



BETEX MF QUICK-HEATER

Induction heater for **mounting & dismantling**

powertransmission components - middle frequency technology

... bearings, labyrinth rings, bearing rings (NU, NJ), sleeves, bushes, couplings, gears...

Middle frequency induction heating is a **safe and effective** heating method, which improves the quality of installation or maintenance. This method is fast, simple and energy efficient, compared to conventional methods.

Using the **BETEX MF Quick-heater**, parts can be heated in a clean, controlled and even manner. This avoids damage or contamination. Depending on the application, you can use **fixed or flexible inductors**. Flexible inductors can be wound around, or in a component. As a result, many applications are possible. The heater is easy to transport and can be moved to where needed on site. Each heater is customised to your needs and supplied with required size(s) of inductors, either fixed or flexible.

More applications? Ask our Sales team !



22 kW

- **Economic**
One device for Mounting and Dismounting.
- **22 and 44 kW**
Choice of 2 generators, low connection power (32/63 Amp)
- **Safe**
Temperature controlled heating: overheating is not possible because demand is constantly monitored and if necessary adjusted. When the preset temperature has been reached, the device will switch off automatically.
- **Energy efficient operation**
Short heating times and process optimization.
- **Clean and environment friendly**
No oil, gas, no pre-heating necessary (lower CO2 emissions).
- **Flexible operation**
Compact and easy to transport on site.
- **Versatile**
The inductors can be placed both in and around the component. You can also place a component on a flat surface (table model) or work with flexible inductors. The inductors are supplied in various diameters, fixed or flexible accord-

- **Smart Inductor recognition**
When a part is connected for a second time to the inductor, automatically correct settings are selected. Simply press the START button and the job is done.
- **Air-cooled**
No water cooling needed.
- **No...**
Residual magnetism, fire hazard, excessive noise or polluting fumes.



Middel frequent induction heating

 is a superior, fast and controlled heating method. This prevents unnecessary damage to parts and reduces wear and tear.

Paper/printing industry

This paper mill could not dismantle bearing sleeves in-house - not without serious damage to part and paper roll - so the job was outsourced. This was not very efficient as it involved transport back and forward, costs for the getting the job done etc etc. Bega ran tests for them with positive result.

Customer can do the job on location with their own MF Quick-heater and are rapidly earning the investment back.



Steel industry (Rolling mill)

In this example the MF Quick-Heater is used to dismantle bearing inner rings and sleeves in a Rolling Mill.

The system they were using was old and very heavy to handle. The new heater is easy to handle, light in weight and thanks to new technology, energy saving.

Customer is happy with damage free heating results and improved productivity.



Rail/Metro industry

Easy dismantling of inner rings, NU-NJ bearings, labyrinth rings.

In this case the perfect even heating resulted in safe, fast and clean job.



Machine building, gear & drive systems

Using the flexible inductors the bore of a this giant cable pulley is heated so it can be mounted on a shaft.

Application examples in:

- Steel industry
- Rail & Metro
- Wind power
- Paper & Printing



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- ONE device for mounting & dismantling
- clean, rapid and controlled heating
- touch-screen in 8 different languages
- no residual magnetism
- energy efficient
- easy to handle inductors
- choice of fixed and flexible inductors
- no water cooling necessary
- MADE IN HOLLAND by Bega Special Tools

**MORE APPLICATION
EXAMPLES**

WWW.BEGA.NL