



COMPANY PROFILE



**WE PRODUCE HEATING
ELEMENTS IN 3 CONTINENTS.
WE HAVE AN EXTENSIVE
SALES NETWORK IN OVER
40 COUNTRIES.
WE WORK PASSIONATELY
TO ENSURE THAT OUR
KNOW-HOW AND WARMTH
ARE ACCESSIBLE IN EVERY
CORNER OF THE WORLD.**

WE BELIEVE IN HUMAN RELATIONS.

We believe in the warmth of human relations, looking at each other face-to-face, and a handshake. That's why we imagine **a future in which we will be even closer to our partners**, literally by their side to share projects and face challenges.

Let's imagine a future where we will offer the world our **precision** and **attention to detail** together with the **creative drive** that has always inspired us and distinguished our Italian spirit.

Let's imagine a future where it will be easier and easier to design tailored products, created specifically for our customers, with increasingly advanced and high performance technologies.

We work every day to make this happen. In other words: **so that our know-how and warmth are accessible in every corner of the world.**



WE PRODUCE HEATING ELEMENTS IN **3 CONTINENTS**

Since 2005, we have been producing reliable and efficient **heating elements**, the expression of consolidated know-how and of all-Italian attention to detail. Thanks to a strong and efficient sales network and international quality certifications, we distribute our products in more than 40 countries. We have developed **one of the most varied catalogues on the market** in terms of sizes, shapes, powers and application areas, with a direct presence in 3 continents. In addition to **2 offices in Italy**, since 2020 we have acquired an office in **North America** and, in 2021, one in the **United Arab Emirates**, further expanding our expertise. Our direct foreign presence has also given us a competitive advantage in terms of **customer service**, as it has now become much easier to adapt our product range to the standards required in these countries.



**Durable, reliable,
efficient.**

Efficiency and organization allow us to produce quickly and shorten delivery times, while maintaining very high quality standards. What distinguishes each **Calorflex product** is that it **has been designed to last, to be reliable and easy to use**: characteristics that have been made possible thanks to in-depth and international know-how.

Custom projects.

Our differentiator is our **flexibility**: we always listen to the customer's needs and try to adapt our products to their expectations, or to find the right solution for them. Alongside our standard ranges we also offer custom products, **designed and conceived specifically for a particular customer** or for a unique project. They have specific features that help to solve problems and improve performance within each customer's budget.



A GLOBAL GROUP WITH MORE PRODUCTS, CLOSER AND MORE EFFICIENT.

CALORFLEX SRL ITALY

The parent company, in **Negrisia di Ponte di Piave** (TV), has an iconic and individual architecture, an expression of the Italian love for beauty. **The design of the building is so distinctive that it has become part of the brand identity.** At Calorflex Italy we produce heating cables and heating elements of various types: tubular, flexible and cartridge, which can be applied in many sectors.

CALORFLEX SRL

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CALORFLEX NORTH AMERICA

It has been part of the group since 2020 and is located in **Stoney Creek, Ontario, Canada.** It is our North American distribution base, but **also an independent manufacturing facility.** In particular, it owns **ElectroTex Element Corporation and Warm Pro**, two brands that have been the reference point for over 40 years in the production of heating elements for heating and maintaining liquid and viscous materials even in **extreme climatic conditions.**

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C DESIGN SRL

Founded in 2010, in **Negrisia di Ponte di Piave** (TV), for producing cutting edge products, as we wanted to go further and **explore new frontiers and design specific technologies for niche sectors, such as aerospace and telecommunications.** It is a vibrant company in our Group, where the R&D department works every day to produce increasingly reliable, safe and efficient products.

C DESIGN SRL

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CALORFLEX HEI INDUSTRIES L.L.C.

It joined the group in 2022 and is based in Dubai, **United Arab Emirates.** In the MENA (Middle East and North Africa) area it **has been a reference point for heating elements for almost 20 years** and is well known by its original name: Heating Elements Industries LLC. With the Dubai team we share the aim of offering products to fit customers' needs, including custom products, of utmost quality.

CALORFLEX HEI INDUSTRIES L.L.C.

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PRODUCTS

01.

HEATING CABLES

Available both in reels and made to measure, depending on customer requirements. They are useful for preventing ice formation and maintaining temperature.

03.

FLAT FLEXIBLE HEATING ELEMENTS

This type of heating elements has a nickel/chromium alloy resistive circuit sandwiched between two layers of insulating material, which may be silicone, polyester or mica. They can be used in technologically advanced sectors, such as aeronautics and aerospace, but also in more common areas.

05.

HEATING ELEMENTS FOR COMPRESSORS

They are used for crankcase and semi-hermetic compressors to separate, by heating, the refrigerant liquid of the compressor from the lubricating oil. These heating elements make it possible to extend and optimise the performance of the compressors.

02.

TUBULAR HEATING ELEMENTS

The construction technology of these heating elements consists of a resistive wire sealed by compressed magnesium oxide and enclosed in a metal tube. They are available in single-tube, double-tube or water bath, finned or aluminium tube versions, each for different application fields.

04.

CARTRIDGE HEATING ELEMENTS

They have different applications and fields of application, from refrigeration to plastic processing, and are available in the variant with self-regulating PTC technology or in the classic version with a ceramic core.

06.

EVAPORATING SYSTEMS

They are mainly used in the refrigeration sector for the purpose of evaporating condensate water formed during defrosting cycles. The pre-assembled kit consists of a heating element in conjunction with the condensate collection tank, which can be supplied in plastic or metal.



07.

HEATING MESHES

They consist of a pre-assembled heating cable with adhesive tape on fibreglass mesh. Specially developed to be placed inside the concrete screed, they are used to prevent the formation of ice in cold rooms and to remove snow or ice from ramps, steps and pavements. When installed in domestic, commercial and industrial paving, they enable heating.

