



## Custom Solutions

### *When a flexible heater doesn't need to be flexible*

When deciding on a heater, some buyers will contact us believing a specific heater is the perfect solution for their application. This is even true of flexible heaters. They may come to this conclusion based on a competitive analysis or their established perception of the heater's technology, but the reality is sometimes a flexible heater doesn't need to be flexible. While we can certainly help customers who have already decided which heater is best for their needs, the ideal approach for custom applications is to bring TUTCO into the conversation in its early stages. Provide us with the specifications of the project, including the envelope of space and what you would like to see happen in that space. With decades of experience, working on thousands of applications, the TUTCO team of engineers and heating professionals is going to bring all that knowledge and real-world experience to bear to ensure you achieve the most effective and efficient heating solution possible. In the case of flexible heaters, a silicone rubber heater may seem like the ideal solution but the reality is once you attach it to a piece of metal, it is no longer flexible. You need to ask yourself, does it need to be flexible? Would another heater, like a mica surface heater, make more sense? Like the flexible heater, it can have holes, and cutouts and be created in all kinds of shapes and sizes. It can have temperature sensors and cold zones built into it. It can have multiple heaters in the same footprint and achieve temperatures up to 1000° F. To learn more about the many possible solutions to your unique heating needs, contact TUTCO Farnam.

*TUTCO Farnam offers the very best in the design and engineering of custom heaters and heating elements. Our capabilities are ideally suited to meet demanding production schedules, and we are committed to keeping up with the constant changes occurring in manufacturing and product design. With over 2,000 unique heating element designs, chances are we have done something similar to your application.*

## The highly efficient Temperature Control Cube



TUTCO Farnam offers a number of thermal systems that typically include heaters, temperature sensors, blowers, thermal controls, pressure or flow switches, and other safety devices designed to meet the needs of specific applications. Our Control Cube™ series of control panels are specifically designed for the purpose of controlling highly efficient Farnam heaters. The combination of the Control Cube™ and our heater with a sensor provides a thermal system that delivers performance, reliability, and cost savings. The Control Cube™, which is compact in size, is preset to accurately control Farnam's line of inline heaters. An easy-to-follow Quick Start Guide allows you to complete the wiring and have your system fully operational in a few minutes. This economically priced control panel provides you with a complete heater power and process control system

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### FEATURES

**Compact Size** - The Control Cube™ can be mounted internally or externally of machine control cabinets.

**Multi-voltage Operation** - The control circuit automatically adjusts to the heater power voltage without adjusting internal jumpers or switches.

**Precise Control** - The digital PID controller, driving a solid state relay, provides quick and accurate control.

**Safe Operation** - The safety circuit provides positive heater power interruption with a safety contactor.

**Alarm Indication** - A bright red LED lamp illuminates if the alarm circuit is activated.

**Over Current Protection** - The on/off switch is a circuit breaker that will trip if the control panel amperage rating is exceeded.

**Field Selectable Temperature Sensor** - The temperature controller can be programmed for a variety of thermocouples or an RTD for temperature sensor input.

**Remote Interlock** - The terminal strip has connections in the safety circuit for additional safety switches like flow switches or emergency stops.

**Options** - A pulsing audible alarm and flashing pilot light is available.

### Feature Video

## TUTCO SureHeat's safe and efficient Triple Pass Heater



The Serpentine Triple Pass heaters are modular field replaceable air heater products commonly used in OEM applications. The popular air heater element consists of a versatile Serpentine coil that fits into a stainless steel "triple-pass" exchange housing and makes electrical connections through fittings pressed into the base. The housing uses the incoming air to cool the outer shell prior to passing through the heater element. This minimizes radiant heat loss and provides a safe to the touch product to minimize injury to operators who come in contact with the heater. Air is commonly supplied by compressed air supply lines.

[WATCH THE VIDEO](#)



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