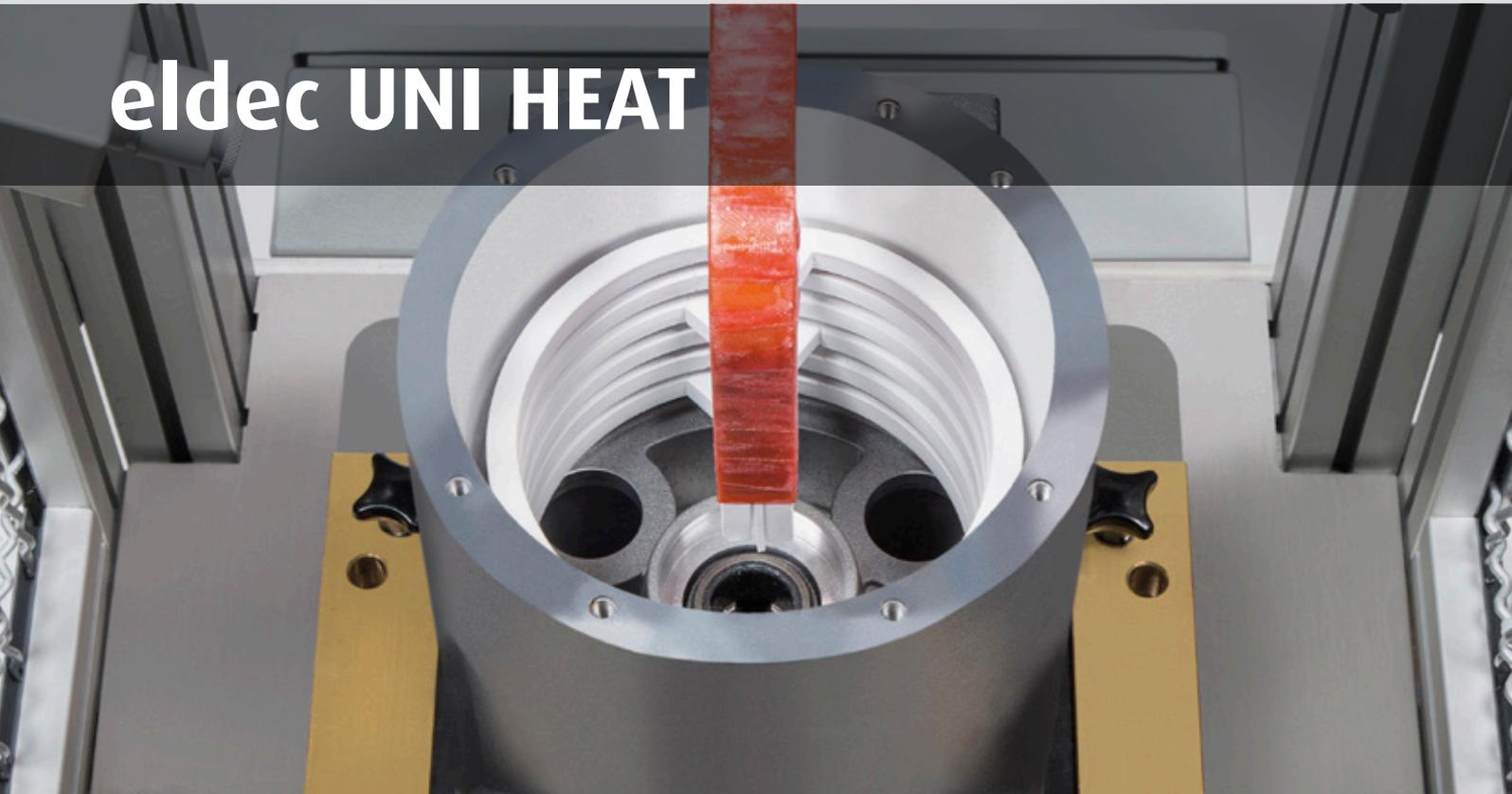




eldec UNI HEAT



UNI HEAT –
Universal Heating Solution



UNI HEAT – Universal Heating Solution

UNI HEAT heating systems are customised solutions for inductive joining, heating and brazing.

Each UNI HEAT System is tailored and configured to suit the customer's specific needs. Many of its customized benefits become evident when considering the large range of components, as well as external influences, such as space requirements.

We pay close attention to detail to develop a simple, straight forward system design to keep complexity, and therefore costs, low without sacrificing precision – "simply better"!

A variety of options, such as the use of pyrometers to control the temperature and a wide range of eQC (eldec quality control) modules, mean that the process is always monitored closely, assuring a high level of reproducibility. The system is controlled using a touchscreen panel on the generator, which, like all eldec generators, provides an intuitive experience for users.

UNI HEAT heating systems are generally operated manually by the user. If production volumes increase over time, UNI HEAT can also be integrated into an automated process chain.

In summary, UNI HEAT, with its familiar eldec quality, is a compact heating system for small batch production and products with a high level of variance.



Heating a motor housing to install stator



Touchscreen panel



UNI HEAT HEM 20 MF

Customized solutions developed and built for eldec customers



UNI HEAT SG 18 MF

Process Functions

Joining a gear shaft with the hub by expanding hub with induction heating to create interference fit, often called "shrink fit."

A pyrometer is used to guarantee the correct temperature. The signal lamp indicates when the joining temperature has been reached. The joining process can then be completed manually.

Equipment

- UNI HEAT heating system
- PICO-S 18 MF

Options

- Pyrometer, recooling Chiller system



UNI HEAT HEM 30 MF

Process Function

Heating an electric motor housing. The housing is placed onto a tool carrier and moved manually into the heating position. The induction heating cycle starts when the door is closed. After the temperature has been reached, a request to access the part is made by pushing a button. The housing can then be safely removed.

Equipment

- UNI HEAT heating system
- ECO LINE MFG 30

Options

- Pyrometer, recooling Chiller system



UNI HEAT HEM 75 MF 2A

Process Functions

Heating of two electric motor housings, sequentially, one after the other. The housings are placed on a tool carrier and moved manually into the heating position. The induction heating cycle starts when the door is closed. After the temperature has been reached, the user confirms by pushing a button that the process should continue. The heating cycle is finished.

Equipment

- UNI HEAT heating system
- ECO LINE MFG 75-2A

Options

- 2 x pyrometers, recooling Chiller system