09.

BASE PADS

Heating pads for collapsible tanks and IBCs. Positioned between the pallet and the container or at the bottom of collapsible IBCs, they ensure gradual heating that allows the proper storage and easy extraction of fluids contained in tanks and drums. They are useful for preventing the crystallisation and freezing of agri-food products and chemical agents.

11.

HEATING SYSTEMS

They are useful in the catering and restaurant industry to maintain the temperature of food and dishes, even in difficult conditions. They are equipped with a fan to allow the correct and continuous movement of the air.

08.

HEATING JACKETS

High efficiency thermocouples that can be applied to tanks, IBCs or barrels. Using innovative carbon and graphite heating technology, they ensure uniform heat distribution. This feature, combined with their strength, flexibility and low weight, makes heating jackets an ideal system for the storage of agri-food products and chemicals.

10.

DRUM HEATER HEATING ELEMENT

They are used for heating containers, drums, bins, vessels and piping. They are used to prevent freezing, reduce the density or viscosity of fluids, preserve their characteristics and to allow them to be decanted and completely drained.

12.

HEATING MATS

Heating film sealed between two PVC sheets electrically welded together using high frequency technology. They are mainly applied in the gardening sector, as they are used to help seeds to sprout and to ensure the ideal temperature of the shoots even during the colder months. They are also used in the medical and animal fields, as well as for controlling the temperature of isothermal bags or for ensuring the maintenance of a specific microclimate in aquariums and terrariums.



13. **CERAMIC HEATING ELEMENTS**

They transmit heat by both conduction and radiation and their ceramic core is housed under a stainless steel sheet with serrated edges. Ceramic heaters can be produced with different types of terminals, they are fully flexible and can accommodate holes and offcuts according to customer requirements.

15. **INFRA-RED HEATERS**

They have a wide range of industrial and commercial applications where an efficient, non-contact heat source is required. Infra-red heaters have a waterproof outer coating making them easy to clean and ideal for the food sector, medical facilities and antiseptic industries. They are also used in the packaging and curing of paint for the automotive industry.

14. **MICA HEATING ELEMENTS**

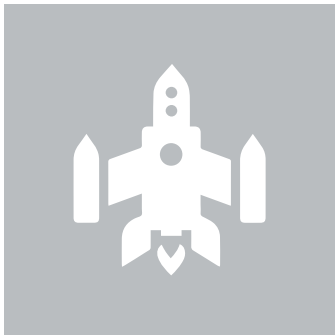
They have a mica core wrapped in resistive wire. Thanks to their extraordinary conductivity and dielectric strength they are able to ensure fast-acting heating that many industries find suitable for their purposes, in particular the plastics industry.

16. **ACCESSORIES**

Useful tools for applying and using heating elements: power supply and termination kits for heating cables, heat shrink sheaths, thermostats, fittings, connectors, controllers, probes, wiring, fans and thermal grease.



AREAS OF APPLICATION



AEROSPACE



TELECOMMUNICATIONS



BATHROOM
FURNISHINGS



INDUSTRY AND
CONSTRUCTION
SITES



COMMERCIAL
AND INDUSTRIAL
REFRIGERATION



RESTAURANTS
AND CATERING



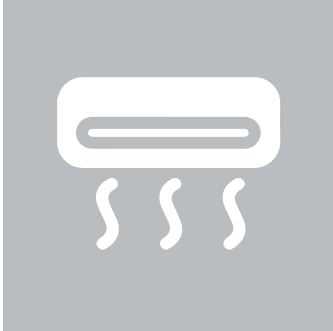
MEDICAL AND
SCIENTIFIC
EQUIPMENT



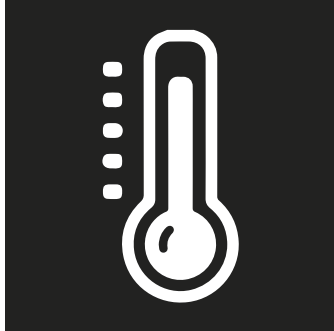
PHARMACEUTICALS
AND COSMETICS



SPORT AND
WELLNESS



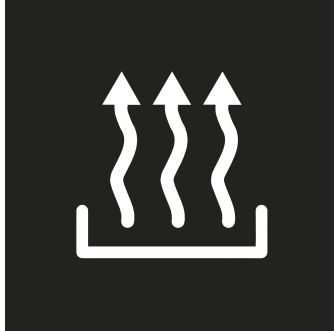
CONDITIONING



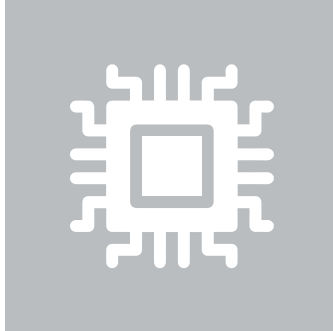
TEMPERATURE
MAINTENANCE



PROTECTION
FROM FROST AND
MELTING SNOW



UNDERFLOOR
HEATING



ELECTRONICS



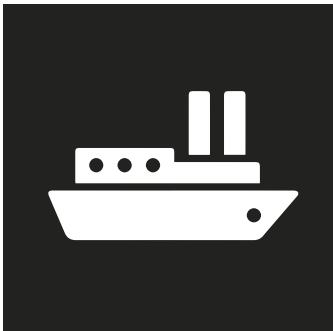
PACKAGING



MILITARY
EQUIPMENT



NUCLEAR



NAVAL



LOGISTICS AND
TRANSPORTATION



AUTOMOTIVE



AGRICULTURE
AND INDOOR
FARMING



ANIMALS



FLORICULTURE



DOMESTIC

CERTIFICATIONS



TRADEMARKS





