



Your Total Solution Provider
for Process Heating, Cooling
& Control Applications

Applied Thermal
PROCESS HEAT AND CONTROL

Heaters | Ovens | Controls | Sensors | Heating Cable | Chillers | SCRs | Control Panels

www.appliedthermal.com



Industries Served

- Food and Beverage
- Chemical
- Lab and Analytical
- Life Sciences
- Packaging
- Oil and Gas
- Semiconductor
- Pulp and Paper
- Power Generation
- Pharmaceutical
- HVAC
- Petro-Chemical
- Aerospace
- Transportation
- Industrial Machinery
- Alternative Energy
- Commercial Construction
- Water/Waste Treatment

Applied Thermal Systems

We're a leading manufacturers' representative specializing in process heating, cooling and control applications. For more than 30 years we've been serving both industrial and commercial customers throughout the greater Tennessee Valley area.

Experience: Applied Thermal Systems' sales engineers have over 90 years of industry experience—which means we know this business, and our customers, better than anyone.

Knowledge: Our factory-trained application specialists have a broad knowledge of process controls and electric heating and are always available for design and service assistance. In addition, we offer on-site educational training to give our customers even more product and application information.

Understanding: Our strong technical backgrounds allow us to appreciate your problems and anticipate your needs. We stand readily available to troubleshoot and assist in resolving problems and providing solutions.

Quick Response: Our complete inside staff, backed by a huge local stock of quality products, is geared to react quickly to even the most specialized needs. We are dedicated to supporting our customers before, during and after the sale.

Applied Thermal

PROCESS HEAT AND CONTROL

Sample Applications

- Heat tracing of water lines for freeze protection
- Tank and vessel heating with immersion heaters and heat transfer systems
- Inline heating of liquids and gases
- Boilers and steam generators for process heating and humidification , 3KW to 2MW+
- Heat tracing of high temperature process lines
- Heating of platens, presses and rollers
- Drying , Tempering and Curing product in batch or continuous ovens
- Steam superheating
- Heat tracing of domestic hot water lines
- Heat trace freezer floors for frost prevention
- Dehumidification of commercial and industrial process areas
- Temperature and power control for industrial production lines
- Contact and non-contact temperature measurement
- Thermal imaging of industrial processes
- Cooling for industrial process applications
- Heat Tracing for snow and ice melting in slabs and gutters
- Burn off ovens for coating removal and part reclamation
- Radiant heating for industrial processes or commercial comfort



Cartridge &
Tubular Elements



Heat Trace
& Accessories

Strip &
Ring Heaters



Heated Jackets
& Blankets



Comfort
Heaters



High Temp
Heat Tapes

Immersion
Heaters



SCR Power
Controllers



Circulation
Heaters



Ovens

Flexible
Heaters



Custom Built
Power Controls



Temperature
Controllers &
Sensors



Furnaces

Band
Heaters



Industrial
Process Chillers



Manufacturers Represented



Chromalox[®] PRECISION HEAT AND CONTROL

Strip, Cartridge and Band Heaters, Heat Trace, Flanged and Screw Plug Immersion Heaters, Circulation Heaters, Duct Heaters, Radiant Heaters, SCR Power Controls, Temperature Controls, Boilers, Heat Transfer Systems, Control Panels

HTS/Amptek

Custom Heating Jackets and Blankets

ATS State Air Technology Systems, Inc.

Commercial and Industrial Dehumidification Systems

ITS International Thermal Systems LLC

Custom Ovens and Furnaces

PETRO-CANADA

High-Performance Heat Transfer Fluid

GRIEVE

Lab Ovens, Bench Top Ovens, Furnaces, Conveyor & Walk-In Ovens

rite-temp water chillers

Industrial Process Water Chillers, Vertical and Horizontal Systems

optris **UE** MICRO-EPSILON

High-Precision Sensors, Measuring Instruments and Systems, Distance, Position and Profile IR Sensors

GUSPRO Since 1912

Burn-Off Ovens

PROTHERM[™]

Special Application Infra-Red Ovens, Thermo-Forming Ovens

OGDEN

Temperature Controls, Band Heaters, Cartridge Heaters, Strip Heaters

Applied Thermal PROCESS HEAT AND CONTROL

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