



**nit**<sup>®</sup>

automotive induction technologies

**GENERAL CATALOGUE 2022-A**





## **GENERAL CATALOGUE 2022-A**

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## THE COMPANY

For almost twenty years we have been dedicated to manufacturing induction products. We have established our skills and reliability thanks to important partnerships that **nurtured** us through the years, thereby developing a complete range of **equipment** dedicated to the induction and plastics **welding**.

- Made in Italy
- Concept & engineering
- Customization
- Service after sales

## OUR CLIENTS ARE:

- Automotive
- Military
- Agriculture
- Light industry
- Metal carpentry
- Railway
- Marine
- Aerospace

## WHY CHOOSING US:

- Complete product range
- Product reliability
- Tailor made engineering
- Product efficiency
- Team responsiveness
- Plug & play – machines ready to be used



## THE INDUCTION

Induction machines transform the input of electric current into heat, which will be applied inside **ferromagnetic** and also non-ferromagnetic materials (with different output), with **high power** and **highly efficient** operation, avoiding any change in the characteristics of the material itself.

## THE ADVANTAGES



QUICK HEATING



HIGHER SAFETY NO NAKED FLAME



PRECISE AND REPEATABLE HEATING



PROCESS OPTIMIZATION



LOWERING COSTS BY MORE THAN 50%



PRODUCT QUALITY ENHANCEMENT

## THE BEST RANGE

AIT can satisfy all your needs covering the biggest range of induction products and plastic welding in the market.

- From 1kW to 25kW
- User friendly
- Easy to carry
- Multifunction technology
- 10+ inductor heads extra
- Liquid cooled circuits
- Tailor made customizations
- Upgrades available
- Accessories for precision heating\*
- Wide range of optionals for continuous duty cycle\*
- Preventive maintenance integrated software\*\*

\*upon request

\*\*limited to Industry/Heavy Duty line

## SERVICE

AIT has a wide network of dealers and service centers to guarantee not just spares but also rapid and professional support for any request

Our service department is very skilled and his expertise in the induction field is based on many years of experience to always offer the best solution for you.

Our service department will directly support you through:

- FAQ and troubleshooting videos
- Remote service
- Remote service on video
- On site

Our technical department regularly keeps all service network trained on all product updates and new developments in order to get them operate on the machines in the best and most efficient way.



## UNIQUE BENEFITS



### **Plug&Play**

All AIT induction machines are Plug&Play. This allows them to be used without the user knowing or carrying out a specific installation or configuration procedure. Once in possession of the machine, all that is needed to use it is to connect it to a power socket. This allows the customer to avoid complications in its use and to save costs in terms of time and money for staff training.



### **Autotuning**

The exclusive Autotuning function developed by AIT is a special feature that allows the same machine to quickly self-configure the electronics, in the case of using special induction heads outside the range of the standard ones. As a result, no user intervention is needed for any specific operation that requires special components to be carried out.



### **Electronic safety protection (ESP)**

All AIT induction machines in the Industry/Heavy Duty line have Electronic Safety Protection technology. This is essential to intercept any kind of electrical anomaly in the system, such as excessive voltage. In the event of a malfunction, thanks to ESP, the machine will stop without breaking down. An error will then be signaled, so that the fault can be repaired and normal operations can resume.



### **Touch control panel**

The multifunction touch control panel display represents the tangible part of the technological innovation of AIT induction machines. Through this panel, equipped with a very simple graphic interface, the customer can set the different parameters of the machine as he wants, allowing him to carry out any type of operation.

The user can choose the power level of the heat flow to be applied on the material before and during the operation. The temperature of the coolant in the circuits can be kept under control at all times to avoid overheating. Errors, if present, will be promptly indicated on the display.

## OUR CUSTOMIZATION PROJECTS

Even after 20 years, the AIT Induction team is still thinking about what we can do to meet our customers' needs on every occasion.

To this end, we are able to develop a series of projects to customize our machines. In particular, these customizations can include:



**Machine design**



**Software**



**Accessories**



**Optional**

Following a careful evaluation of customer requirements and the operations they intend to carry out, our expert staff will suggest the solution that best suits them



