

Engineered Industrial Heating Solutions for You

Welcome to Tempco



Heating Elements • Controls • Sensors

TEMPCO

Our Specialty - High Quality, Custom Designed Heaters in Small & Midsize Volumes

“Thermal Component Products & Systems”



Electric
Heating
Elements



Temperature
Sensors



Temperature
Controllers &
Panels



Process
Heating
Systems

Heating Elements • Controls • Sensors

Over 50 Years of Heater Expertise

Founded in 1972

2 Manufacturing Facilities

Made In USA

Serve Multiple Industries Worldwide



CREATE



ENGINEER

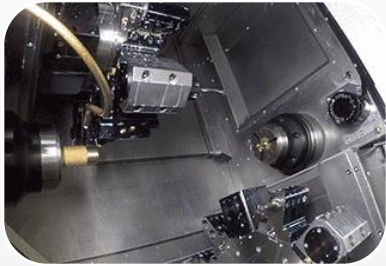


DESIGN

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Manufacturing Capabilities



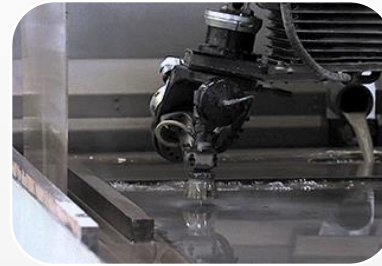
CNC Lathes

- Produce custom fittings



CNC Machine Shop

- Precision machining
- Repeatable Accuracy



Waterjet Cutting

- Cut Custom Designs
- Panels, band heaters, plates & more



In-House Welding



Aluminum, Brass & Bronze Foundry



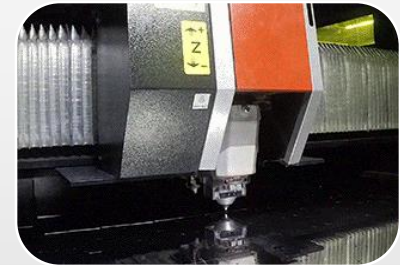
Pattern Shop

- Make casings with no bake sand molds



UL Certified Panel Shop

- Control panels built and certified in-house



Sheet Metal Shop

- Lasers, Modern Brakes & Turret Press

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Look Around Our Facilities



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Working with Tempco

Advantages

- ◎ Industry Recognized Quality
- ◎ Widest Product Offering in Industry
- ◎ OEM trusted performance & reliability
- ◎ ISO 9001-2015
- ◎ Products designed to:
 - Increase component life
 - Lower maintenance costs
 - Custom fit your application
 - Be energy efficient

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The Tempco Difference

Semi-finished
stock

Custom heaters

Specialize In Small
to Medium Runs

Expedite Orders

On-line inventory
viewer

Order-Tracker

Customer
Samples

Web based
Quoting/Ordering

Media Support

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Tempco's 13 Major Custom Product Categories

- ◎ Band Heaters
- ◎ Cartridge Heaters
- ◎ Cast-in Heaters
- ◎ Coil & Cable Heaters
- ◎ Infrared Heater
- ◎ Strip Heaters
- ◎ Flexible Heaters
- ◎ Tubular Heaters
- ◎ Process Heaters
- ◎ Instrumentation
- ◎ Temperature Control
- ◎ Temperature Sensors
- ◎ Accessories

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Band Heaters

- Heat Cylindrical Surfaces
- Available in Many Styles
- Can Fit Cone, Hexagon, Ring, Square and Rectangle Surfaces Too
- Max Sheath Temps Up to 1400°F

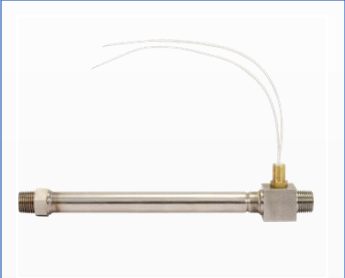


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Cartridge Heaters

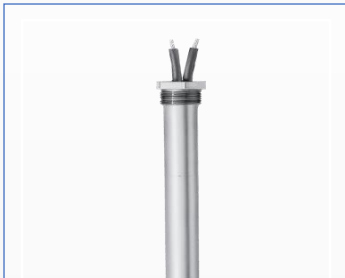
- Heat Platens & Molds
- Use as Liquid Immersion Heater
- Insert into Drilled Holes
- High Watt Density; Temps to 1400°F



