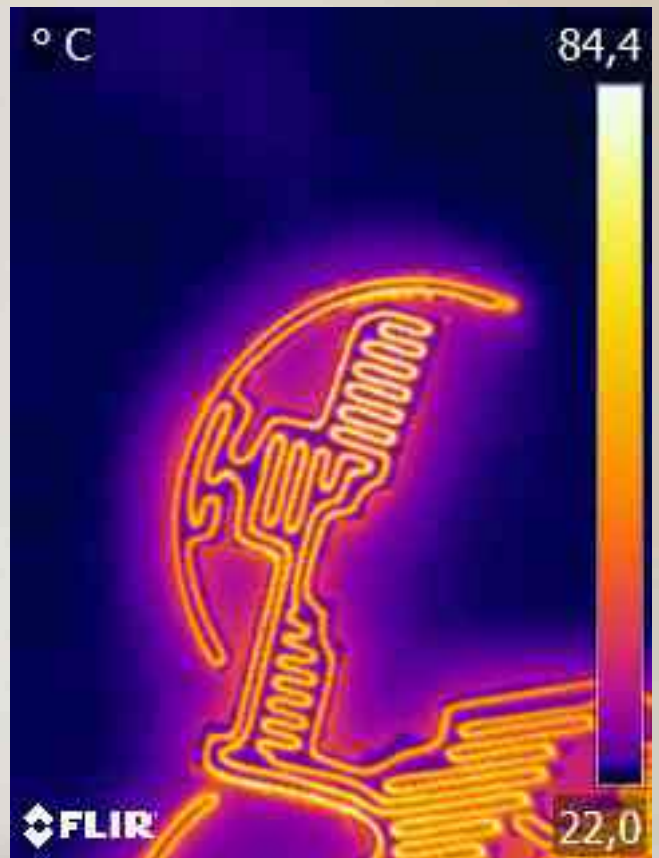
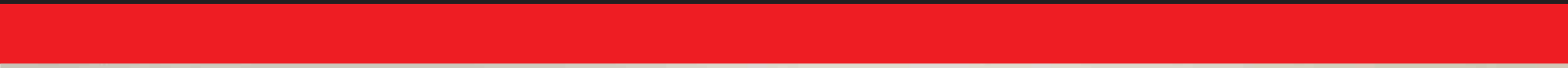
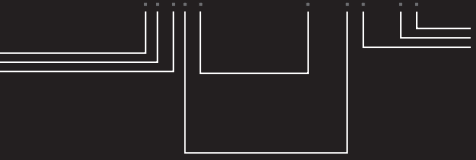


embro

specialist for smart textiles

We embroider
innovative products

electrical and flexible heating elements



12V-heating element on a fabric made of aluminium with a ultraflexible steelbraid

temperature distribution can be chosen freely

EMBRO is using a special technology for embroidery. It is an efficient way to manufacture flexible heating elements in high-volume or just in small batches.

With our modern CAD-software we first construct the layout once. So the heating elements can be produced with a high efficiency and repeated accurate.

For this purpose ultraflexible heating conductors are applied on different materials. Most of the time the structures look like greek frets to make sure an evenly heat distribution. In this way we fabricate panel heaters that are hard to beat in precision. Every panel is adjustable in size, shape and power.



Advantages of our flexible heating elements:

- form & material are freely selectable
- very fast and homogenous heating distribution
- unisolated / normal isolated / double isolated
- operating voltage is arbitrary (1-400V)
- temperatures up to 400 degree Celsius
- constant temperature distribution or just partial heating
- heating power accurate definable
- widespread and oversized elements possible - 2800mm x 10000mm
- very suitable to sew in, force in, to inject or to paste into something
- extremely flexible and kink resistant
- grid structures realizable - to heat airstreams or liquids
- electronic adjustable

examples of application:

heated cloth, mold heating for industries, heated furniture, electric heating pads and heating blankets, heating elements for automotive branch, heating solutions for medical engineering, panel heaters in general

Do you want more information?

If you have any questions, do not hesitate to contact us.

Please arrange an appointment - telephone + 493744 - 18 42 29 -10