



INDUCTION HEATING FOR THE WORKSHOP

NEW INVERTER INDUCTION HEATER DHI-15



ADVANTAGES

- Mobile – Compact & Easy to carry with a flexible shoulder strap. Weighing in at only 4.5 kg.
- Capacity 1.5 kW, of power with inverter technology.
- Quick & Easy handling of the coil with it's 70 cm cable length.
- Flexibility & Easy to operate - It may be connected anywhere to the power grid with a single 230 V connection.
- Versatile heating elements for every application - flat, circular, from 6 mm to 22 mm.
- Quick heat preparation – with no damage to perisables such as rubbers & plastics etc.
- State-of-the-art and affordable method of warming nuts, bolts or any metal products.

APPLICATION & INDUSTRY

- Automotive, railway and ship construction industry, machine construction, car repair shops, assembly shops, plumbers and heating engineers, hobby etc.
- Manufacture, repair renovation, maintenance.
- Parts that require heating such as bolts, rod and profile steel, metallic sheets, bearings, cases, driving hafts, 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, soldering.
- Vynl transfer removal.
- All of the above without the need for GAS & a naked flame.

The induction heater **DHI-15** is designed for quick & easy use of heating metallic parts up to 800°C without destroying the metallic properties. The **DHI-15** is a safe substitute to Gas and naked flames. You also save with no on going costs and certification.

The **DHI-15** induction heater allows you to bring workpieces to the proper temperature faster than traditional methods and provides more control in sensitive areas such as rubbers, plastics, upholstered and painted surfaces. The **DHI-15** 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.

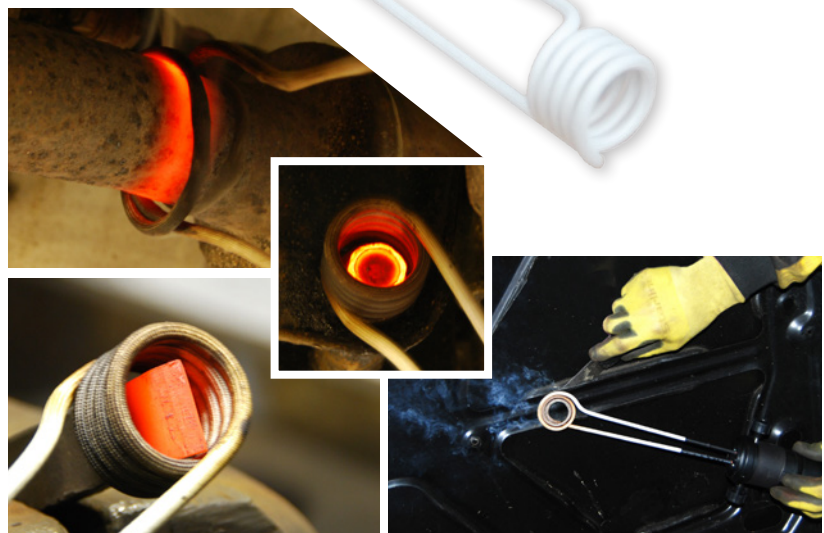
Safer and more comfortable working environment for the operator. The operator is not exposed to open flame, hot gases and risk of fire and explosion as with flame heating.

With a range of inexpensive consumables heating elements. Ranging from 6 mm to 22 mm, pad coils, side coils and a focusing coil.

A highly energy efficient heating system.



TECHNICAL DATA	DHI-15
Mains supply voltage U_1 / I_{1max}	230 V, 50/60 Hz
Power consumption P_{1max}	1.5 kVA
Working frequency	25-60 kHz, auto. adjustment
PF (power factor)	0.99 (PFC)
Continuous heating / load factor	100% *
Fixed inductors	Yes
Flexible inductors	Yes
Inductor check	Yes
Short-circuit proof	Yes
Open-circuit proof	Yes
FAN control	Yes
Weight	4.5 kg
Size (LxWxH)	200x140x75 mm



*) Depending on material and coil used.



