

[www.therm-xofcalifornia.com](http://www.therm-xofcalifornia.com)

**AS9100 ISO 9001:2000  
Certified**

*The Temperature Specialists*  
**THERM-X**  
OF CALIFORNIA

Signal Conditioners

Heater Design

Control Systems

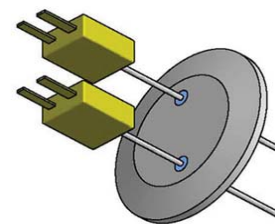
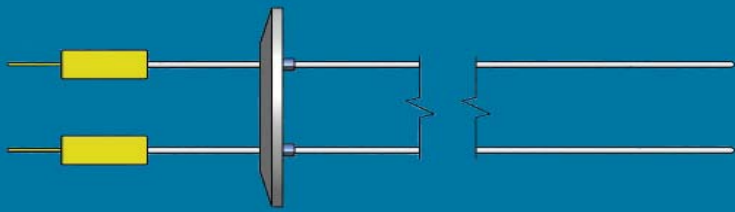
Calibration

Sensor Design

Furnace Brazing

1-800-9-THERM-X





Therm-x of California Inc. is proud to announce certification of its Quality Management System (QMS) to the **AS9100 and ISO 9001:2000** industry quality standards by SGS SSC registrars

Specializing in thermal processes since 1983. Therm-x manufactures specialized products for industrial temperature measurement and control including; vacuum and hydrogen furnace brazing, thermocouples, wafer and chuck heaters, temperature and UL 508 control systems.

Our State of the art facility located in Hayward CA has capabilities to manufacture and validate your thermal requirement with in-house capabilities including; 3-D drafting and modeling, thermal modeling, thermal imaging, CNC machining, vacuum-hydrogen furnace brazing, TIG welding of stainless and aluminum, clean room assembly and mass spectrometer leak detection.

## Brazing and Welding

Furnace brazing; Hydrogen and Vacuum atmosphere specializing in Ultra High Vacuum assemblies used in Semiconductor, Microwave and X-Ray Industries.

### Process Capabilities

- Vacuum Furnace Brazing
- Hydrogen Furnace Brazing
- Torch Brazing
- Induction Brazing
- TIG Welding
- Helium Leak Testing



Hydrogen Vacuum Furnace

### Products

- RF Windows
- Electron Guns
- High Voltage Seals
- Klystrons
- Traveling Wave Tubes (TWT)
- Wave Guides
- Couplers
- Ion Pumps
- Feed-Thru Assemblies
- Collectors
- Tuners
- RF Loads
- Vacuum Relays



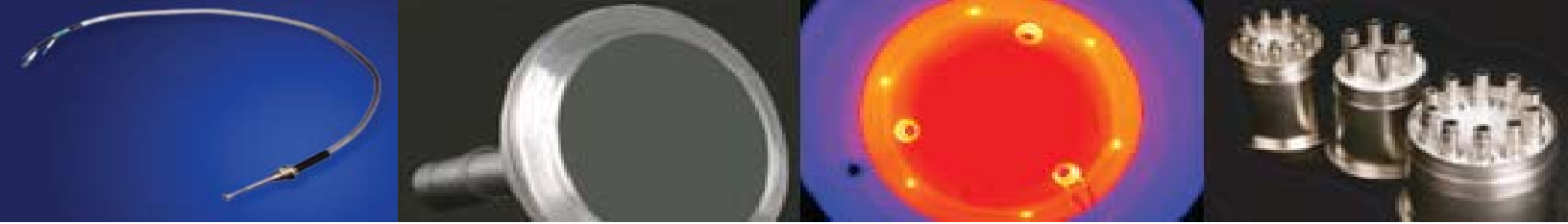
Vacuum and Hydrogen Braze Furnaces for Stainless and Aluminum



Ceramic to Metal Brazed Vacuum Feedthrough Assembly



Tungsten inert Gas Welding of Stainless and Aluminum



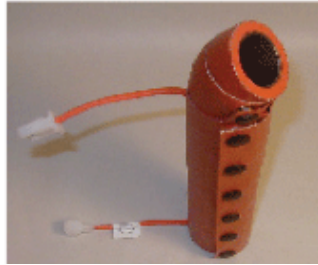
## Heaters and Thermocouples



Thermocouples  
RTDs  
Thermistors



Aluminum Chamber heater for  
Semiconductor Processing



Gas-Line heaters and Flex  
heaters



Kapton Bonded heaters



Multi-Zone Temperature Controller

## Turnkey Assembly

Therm-x specializes in Electromechanical and Cleanroom Assembly of Temperature, Process and Power Controls. We build to print as well as offer design assistance of all electromechanical assemblies including Cable harness, RF filter and RF Coil assemblies. Our years of experience with temperature measurement, control and validation sets us apart from the competition.



Cleanroom Assembly and Test

## Core Competencies

- Heater Manufacturing
- Thermocouple Manufacturing
- Control System, Assembly UL 508 Certified
- Hit Pot & Meg Ohm in ambient and Vacuum
- CNC Machining
- Electrical Test and validation
- Thermal Modeling
- Thermal Imaging
- Vacuum, Hydrogen Furnace Brazing
- Tig Welding
- Clean Room Assembly

## CNC Machining



CNC Horizontal Mill and Lathe



**Engineering Support**



**Manufacture**

**Therm-x manufactures custom heating solutions**



**Validate**

**Therm-x provides quick delivery of standard product**

- |               |                   |
|---------------|-------------------|
| Thermocouples | Controllers       |
| Connectors    | Thermocouple wire |
| Recorders     | Calibrators       |
| Heaters       | Indicators        |

**From the Industry Leaders**

- |           |   |
|-----------|---|
| Watlow    | electric heaters, controls and sensors      |
| Newport   | digital panel meters, thermocouple hardware |
| YSI       | precision thermisors                        |
| Fluke     | calibrators and digital test equipment      |
| Fuji      | electric controllers and recorders          |
| Raytek    | IR sensors                                  |
| Digisense | handheld meters and benchtop controllers    |
| Partlow   | chart recorders                             |

**Let Therm-x be your partner for Cost Reduction with our Strategic Partner - *Therm-x SVT* in Vietnam**

- Call us for outsourcing of volume manufacturing;
- Electromechanical Assemblies
- Control panels
- Machined parts
- Sensors



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Specifications and prices subject to change without notice



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