



## **KMi heater X175** is designed for quick, efficient and safe heating of metallic parts.

The induction heater is a superior substitute to autogenous or LPG flame based heating methods in your workshop, it is particularly useful for applications with screwed joints in vehicles, cases, bearings, hubs etc.

- **Induction heating brings workpieces to the proper temperature faster than traditional methods** and provides more control in sensitive areas such as upholstered and painted surfaces. It is an advanced, efficient method for heating parts prior to hardening, defrosting, etc.
- **Even and stable heating.** The object is heated evenly without local hot spots caused by flame based heating methods. Sensors ensure the part will not be overheated once the target temperature is reached.
- **Safer and more comfortable working environment for the operator.**  
The operator is not exposed to open flame, hot gases and risk of fire and explosion as with flame heating.
- **Lower operator training costs, lower wage costs.**  
The operators do not require frequent, regular training and certification as with autogenous and LPG based systems. Low consumable cost. No operating burdens related to purchasing and leasing gas cylinders.



### A HIGHLY ENERGY EFFICIENT HEATING SYSTEM

- Parts can be heated up to 800°C and above.
- KMi heater will heat a M12 bolt or a nut to a temperature over 500°C in only 20 sec.
- The preparation and setup time for an induction heating system is much faster compared to an autogenous burner system. Simply connect KMi heater to a 230V socket, install the appropriate coil type onto the part you wish to heat, then push the ON/OFF button to begin the induction process.
- The heating process is accomplished in seconds, even for parts requiring red hot temperatures.
- Induction coils may be easily replaced with bigger or smaller ones. The same applies to the heating coil to be wrapped around the part.
- A set of coils of various diameters may be ordered as optional items together with the induction heater.



### APPLICATION

- Automotive, railway and ship construction.
- Industry, machine construction, car repair shops, assembly shops, plumbers and heating engineers, house hobby rooms etc.
- Manufacture, repair renovation, maintenance.
- Parts that require heating such as bolts, rod and profile steel, metallic sheets, bearings, cases, driving shafts, suspensions, nuts, pipes, gears, spring bases, shafts, lambda probes, machine and vehicle parts and components, exhausts, pulleys boxes, bushings etc.
- Heating of tools and parts prior to hardening, gluing, soldering.
- Defrosting.
- The same applications as those of LPG and autogenous burners.



## BASIC SET

- > Induction heater
- > Coils (FLEXI, PAD, 8, 12)
- > Plastic case

## SET OF 8 COILS



## FLEXI COIL



## HEATING WIRE



## OPTIONAL ACCESSORIES

**Fixed coils** - heating of pipes, bolts, profiles of various diameter

**Flexible coils** - to be whipped around the part to be heated, where a fitting coil (exhausts, connecting rods, etc.) cannot be used.

**Focusing coils** - for the heating of flat parts, metallic sheets etc.

**Flat coils PAD** - intended for heating metal sheets of car body - easy to peel off stickers, sealants, windows, etc.

## LED NOTES

Colour	Description colour	Problem solving
<span style="color: green;">●</span> green	stand by/ready	
<span style="color: orange;">●</span> orange	is working	
<span style="color: red;">✶</span> red flashing	power overload	use a different coil, the difference between the heated material and the coil should not be greater than 3mm.
<span style="color: red;">●</span> red lit.	thermal overheating	leave the machine idle to cool down with its own fans for about 1.5 minutes
<span style="color: red;">✶</span> red and white flashing	missing coil / damaged coil	determine if the coil is properly mounted in the machine or the coil is not damaged otherwise. Check the coil isolation.
<span style="color: white;">○</span> white	work lighting	lighting of heated material for better visibility

## TECHNICAL DATA

<b>Mains supply voltage</b>	230V + 10% -15% 50 Hz
<b>Input current</b>	max. 8A
<b>Input</b>	max. 2 kW
<b>Output</b>	max. 1,75 kW
<b>PF (power factor)</b>	0,99
<b>Load factor</b>	1,5 min. 100 %
<b>Coverage</b>	IP 20
<b>Size (LxWxH)</b>	23,5 x 18 x 9,6
<b>Total length cm</b>	140
<b>Weight kg</b>	4,5

## CONTACT

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