

- > Industrial Heating Element
- > Temperature Sensors
- > Thermal Overload Protector

Our Vision

"Our vision is to provide solution to industry by our quality products."

Our Mission

"Our deepest purpose as a company is to provide solutions to industrial needs through our quality products and innovation"

Industries we serve :-

- Plastic Industry
- Rubber Industry
- > Textile Industry
- > Food Industry
- Packaging Industry
- > Industrial Drying
- Powder Coating
- Paper Industry
- Oven Manufacturing
- Chemical Industry
- Electroplating
- Oil Industry
- ➤ Water Treatment
- Petrochemical Industry

❖ Band Heaters





Mica Band Heater :-

Mica Band heaters are efficient and economical solutions to the heating requirements of many applications. Mica Band heaters can attain a maximum sheath temperature of 900°F, but with different electrical termination styles, clamping mechanisms, and ability to accommodate holes and cutouts, mica band heaters are successfully used in many applications, but are mostly sought for in the plastics industry. The Mica Band Heaters made by us utilizes different types of Top Grade Mica. The thickness of each mica layer is carefully selected in order to balance between the insulating characteristics of mica and the ease of heat transfer from the heating core to the machine barrel.

Ceramic Band Heater :-

Our Ceramic Band Heaters were developed to meet industrial requirements for high temperature long lasting heaters. They are ideally suited to comply with today's new resins, which calls for ever-increasing process temperatures. An additional advantage of the Ceramic Band Heater is that they transfer heat through conduction and radiation. This makes their tightness or barrels less critical; thus they are less prone to thermal expansion problems. Theoretically, there are no restrictions on the diameter that ceramic band heaters can attain.

Cartridge Heaters





Low & Medium Density Cartridge Heater :-

Our Low & Medium Density Cartridge Heater is developed for heating applications not requiring high watt densities and sheath temperatures not exceeding 300°C. These Cartridge Heating Elements are designed in maximum watt densities of 30 to 45 watts per square inch depending on applications. Such a Cartridge Heating Elements of various sheath diameters can be used in any assembly, equipment or machine. The Low & Medium Density Cartridge Heater can be absolutely customized to suit customer's needs. Such Cartridge Heating Elements can be an economical option for customers not requiring high process temp..

→ High Density Cartridge Heater :-

Our High Density Cartridge Heater can be considered "Component Heaters" that are used to heat up many different applications. Primarily used in moulds, dies & sealing bars, this Cartridge Heating Element fit snug inside a cavity and helps heat solids by reaching high temperatures. High Density Cartridge Heater has the versatility of being able to carry thermocouple inside to help control temperatures of the heater more accurately. Various diameters allow for the Cartridge Heating Element to be used in any cavity and can be custom designed with any cold section. Lead wires extend from the end to your controls.

Strip Heaters





Mica Strip Heater Heater :-

Our Strip heaters, often considered component heaters, are a simple way of using surface area to transfer heat effectively. A fairly inexpensive way of heating surfaces or small areas, strip heaters are an excellent solution to meet any budget. If strip heaters are used as a radiant heater. Strip heater Heat up time is fast to provide a quick response to control input. The Mica insulation also withstands high voltage temperatures, resist moisture, and remain immune to most chemicals. The Aluminized Steel sheath is rust resistant, durably rigid, and generates heat well

> Finned Strip Air Heater :-

Our Finned Strip Heaters are used for both forced (mounted in a duct) and natural convection air heating (mounted at the bottom of cabinet type ovens). Fins increase the heat transfer surface area to allow higher wattages than standard Strip Heaters. These are intended to be operated with a substantial airflow and are typically used in heating tunnels, dryers or any application that requires a hot air source. Finned strip heaters, often considered component heaters, are an electric heating element that maximizes heat intensity and transfer effectively in an area.

Tubular Heaters





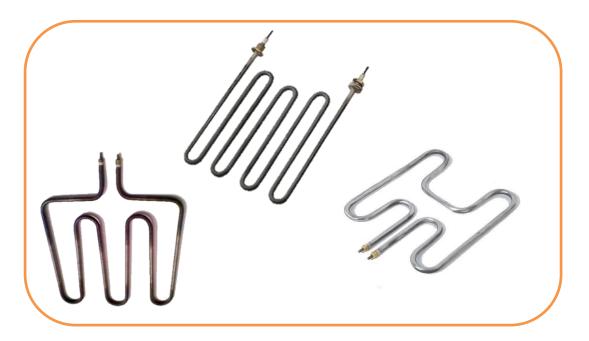
> Tubular Heater :-

Our versatile Tubular Heaters are custom-formed in a wide variety of shapes to correspond to your requirements. Tubular heaters can be used in almost any application. Straight Tubular Heaters can be clamped to metal surfaces or inserted in machined grooves for conductive heat transfer. Or use a formed Tubular to provide consistent heat in any type of special application. Tubular Heaters may be clamped, immersed in liquids, cast into metal or spaced away from the work as radiant heaters. They may also be positioned in ducts or vessels for heating air or other gases. Tubular Heaters of proper rating, material and shape can be used in most heating applications requiring process temperatures up to 750o C (1382o F).

