

Thermodex™

Heating Elements



MANUFACTURER : ALL KINDS OF INDUSTRIAL HEATERS, COOLING FAN & THERMOCOUPLES

**Innovation That
EXCEEDS EXPECTATIONS**



An iso 9001:2015 Certified Co.



For a Greener Tomorrow
Sustainable by Conscience



PROUDLY MADE IN INDIA

Company Profile

Ever since our formation in 1996, we at THERMODEX have come a long way in becoming one of the most valued names in the Heating manufacturing industry across India.

Much like the evolution itself, we have only moved forward with each passing year by manufacturing and dealing of a wide range of heaters, cooling fans and temperature controller products for our esteemed clients. With the ever growing competition in the market of heaters, we have successfully managed to significantly expand our horizons through continuous supply of innovative solutions in the industry. But that's not it! In the past few years, our capabilities have also expanded well enough to dominate almost all the industrial sectors of the country.

With our resourcefulness and mindset of maintaining international quality standards in our manufacturing, we create pioneering designs which also lead the way to cost efficient and power saving technological products for our customers. We are one of India's fastest growing heater manufacturers and cooling fan dealers, and with our team of technically sound dedicated engineers and state-of-the-art machinery, we take great pride in informing you that THERMODEX HEATERS have also achieved certification under the ISO 9001 - 2015.

Why Us ?

- Trusted Quality & State Of The Art Infrastructure.
- On Time Delivery.
- Experience Professionals.
- Wide Market Reach.
- Unmatched After-sales Support And Customer Service.
- Tremendous Working Capability.
- Our Work Culture Motivates Innovative Ideas.

The image shows a UDYAM Registration Certificate for THERMODEX HEATING ELEMENTS. The certificate is issued by the Government of India, Ministry of Micro, Small and Medium Enterprises. It includes details such as the UDYAM Registration Number (UDYAM-UP-29-0022902), the name of the enterprise, the type of enterprise (Micro), and the date of registration (14/04/2021). The certificate also lists the major activity (Manufacturing) and the social category of the entrepreneur (General). The official address of the enterprise is provided, along with the date of incorporation and the date of commencement of production/business. The certificate is signed by the District Industries Centre (DIC) and the MSME-DFO. A QR code is also present for verification.

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CERAMIC BAND HEATERS

- Thermodex's Ceramic Band Heaters are versatile & widely used throughout the industry.
- Especially to heat the cylinders (barrels) on all types of plastic(s) processing machinery.
- Higher watt densities provide higher operating temperatures.
- Maximum sheath temperature up to 800° C
- Maximum watt density = 50 watts/square inches.
- By the use of higher temperatures, faster shot sequence is possible.
- Uses special ceramic material "steatite" with high thermal conductivity.



Save Power
upto

40%



CERAMIC POWER SAVER HEATER

- Ceramic Jacketed Heaters are Thermodex premium product since three decades.
- Especially used to heat the cylinders (barrels) on all types of plastic (s) processing machinery.
- The key to the ceramic - jacketed heaters is its superior design to save power.
- Outer insulation jacket conserves energy.
- Up to 40% of power consumption reduces.
- Maximum watt density = 50 Watts/square inches.
- Note: In case where high watt densities are required, it is important that all heaters should be used with appropriate, approved and precise temperature control/sensor device(s).
- Maximum sheath temperature up to 800°C.
- Use of special ceramic material "steatite" with high thermal conductivity.
- The model is designed & constructed with special effective dual insulation which reduces the rate of heat radiation/loss, resulting in swift rise in the temperatures of the object to be heated.
- Uniform Heat distribution throughout the barrel.
- Reduction of thermal shocks on polymer melt, resulting in improved quality.
- Good shine of your finished products.
- Increases productivity.
- Ceramic Jacketed heaters meet progressive requirements of the plastic processors.

MICA BAND HEATERS

- Thermodex Mica Band Heaters are widely used to heat the molds, dies, and especially to heat the cylinders (barrels) on all types of plastic(s) processing machinery.
- The mica heater is most economic.
- It provides excellent thermal conductivity as heat transfer is by "conduction".
- Due to its heat transfer capability, faster heating up & cooling down is possible.
- Maximum sheath temperature upto 450°C.



CASTING HEATERS

- High operating temperatures.
- Liquid cooling or air-cooling fins.
- Any size or shape available.
- Pressure casting ensures porosity free high density casting.
- Extremely ruled and resistant to damage.
- Precise and accurate control of temperature due to heat cool action.
- High Watt densities available.



