

INDUCTION HEATERS



Functionality and benefits of the induction principle for the bodywork and commercial vehicle sector

How it works:

The induction heater and its accessories ensure that heat is only applied where it is actually needed, without contact. Since electromagnetic induction only occurs with conductive materials, non-conductive materials (such as glass, rubber, plastic, painted surfaces, etc.) are spared from heating and the resulting damage; an open flame is no longer necessary and the associated fire

hazard is virtually eliminated.

Area of application and benefits:

- ▶ For quick and easy removal of parts on vehicles by applying heat, e.g.: Glass panes, panelling, stickers, films or similar
- ▶ Targeted and precisely dosed heat application within seconds thanks to state-of-the-art microprocessor technology

- ▶ Complete protection of surrounding areas and prevention of damage to painted surfaces, glass, rubber, plastic, etc.

Induction heater IHG 1500 – Extremely versatile in the bodywork and commercial vehicle sector

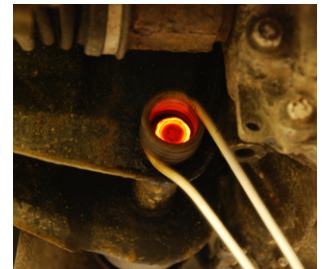
- ▶ Easy to transport thanks to small design and low weight of 4.5 kg
- ▶ Extremely versatile in the bodywork and commercial vehicle sector thanks to extensive standard accessories
- ▶ Additional accessories available

Numerous application options

- ▶ Dents caused by minor hail without damaging the paintwork
- ▶ Removal of smaller panelling
- ▶ Stripping and removing sealants and levelling compounds
- ▶ Loosening of stuck and rusted parts such as screws, sleeves, seals, hinges, nuts and the like, nuts and the like
- ▶ Parts that are difficult to access can also be loosened after heating by using and attaching special winding wire (e.g. axle parts, ball joints, sensors, etc.)



› For loosening parts that are difficult to access using special winding wire



› For heating and loosening stuck and rusted parts



› For easy removal of smaller panelling



› For removing rust



4.5 KG ONLY

IHG 1500 - includes versatile accessories (bottom left image)

Scope of delivery:

- › Coil holder
- › Front coil M 8
- › Front coil M12
- › 1 pcs. winding cord
- › Flat spiral coil
- › Carrying strap
- › in plastic case



Model		IHG 1500
Art. no.		6400015

Technical data		
Protection	A	16
Protection class		IP 21 S
Cable length	mm	700
Input power	kW	1.5
Electrical connection	V/Hz	230 / ~50
Output frequency	kHz	25 – 45
Dimensions (L x W x H) approx.	mm	200 x 75 x 140
Weight approx.	kg	4.5
Weight with accessories approx.	kg	5

Control concept

- ▶ Targeted and precisely dosed heat application within seconds thanks to state-of-the-art microprocessor technology
- ▶ Heating the parts to over 800°C
- ▶ Quick and easy to use
- ▶ High efficiency
- ▶ Prevention of overheating thanks to two fans
- ▶ High operational reliability thanks to self-monitoring with visual status signal

Induction heater IHG 3700 – For heating and loosening stuck and rusted parts

Powerful and easy to use

- ▶ Control with up to ten parameters, e.g. setting the maximum temperature or duration of the heating process
- ▶ High repeatability by setting the desired parameters
- ▶ Inexpensive, safe and clean alternative to heating with a welding torch

Practical details

- ▶ Integrated water cooling, easy to fill thanks to water level indicator
- ▶ Simple software updates via USB connection
- ▶ Easy to transport thanks to compact design and low weight

Numerous application options

- ▶ Interchangeable attachments for numerous applications
- ▶ Loosening smaller panelling parts, stuck and rusted parts such as bolts, nuts, screws, bearings, gear wheels or similar
- ▶ Localised heating of parts for soldering, pressing, bending or gluing
- ▶ Melting of materials with a low melting point

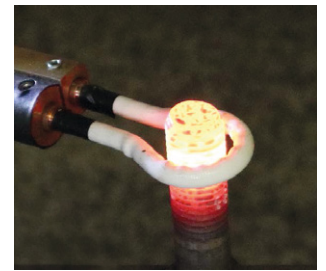
- ▶ Easy to transport
- ▶ Easy loosening of screws and nuts
- ▶ Heating parts for pressing, bending or gluing



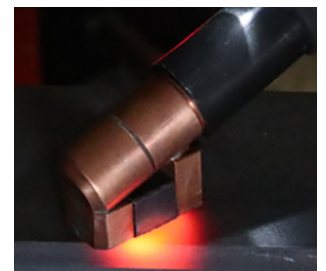
IHG 3700



› Heating a nut with the focus coil at an angle



› Heating a threaded bolt with the water-cooled coil



› Heating a component with the focus coil at an angle

Scope of delivery:

- › Handle for coil with 2 m cable
- › Lateral focus coil
- › Cooling circuit filling 2.5 litres

Model		IHG 3700
Art. no.		6400035

Technical data		
Output frequency	kHz	18 – 60
Protection class		IP 22
Coolant volume	l	2.5
Input power	kW	3.7
Electrical connection	V/Hz	230 / ~50
Dimensions (L x W x H) approx.	mm	440 x 240 x 200
Weight approx.	kg	13.5

Convince yourself of our performance
and ask for an individual consultation!

