



**SOUTHEAST
THERMAL SYSTEMS**

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TUTCONNECT

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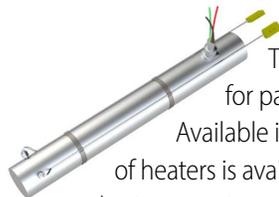


Packaging Heaters



The Ideal Heaters for Packaging Applications

The packaging industry needs a heat solution that can provide repeatable and reliable results over a long life span. We design and manufacture heaters for plastic packaging, drying, cup making, bag forming, filling, sealing, and many other packaging applications. Our heaters have been shown to increase line speed, reduce power consumption, and provide faster heat up and cool down than the competition.



TUTCO Farnam **Flow Torch™ Heaters** are highly efficient and ideal for packaging applications that require the heating of large airflows.

Available in several graduated sizes of the same platform, this family of heaters is available as a standard product with multiple options. Farnam offers application assistance so you can match the optimal heater to your requirements and needs. Control packages are available as well as pressure drop charts for quick comparison.



The **Heat Torch™** family of inline heaters are ideal for rapidly heating compressed air or any non-combustible gas. Industrial strength open-coil heating elements provide efficient heat transfer through direct heating element

contact with airflows. Rapid heater response time enables for precise output temperature control when these heaters are paired with off the shelf sensors and controllers. Robust design, high-quality materials, and workmanship provide long life and performance margin. We provide pressure testing for any of our Heat Torch™ products as an add-on service.



[LEARN MORE](#)

Applications

- Adhesive Activation
- Adhesive Forming
- Moisture Removal
- Dehumidification
- Product Air Drying
- Sterilizing
- Curing
- Blown Film Dies
- Food Packaging
- Glue Melting
- Heat Shrink Tunnel
- Laminating
- Sealing Bars
- Side Seal Air Heater
- Form, Fill, Seal Machines
- Thermoforming Extrusion
- Meat Packaging
- Medical Packaging
- Packaging Equipment

Custom Applications

TUTCO Farnam offers the very best in design and engineering of custom heaters and components.

[CUSTOM SOLUTIONS](#)



APPLICATIONS

- Staking
- Curing
- Drying
- Heat Shrinking
- Sterilization
- Adhesive Activation

SPECIFICATIONS

- Max Temp 1400°F (760°C) to 1600°F (871°C)
- Controller: Manual Voltage Regulator
- Tube Material: Clear Quartz
- Stainless Steel outer shields available

Minimizing Heater Element Failures:

- Always ensure air is flowing before powering the heating element
- Slowly regulate the ramp up time using the potentiometer to control AC voltage

Open-Loop (Manual) Control

This simple method of control uses a manually operated power controller to apply a fixed voltage to the heating element. Using this system, the operator manually adjusts the controller to change heater temperature. If the airflow is suddenly interrupted, the element could fail. This is a common and inexpensive controller and often used with simple single phase standard catalog products.

Feature Product

Open Loop Heaters and Their Applications

Series heaters are general purpose compact electric air heaters that use Serpentine™ heating elements within a Quartz open-end (Style A) or nozzle (Style B) for spot heating applications. The Series products are typically powered by open-loop (manual) power controllers. The air inlet is a high-temperature silicone rubber adapter with male spade power connectors and a ground. Mounting in existing or new equipment is easy using the grounding bracket. Air is typically supplied by compressed lines. *Click on images below for more details.*

SERIES I

SERIES II

SERIES III

Feature Video

Properly Installing a Flexible Heater with PSA



The proper installation of a flexible heater with PSA can be a simple process. In this video, we provide step-by-step best practices to ensure you install your heater correctly. Care should be taken not to bend, fold or crease the heater with the control liner attached. Ensure the heater and the surface it will be attached to are clean and free of any dirt or grease. Once you have carefully marked where the final heater will be installed, you are ready to pull back the first two inches of the release liner and begin your installation.

[CLICK TO WATCH VIDEO](#)



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