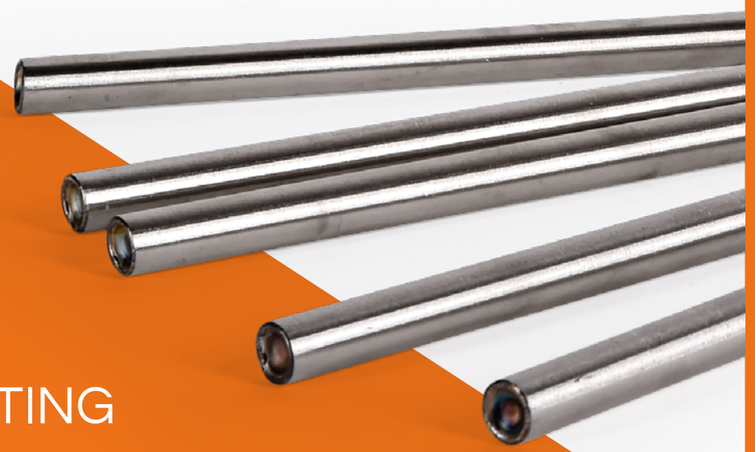
CUSTOMISED CABLES AND SPARE PARTS

CUSTOMISED CABLES

Lemac manufactures all types of cables, including extra control unit cables, in any length and number of poles.
It is sufficient to have the technical specifications and the type of application in which the cables will be used. Furthermore, in recent years, we have reduced the possibility of cable inversions between power and signal and improved the type of connection at the end of the caps.

SPARE PARTS

Lemac offers various connection solutions that can be used for the construction of control units, for cable construction or as spare parts for moulds.
Below you will find some types of connectors and housings.



CARTRIDGE HEATING ELEMENTS

High power density cartridge heaters belong to the new generation of electric heating elements and allow high WATT loads to be used in very concentrated spaces, guaranteeing high reliability even under harsh conditions.

This is enabled by the special construction technology that makes these heaters the highest expression among heating elements.
In addition to advanced technology and accurate controls, it owes its complete reliability over time to the use of materials from the world's best sources.

MADE IN ITALY

THE ADVANTAGES

In cartridge heaters, the wire is wound on a magnesium core and is located in a peripheral position very close to the metal sheath with a very thin and strongly compressed insulating wall, resulting in a very effective heat exchange that keeps the temperature of the resistive wire at a much lower value than in other heaters in which the wire is in a deeper position

- Available in mm or inch sizes
- Available with built-in J-type thermocouple
- Standard cable length from 300 to 1000mm
- Optional cable length up to 6000mm

Heaters are available semi-finished, ready to be customised according to customer requirements.

SPIRAL HEATING ELEMENTS

Spiral heating elements were developed to solve the problem of differentiated heating of plastic injection nozzles.

Spiral microtubular elements are revolutionary heaters, capable of operating even under difficult conditions.
They consist of a stainless steel outer sheath in which the evenly distributed resistive wire is insulated in a mass of compacted MgO.

After annealing in a controlled atmosphere, they acquire a very high malleability, so much so that they can be shaped into very complex shapes with minimal bending radii.
Due to their high versatility and safety, they are used in a wide variety of applications.
Created to solve the problem of differentiated heating of plastic injection nozzles, they have gradually established themselves in the most diverse and complex fields of application. The aviation, space, railway, chemical, metallurgical, food, glass, paper, automotive, shipbuilding, packaging, medical, etc. industries have been able to take full advantage of the performance of the heaters.

MADE IN ITALY

THE ADVANTAGES

- Large contact surface for maximum heat exchange between heater and object to be heated.
- Excellent insulation and long service life.
- Robustness and resistance to mechanical shocks.
- High working temperatures (up to 750°C)
- Built-in thermocouple for high precision thermal control (J - standard, K - on request).
- Minimum thermal inertia.
- Possibility of making even very complex shapes.
- Possibility of being incorporated in brass castings.
- Eight standard sections to suit any application.
- Wide range of standard elements available from stock.

BAND ELECTRIC HEATERS

Mica-insulated, ceramic-insulated and armoured band heaters available from stock in any size and power, for use on presses and nozzles.

MADE IN ITALY

THERMOCOUPLES

Thermocouples are used in many fields for temperature measurement in industrial, medical and environmental equipment.

They can be used to detect temperatures from a few degrees Celsius to over 1000 degrees Celsius, depending on the type of thermocouple used.

▸ **BLOCKED**: type J (Fe-Co) suitable for application on hot plates in general easy to fix with simple drilling and threading.

▸ **WITH BAYONET CONNECTION**: type J (Fe-Co) usually used in various types of thermoplastic injection moulding machines. Connection diameters: 1/4" GAS - M12 ▸ M12 x 1.5.

▸ **N&B**: type J (Fe-Co) usually used on Negri and Bossi or similar presses connection in diameters: 1/8" M8 M10.

▸ **WIRED WITH MINERAL OXIDE INSULATION:** mainly used in the hot runner sector, available in diameters 1 - 1.5 other diameters on request.

▸ **SMOOTH**: type J (Fe-Co) used in various sectors injection moulding presses moulds hot plates in general, etc.

▸ **SLEEVE**: type J (Fe-Co) used in various sectors on injection moulding machines, moulds and hot plates.

▸ **ADJUSTABLE BANDED**: type J (Fe-Co) usually used for injection moulding machine nozzles.

▸ **PLATE**: type J (Fe-Co) usually used for injection moulding nozzles.

MADE IN ITALY

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