Contact: +49 (0) 951 96 555-506
beratung@unicraft.de

Induction heater accessories

IHG 1500



Model

Front coil (L = 220 mm) M6 (15)
Art. no. 6411015

Front coil (L = 220 mm) M8 (19)
Art. no. 6411019

Front coil (L = 220 mm) M8 (20)
Art. no. 6411020

Front coil (L = 220 mm) M10 (23)
Art. no. 6411023



Front coil (L = 220 mm) M10 (23)
Art. no. 6411026

Front coil (L = 220 mm) M16 (32)
Art. no. 6411032

Front coil (L = 220 mm) M20 (38)
Art. no. 6411038

Front coil (L = 220 mm) M22 (45)
Art. no. 6411045

Side coil (L = 220 mm) M6 (15)
Art. no. 6411115



Side coil (L = 220 mm) M8 (19)
Art. no. 6411119

Model

Side coil (L = 220 mm) M8 (20)
Art. no. 6411120

Side coil (L = 220 mm) M10 (23)
Art. no. 6411123

Side coil (L = 220 mm) M12 (26)
Art. no. 6411126



Side coil (L = 220 mm) M16 (32)
Art. no. 6411132

Side coil (L = 220 mm) M20 (38)
Art. no. 6411138

Side coil (L = 220 mm) M22 (45)
Art. no. 6411145

Focus coil (Ø = 20 mm)
Art. no. 6411004



**Winding cord (flexible heating coil)
(L = 800 mm)**
Art. no. 6411003



Flat spiral coil (PAD coil)
Art. no. 6411002



**Customised heating coil (L=750mm,
Ø=4mm)**
Art. no. 6411001

**Ceramic heating coil flexible L = 800
mm**
Art. no. 6411005



IHG 3700

Model



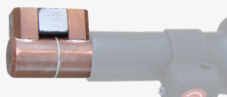
Handle extension
Art. 6412000
no.



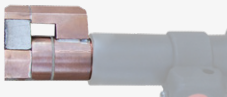
Diagonal focussing coil
Art. 6412001
no.



Lateral focus coil
Art. 6412002
no.



Focussing coil straight
Art. 6412003
no.



Model

Adapter for water-cooled coils
Art. 6412004
no.



Coil water-cooled Ø 20 mm
Art. 6412005
no.



Coil water-cooled Ø 25 mm
Art. 6412006
no.



Coolant 3l canister
Art. 6412007
no.



Remote control/foot pedal
Art. 6412009
no.

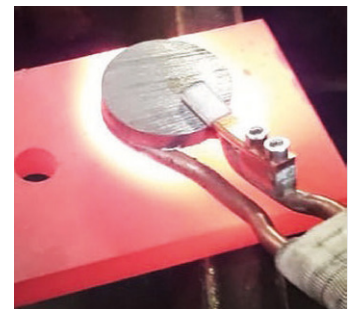


Induction heaters IHG 10000 / IHG 19000 – Powerful and mobile devices with trolley

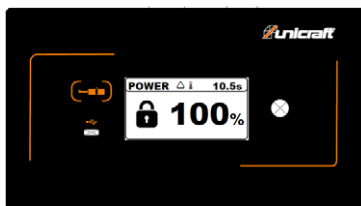
- ▶ Ideal for every workshop - for use in the automotive, railway and aviation industries, shipbuilding and industry in general, metalworking, maintenance, welding, repair workshops
- ▶ For heating before hardening, straightening, bending or forging pipes, round steel and profiles
- ▶ Localised heating of parts for soldering, pressing, bending and gluing
- ▶ Loosening smaller panelling parts and stuck and rusted parts such as bolts, nuts, screws, bearings, gears or similar
- ▶ Mobile device with chassis and integrated water cooling
- ▶ Inexpensive, safe and clean alternative to heating with a burner
- ▶ Power 12 kVA - high load factor
- ▶ Very quiet operation
- ▶ Flexible and simple operation
- ▶ Water-cooled induction coils
- ▶ Infinitely variable power control from 10 to 100 per cent
- ▶ Timer for high repeatability
- ▶ Clear display for showing and setting the parameters
- ▶ Operating modes constant power CP and constant magnetic field CF selectable



› Preheating before welding



› Hardening of surfaces



- 1) The parameter/screen name
- 2) Timer display
- 3) Timer value
- 4) Parameters
- 5) Button for activating the heating function/ for changing the inductor
- 6) USB port
- 7) Encoder



IHG 10000



IHG 13000

Scope of delivery IHG 10000:

- › Handle for coil with 4 m cable
- › Round focus coil, 32 mm
- › Cooling circuit filling 10 litres

Scope of delivery IHG 19000:

- › Rectangular focus coil

Model		IHG 10000	IHG 19000
Art. no.		6420100	6420150
Technical data			
Output frequency	kHz	18 – 45	18 – 35
Protection class		IP 21	IP 21
Coolant volume	l	10	15
Input power	kW	11	19
Electrical connection	V/ Hz	400 / ~50	400 / ~50
Dimensions (L x W x H) approx.	mm	400 x 760 x 700	850 x 540 x 960
Weight approx.	kg	58	96

Accessories IHG 10000

	Art. no.
Ring coil	
- Ø22 mm with one winding	6430050
- Ø28 mm with one winding	6430051
- Ø34 mm with one winding	6430052
- Ø40 mm with one winding	6430053
- Ø47 mm with one winding	6430054
- Ø57 mm with one winding	6430055
Ring coil Ø22 mm with two windings	6430070
Round focus coil, 32 mm	6430010
Round frontal focus coil, 32 mm	6430015
U-profile coil, 14 mm	6430080
Replacement ferrite core	6430085
Coolant 10 litre canister	6430101
Remote control/foot pedal	6412009

Accessories IHG 19000

	Art. no.
Rectangular focus coil	6430110
Round focus coil	6430111
Coolant 10 litre canister	6430101
Repair kit	6430102