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OUTFIT

- Robust IGBT transistor technology
- Short-circuit and open-circuit proof
- Automatic adjustment to resonance frequency
- Frequency: 25 kHz - 60 kHz
- Very user friendly and cost efficient
- Processor-based control system
- Overload alarm
- Connecting cable 70 cm
- Controlled fan cooling

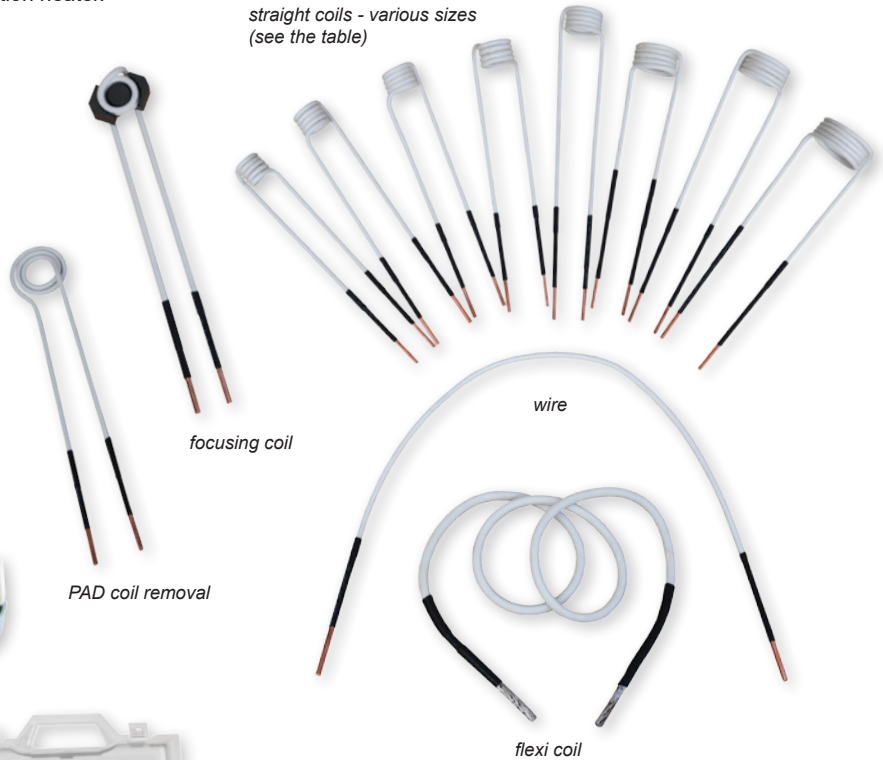
ACCESSORIES

- Fixed coils - heating of pipes, bolts, profiles of various diameter
- Flexible coils to be whipped around the part to be heated
- 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.

DHI-15 system will heat a M12 bolt or a nut to a temperature of 800°C in only 15 sec. The preparation and setup time for an induction heating system is much faster compared to traditional equipment. Simply connect the **DHI-15** to a 230 V 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.



straight coils - various sizes
(see the table)



standard set of ind. heater:
plastic case, FLEXI + PAD + 19 + 26 coils

Order No. of set and accessories

SOURCE AND ACCESS.	Description	No.
	Induction heater - source	DHI-15
	Induction wire, d=4 mm, l=750 mm	DHI-IND075
	PAD coil removal	DHI-REMOVAL
	Focusing coil 20/220 mm	DHI-SPOT
	Flexi coil 10 m ² , l=800 mm	DHI-FLEXI800
	Set of 8 coils 15-45 mm	SET-8S or B



set of 8 coils 15-45 mm



side coils - various sizes (see the table)

COILS	Description	No. of straight coil	No. of side coil
	Coil /15/220 mm / M6	DHI-IND415/220/M6-S	DHI-IND415/220/M6-B
	Coil /19/220 mm / M8	DHI-IND419/220/M8-S	DHI-IND419/220/M8-B
	Coil /20/220 mm / M8	DHI-IND420/220/M8-S	DHI-IND420/220/M8-B
	Coil /23/220 mm / M10	DHI-IND423/220/M10-S	DHI-IND423/220/M10-B
	Coil /26/220 mm / M12	DHI-IND426/220/M12-S	DHI-IND426/220/M12-B
	Coil /32/220 mm / M16	DHI-IND432/220/M16-S	DHI-IND432/220/M16-B
	Coil /38/220 mm / M20	DHI-IND438/220/M20-S	DHI-IND438/220/M20-B
	Coil /45/220 mm / M22	DHI-IND445/220/M22-S	DHI-IND445/220/M22-B

DISTRIBUTOR

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