Air



Bolt Heaters



Immersion



Runnerless Molding



Underwater
Pelletizer Die Heater

Cast-In Heaters

Heater Designs

L Shaped

Circulation

Cylindrical

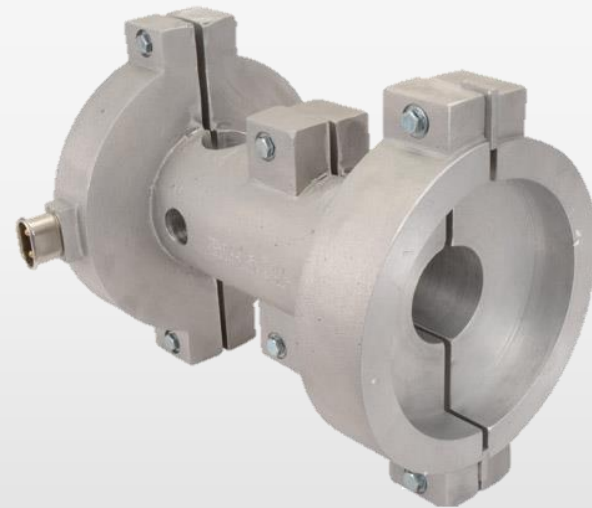
Ring

Shroud

Thermo-Platen

Custom Design

- Choose Aluminum or Bronze
- Highly Customizable
- Used In:
 - Food warming
 - Semiconductor Manufacturing
 - Plastics Processing



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Flexible Heaters

Use Where Space Is Limited

Performs Under Many Adverse Conditions

Lightweight

Sizes Up To 36" x 144"

Max Temperature 400°



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Infrared Heaters

- Deliver Heat to Concentrated Areas
- Heats Quickly
- Use Individually or as an Array
- Vibration Resistant Available
- Mount Horizontal or Vertical
- Short to Long Range Frequencies



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Strip Heaters

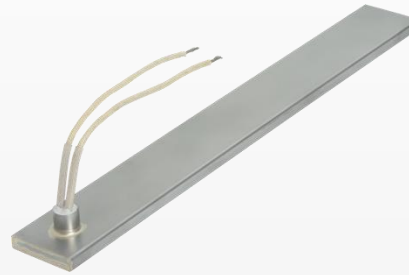
Max Sheath Temperature 1200°

Can operate in Clean or Contaminated Environment

Common Applications

- Tank Heating
- Industrial Ovens
- Air Heating
- Warmers
- Melting
- Molds
- Thermoforming

Channel



Finned Channel



Maxistrip



Mica Insulated



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Tubular Heaters

Form Into Virtually Any Shape

Many Diameters, Lengths & Sheaths

Braze or Weld to Metal Surfaces

Can be Finned



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Coil & Cable Heaters

- Fits Many Shapes
 - Coil
 - Form
 - Straight
 - Cylindrical
- Cast Into Metal
- Weld to Metal
- 1800° Max Sheath Temp



Applications

Barrel Heating
Nozzle Heating
Runnerless Molding

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Process Heaters

Designed to Fit Your Manufacturing Process



Circulation



Duct



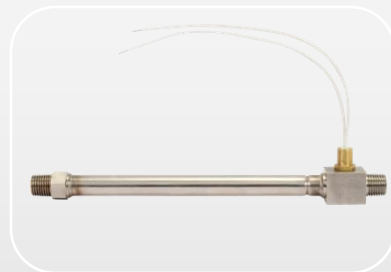
Enclosure



Flanged
Immersion



Flanged
Aluminum Finned



In-Line Forced



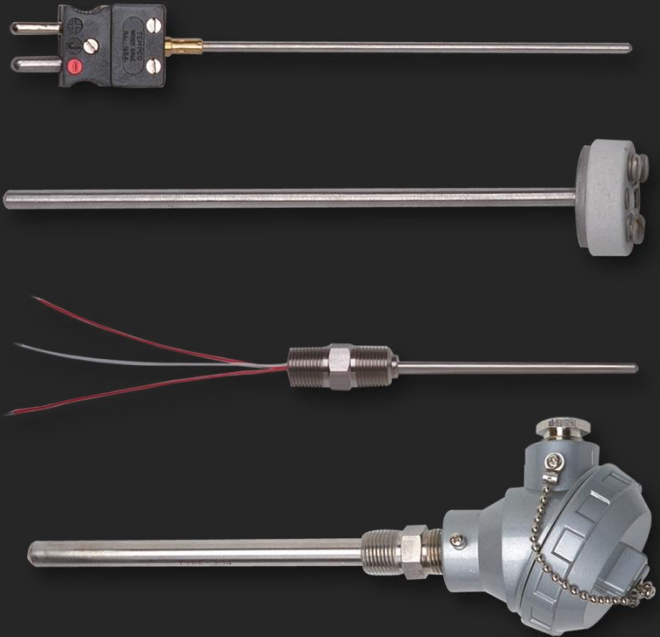
Pressure Rated
Flanged



Screw Plug
Immersion

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Temperature Sensors



Thermocouples

Mineral Insulated
Multipoint
Base & Nobel
Metals



RTD's

Accu-ohm
Sanitary
Melt Bolt



Thermistors



Sensor Accessories

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Temperature Controls

- Available in Most Popular Din Sizes
- Customizations:
 - Alarms
 - Communication
 - Various Input/Output
- Meets NFPA/IEC Standards for Warning Light Color



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Temperature Controls

- SCR Power Controls
- Thermostats
- Relays



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cULus Certified Panel Shop

- UL508A
- UL698A
- UL1203



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Turnkey Process Heating Systems

Complete thermal loop systems used for processing air, gasses, steam, oils, water and other liquid solutions.



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Questions?

Feel Free to Contact Us!

From your Friends at Tempco

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