



New portable multi-purpose induction heater from Bega Special Tools

Vaassen, the Netherlands, September 2022. Bega Special Tools introduces the MF Quick-Heater 3.0 – 3.5 kW, a new, portable, multi-purpose induction heater with maximum power output of 3.5 kW. This brand-new model is part of the MF Quick-Heater 3.0 series, used for industrial heating of all kinds of ferromagnetic parts. The heater can be deployed for mounting, dismounting and preheating purposes. Weighing only 7.85 kg and with dimensions that allow it to fit in a small carrying case, this powerful tool offers solutions for difficult circumstances where other systems are impossible to use.

Induction heating is a highly efficient and eco-friendly method for industrial heating applications. Examples of applications are bearings, sleeves, gears, inner rings etc. The generator is combined with a flexible inductor which can be wrapped in or around a workpiece. It heats parts very fast or under precise control, depending on the application: dismounting, mounting, or preheating. The flexible inductors are available in optional lengths of 5 m, 7.5 m and 10 m, for a maximum temperature of 180°C. The heater is easy to use – just plug into the 230 V mains – with four different heating modes. Two magnetic temperature sensors make it possible to measure the internal and external temperature of a workpiece. When this Delta-T function is enabled, the maximum preset temperature difference between two points can never be exceeded. Smart electronics ensure optimal operation frequency. The heating process is displayed in a 4.3-inch touchscreen. A log function is provided for saving data or exporting it via the USB port.

There are many other reasons to consider induction heating in comparison with conventional methods. Heating is controlled, fast and energy efficient. The quality of work is better, it enhances machine up-time. Since there is no open fire, there is no polluting smoke or noise. Personal safety is also a point to take into serious consideration.

Headquartered in Vaassen in the Netherlands, Bega Special Tools manufactures and distributes special tools for safe, cost-effective mounting and dismounting of bearings and transmission parts. These tools substantially improve the quality and ease of maintenance and installation of



rotating parts in machines, resulting in longer lifespan. They are used in production and maintenance departments of MRO and OEM companies within various types of industries and include special solutions for the wind energy, railway, mining and steel industries.

Pictures:

Pic 1: Example of heating: Dismounting a bushing from a pump used in the dredging industry. After 3.26 minutes the bushing had reached a temperature of 143.5°C and could be pushed off the shaft.

Pic 2: The MF Quick-Heater kit consists of one generator MF 3.0 – 3.5 kW, two magnetic temperature sensors, one pair of heat resistant gloves, flexible inductors in optional lengths of 5 m, 7.5 m and 10 m.

Bega Special Tools at InnoTrans 2022:

InnoTrans 2022, international trade fair for transport technology, 20 to 23 September 2022, Berlin, Germany: Hall 20 Booth 440

Company information:

Founded in 1978 and headquartered in Vaassen in The Netherlands, Bega Special Tools manufactures and distributes special tools for safe, cost-effective mounting and dismounting of bearings and transmission parts. These tools substantially improve the quality and ease of maintenance and installation of rotating parts in machines, resulting in longer lifespan. Exported to over 60 countries worldwide, Bega products are used in production and maintenance departments of MRO and OEM companies, providing custom solutions to a wide range of industries including wind, rail, mining and steel. Bega is part of the Schaeffler Group since August 2022.

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