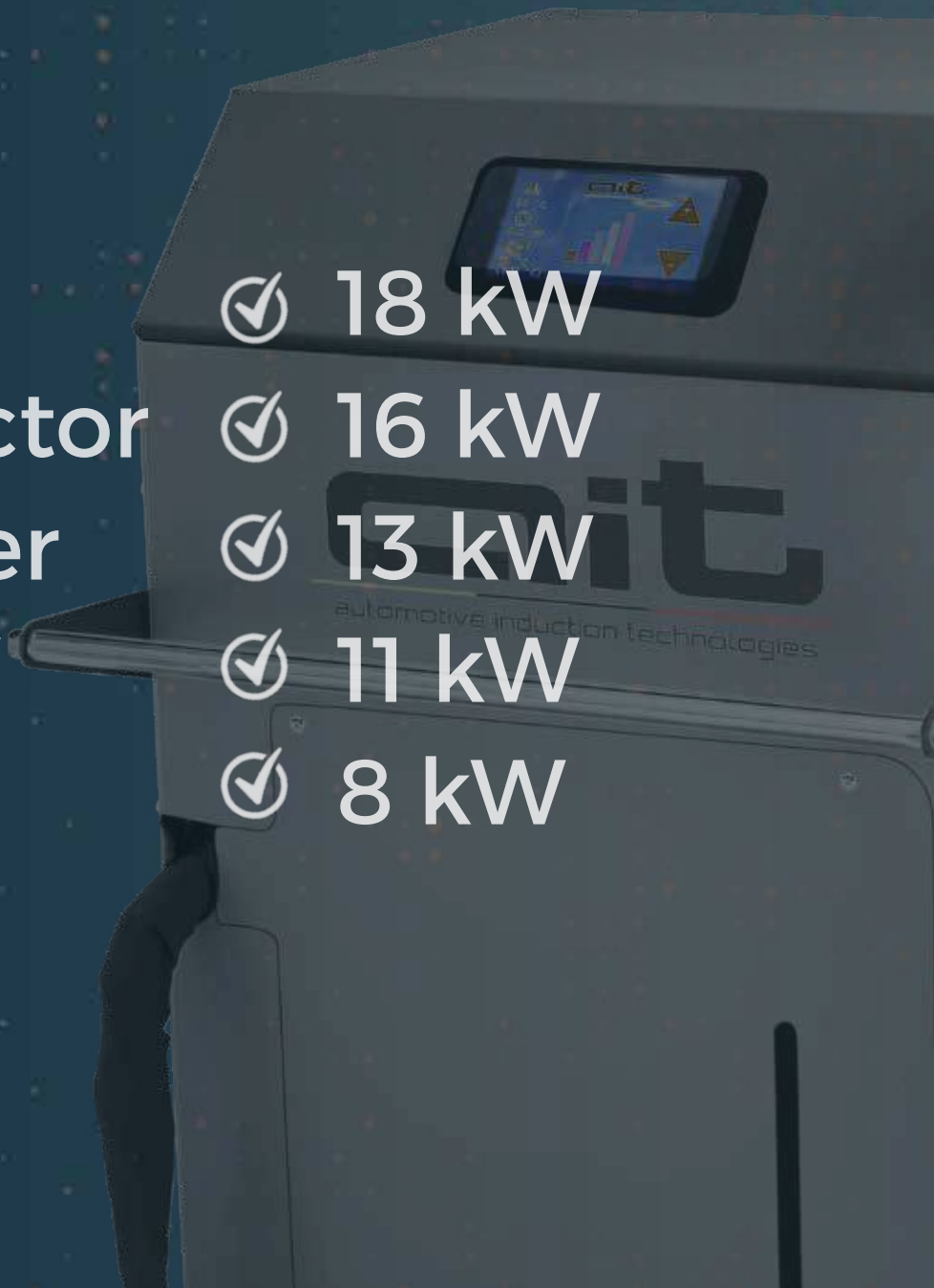
# INDUSTRY & HEAVY DUTY LINE

A COMBINATION OF HIGH END AND UNIQUE BENEFITS

Full range  
Best performance  
All-round

- ✓ Giant
- ✓ Bi Ductor
- ✓ Runner
- ✓ 25 kW
- ✓ 23 kW
- ✓ 21 kW

- ✓ 18 kW
- ✓ 16 kW
- ✓ 13 kW
- ✓ 11 kW
- ✓ 8 kW





## HDi Giant

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panel 7"
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND16kW/S inductor head



**10+**  
inductor  
heads extra  
on request

**INDUCTOR  
HEAD HANDLE  
INCLUDED  
FROM  
21 TO 25kW**



**ART - HDi 18kW Giant**

### APPLICATIONS

The **HDi Giant** heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



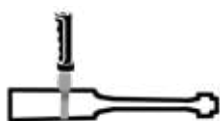
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE FROM  
11kW TO 18kW