> Finned Tubular Air Heater :-

Our Finned tubular heater are the most common type of heating elements used for heating air and other gases. The fins along the tubular length assist in even heat dissipation. All elements have mild steel fins copper brazed to the tubular heating element sheath unless otherwise specified. Duct heaters use fin tubular elements within its design to help reduce the watt density. It also allows for more consistent air flow streams within the duct and increases the life longevity of the elements. In applications where tubular heaters are exposed to forced convection, placing fins around tubular heaters increases their surface area and thus improves their heat transferring capacity.





> Coil Heater :-

It is a high performance heater used in various applications like Blow Molding Machine, Extrusion Machine, Hot Runner System, Injection Molding Machine, Thermoforming Machine. This heater is capable of taking shape as per the requirement of Application. Coil Heater have total flexibility in the distribution of heating density on the whole surface of the heated body.

To ensure that the standard 1000 mm PTFE-insulated connection cable can be positioned at one end, despite the standard two-ended connection of the element, in most cases the Coil Heater is formed into a hairpin shape and wound in a parallel format.

Manifold Heater :-

Our Manifold Tubular Heating Elements provide for an economical, robust, and versatile heat source. These elements are commonly used to fit into milled grooves for hot runner molding systems. The precision fit optimizes heat transfer to the working surface. Our skilled benders and specialized bending equipment allow us to bend complex shapes. The Manifold Tubular Heating Elements are Custom Designed. The helically wound heating element is made out of high temperature resistance NiCr wire. This element is being insulated with high temperature grade Magnesium Oxide Powder. As the Heaters are swaged and annealed at high sheath temperatures, they carry excellent electrical insulation and high heat transfer rate.



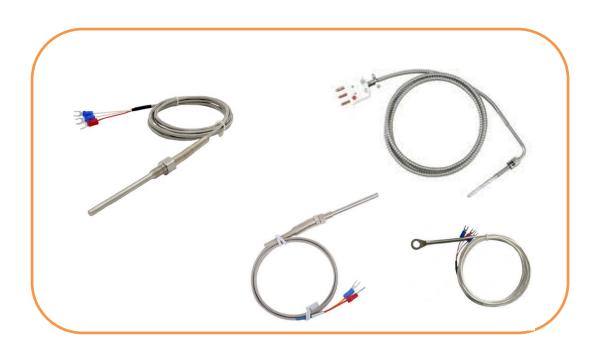


Immersion Heater:-

Our Immersion heaters are a fast and efficient way of heating up various liquid solutions in processing equipment, large tanks and containers in many industries. Heating up liquids using direct heat transfer allows for the liquid medium to quickly reach the desired temperature using electric heaters. This application is commonly used in chemical processes, large petrochemical containers as well as large water containers that require fast heat up time. With minimal maintenance requirements, immersion heaters are an excellent solution to rapid heating in almost any industrial environment.

Porcelain/Bobbin Heater:-

Manufactured from high temperature bearing insulators, Our Bobbin/ Porcelain Heaters offered are used in various industries. The Antique Porcelain Heater contains elements that are exposed partially in air for better transmission of heat. Porcelain Heater is extensively used in ovens, tanks where draining cannot be done to change the heaters. The Porcelain Heaters offered by us are known for their high precision, performance and durability. Porcelain Heater is constructed using several refractory ceramic blocks assembled together to the required length. The Nichrome wire heating element is inserted into the ceramic blocks, with a terminal block at one end.





> Thermocouples And RTD Sensors

We produce top of the line temperature sensing devices also known as Thermocouples. A thermocouple is a sensor for measuring temperature. It consists of two dissimilar metals, joined together at one end. When the junction of the two metals is heated or cooled a voltage is produced that can interpreted by a temperature controller, high limit or display device. There are two common constructions for these: Tube and Wire and Mineral Insulated. The tube and wire uses an empty stainless tube with a wire inside which has a welded tip incorporating the wire junction. This construction is typically used to 480°C. The Mineral Insulated construction uses a highly compacted stainless sheath with solid conductors encased in magnesium oxide insulation. This construction offers a wider variety of diameters, allows for the sensors to be bent in the field and for temperatures to 1200°C. These sensors are available is a huge range of physical packages with a variety of lead wire, housing, and mounting options.





> Thermal Overload Protectors

We are leading supplier for Thermal Overload Protectors or Thermal Fuses that is highly admired across the market. We have thermal fuses ranging from 50 – 150 Degree Celsius.



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