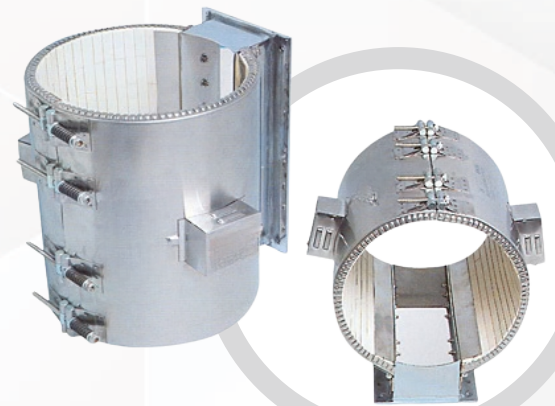
HIGH-DENSITY CARTRIDGE HEATERS

- Widely used to heat the plastic injection molds, dies, hot plates, platens & many more applications.
- Designed for High watt density.
- The use of high purity MgO insulation assures high dielectric strength & fast heat transfer efficiency.
- Swaging increases thermal conductivity and uniform heating.
- Shock and vibration resistant.
- Available also with built in thermocouple.
- They are economical & versatile.
- A full range of sizes are readily available from stock.



CERAMIC FLANGE HEATERS

- This is an advanced version of perforated ceramic heaters. This works on a principle of forced convection for quicker response to overheating and accurately controls temperature of barrel.
- **MOUNTING ARRANGEMENT:** Separate blower is fitted on the bottom of the flange of heater. Heater along with blower is mounted on an aluminum perforated ring which in turn, is mounted on barrel. Aluminum ring provide air distribution channel.
- **FUNCTION:** As soon as barrel exceeds set temperature, blower is turned on. Excess heat from barrel is carried away by the air through forced convection. Via rapid heat up and accelerated cool down feature, it responds very quickly in case of even a minute deviation from set temperature. Thus it reduces thermal shocks, material burn-out problem and maintenance related problems.



NANO INFRARED BAND HEATER

- Saves 30-50% on energy consumption.
- Can be used as a replacement for pipe clamps/ceramic pipe clamps/aluminum cast heaters.
- Easy to install and use, durable, and has a longer lifespan.
- It heats up faster than conventional heaters.
- It has thermal insulation, prevents contact, and maintains heat temperature, preventing heat energy loss from the inside.
- A cooling fan connection point can be installed for use with a heat and cool temperature control system.
- It emits infrared radiant heat energy of 3-10 μm , which is suitable for almost all objects to absorb heat.



COIL HEATERS



TUBULAR HEATERS



THERMOCOUPLES



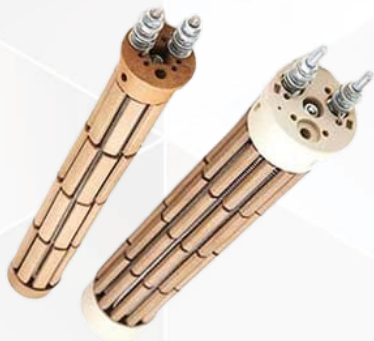
THERMOCOUPLE CONNECTORS & ADAPTERS



BLOWER AND BLOWER COVER



PORCELAIN HEATERS



MANIFOLD FLEXIBLE HEATERS



INFRARED HEATERS



ACCESSORIES



GLASS WIRE



AXIAL FAN



PANEL FAN



PID CONTROLLER



CERAMIC CONNECTOR



PANEL FAN

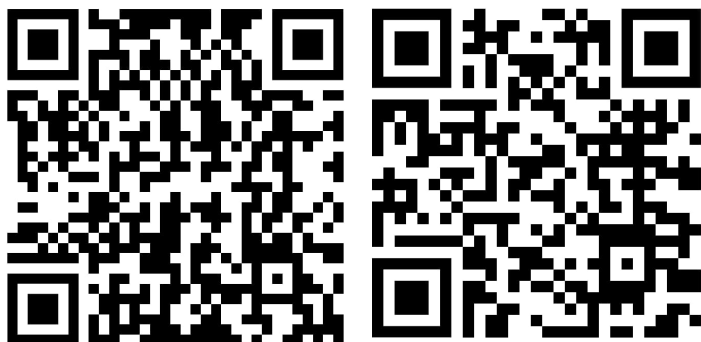


RELAY



INDUSTRIAL HEATERS

- CERAMIC HEATERS
- CERAMIC POWER SAVING HEATERS (UPTO 40% POWER SAVER)
- CERAMIC FLANGE HEATERS
- PERFORATED CERAMIC HEATERS
- HEAT COOL COMBINATION HEATERS
- MICA INSULATED BAND & STRIP HEATERS
- SEALED BRASS NOZZLE HEATERS
- HIGH WATT DENSITY CARTRIDGE HEATERS
- COIL & FLEXIBLE HEATERS FOR HOT RUNNER MOULDS
- CASTING HEATERS
- SILICON FLEXIBLE HEATERS
- INFRARED HEATERS
- TUBULAR HEATERS AND THERMOCOUPLES



INDIAMART



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Applications

- PLASTIC PROCESSING MACHINERY
- INJECTION MOULDING MACHINES
- BLOW MOULDING MACHINES
- PLASTICS EXTRUDERS & EXTRUSION DIES
- CYLINDER HEATING APPLICATIONS
- HOT RUNNER MOULDS FOR PLASTIC INDUSTRY
- PACKAGING EQUIPMENT
- HOT PLATES & OVENS
- CHEMICAL INDUSTRY
- RUBBER INDUSTRY
- PHARMACEUTICALS INDUSTRY



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