic & Semiconductor

Silicone and Polyimide Heat Solutions

Flexible heat solutions for electronic applications

TUTCO Farnam designs and manufactures silicone and polyimide heaters, as well as air heaters, for OEMs in the Electronics & Semiconductor Industry. Applications where our heaters are found include printed circuit boards, rework stations, fiber optic cable, semiconductor, IC testing, wafer drying, probing stations, plasma etch, appliances, and lab equipment.

TUTCO Farnam engineers and manufactures highly-customized OEM Flexible Heaters to meet each customer's thermal and environmental requirements. Our silicone rubber and polyimide heaters are durable industrial products with amazing properties. They are flexible, quick and highly precise heaters that transfer heat quickly and efficiently and can be produced in a wide variety of custom shapes, sizes and resistances. Flexible heaters are not affected by indexing vibrations, mechanical shock, or repeated movement. Silicone is very durable and will not stretch or tear easily. Polyimide heaters are ideally suited for electronic & semiconductor applications largely due to their excellent performance and dielectric strength.

Engineered for precision and built to last, TUTCO Farnam flexible heaters are made to order and can be custom designed for specific applications. Whether configured for a standard product or built for something purely custom, we've probably worked on a similar application. We have the ability to start with a prototype and ramp-up to 10,000 units per month, all within the same company.

LEARN MORE

Manufacturing and Testing

- Wafer Drying
- Printed Circuit Boards
- Rework Stations
- Board Fabrication
- Antistatic Air Guards
- Electronics Temperature Testing
- Load Banks
- Burn-in Testers
- Fiber Optic Cable
- Probing Stations

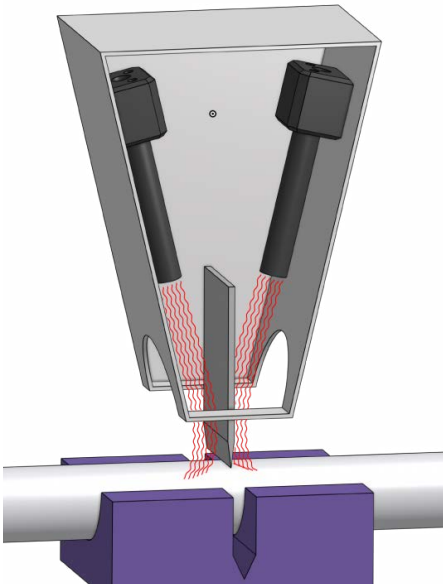
Climate Control

- Enclosures
- Dehumidification
- Freeze Protection
- De-ionizer
- Refrigeration

Products

- Security Cameras
- Electric Cars
- Turbines
- Lab Equipment

Designed for use with compressed or regenerative blowers, TUTCO SureHeat Closed-Loop Intelligent Process Heat Solutions come with built-in type K thermocouples to accurately measure temperature. Our custom solutions are designed for use with our TUTCO SureHeat Control Panels ensuring precise voltage control and overshoot protection.



Custom Solutions
Industrial Plastic Pipe Cutting

A TUTCO SureHeat customer wanted to use air heaters to improve their industrial plastic pipe cutting process. They were cutting large and small diameter length plastic pipe to specified lengths prior to additional manufacturing. The existing process involved cutting the pipe by hand which took a great deal of time and effort and posed a safety risk for the operators handling the knives. The goal was to cut production time and cost, as well as create a safer work environment. We developed a solution where 3,000 watt, 230V heaters were mounted in sets of two on the cutting station. The heaters were installed under a large shroud that when lowered by the operator, engaged the knives. Hot air is blown directly at the knives as well as indirectly at the piping. With the knives heated and the pipes warmed, cutting could be done quickly and easily. Safety concerns were also addressed as operators no longer directly handled the knives.

LEARN MORE

Feature Video
Scrambling an Egg with a Cool Touch™ Heater

One of TUTCO Farnam's design engineers scrambles an egg using a Cool Touch™ 200 heater. The highly efficient Cool Touch™ heat torch minimizes the skin temperature of the heater and helps protect people and products from hot surfaces. As you will see in the video, you can actually touch the side of the heater while it cooks the egg. The large thermal storage capacity is particularly useful if you have an application requiring intermittent use and rapid response. This Cool Touch™ option is available for a variety of our Heat Torch sizes.

WATCH THE VIDEO

SOUTHEAST
THERMAL SYSTEMS
WWW.SETHERMAL.COM SALES@SETHERMAL.COM phone: 704-399-4248