### OTHER POWERS AVAILABLE

#### Technical features HDi 18kW Giant



850x920x1430h mm



1000x1000x1580h mm



200 KG



Input power 18 kW - 32 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



2 x 20lt tank - Liquid cooling system



2 x Hydraulic heat exchanger with fan



Directives and  
Certification



## HDi BiDuctor

### UNIQUE BENEFITS

- Any power mix 11kW-21kW
- Heating temperature level setting
- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- 2 x User friendly color Touch control panel 7"
- Long inductor cable 4.25 m
- **Plug and Play** with 2 x art. IND16kW/S inductor head

2 MACHINES IN 1



ART - HDi 11-11kW Biductor



**10+**  
inductor  
heads extra  
on request

**2 X INDUCTOR  
HEAD HANDLE  
INCLUDED  
FROM  
21 TO 25kW**

### APPLICATIONS


The HDi BiDuctor heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing


### OTHER POWER MIX AVAILABLE


#### Technical features HDi 11-11kW BiDuctor

 850x920x1430h mm

 1000x1000x1580h mm

 220 KG

 Power mix (11kW-11kW)

 2 x Input power 11kW-16 A  
Electrical connection IEC60309


 400V/3PH+T 50 

 Working frequency 15-30 KHz

 8 m Network cable

**IP** IP 21 Degree of protection

 Main circuit breaker

 2 x 20lt tank - Liquid cooling system

 2 x Hydraulic heat exchanger with fan

   Directives and Certification

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



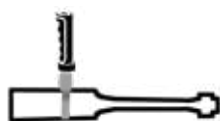
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE FROM  
11kW TO 18kW





## HDi Runner

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panels 5"
- Long inductor cable (from 10 m)
- Heavy Duty portable machine
- **Plug and Play** with art. IND16kW/S inductor head



ART - HDi 16kW Runner



**10+**  
inductor  
heads extra  
on request

**INDUCTOR  
HEAD  
HANDLE  
INCLUDED**

### APPLICATIONS

The HDi Runner heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



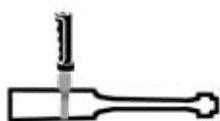
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE FROM  
11kW TO 18kW

### OTHER POWERS AVAILABLE

#### Technical features HDi 16kW Runner



600x600x1140h mm  
500x250x280h mm



800x1200x1350h mm



140 KG + 13 KG



Input power 16 kW - 32 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



CE EAC UK CA Directives and  
Certification



## HDi 25K400 TC

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panel 7"
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND16kW/S inductor head

25kW

COMING  
SOON



**10+**  
inductor  
heads extra  
on request

**INDUCTOR  
HEAD  
HANDLE  
INCLUDED**

**ART - HDi 25K400 TC**

### APPLICATIONS

The **HDi 25K400 TC** heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### CUSTOMIZATION ON REQUEST

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



PEDAL SWITCH



SHS



WIFI



## HDi 23K400 TC

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panel 7"
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND16kW/S inductor head



**10+**  
inductor  
heads extra  
on request

**INDUCTOR  
HEAD  
HANDLE  
INCLUDED**



**ART - HDi 23K400 TC**

### APPLICATIONS

The HDi 23K400 TC heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



PEDAL SWITCH



SHS



WIFI

### Technical features



600x600x1140h mm



800x850x1350h mm



140 KG



Input power 23 kW - 63 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification





## HDi 21K400 TC

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panel 7"
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND16kW/S inductor head



**10+**  
inductor  
heads extra  
on request

**INDUCTOR  
HEAD  
HANDLE  
INCLUDED**



**ART - HDi 21K400 TC**

### APPLICATIONS

The **HDi 21K400 TC** heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



PEDAL SWITCH



SHS



WIFI

### CUSTOMIZATION ON REQUEST

#### Technical features



600x600x1140h mm



800x850x1350h mm



140 KG



Input power 21 kW - 32 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



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Certification



## HDi 18K400 TC

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panel 5"
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND16kW/S inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The HDi 18K400 TC heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



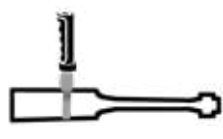
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE



ART - HDi 18K400 TC

### CUSTOMIZATION ON REQUEST

#### Technical features



550x560x1009h mm



800x850x1350h mm



130 KG



Input power 18 kW - 32 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification



## HDi 16K400 TC

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panel 5"
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND16kW/S inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The **HDi 16K400 TC** heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



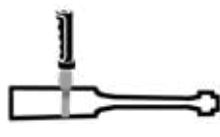
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE



**ART - HDi 16K400 TC**

### CUSTOMIZATION ON REQUEST

#### Technical features



550x560x1009h mm



800x850x1350h mm



130 KG



Input power 16 kW - 32 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



CE EAC UK CA Directives and  
Certification





## HDi 16K400 KB

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly keyboard
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND16kW/S inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The **HDi 16K400 KB** heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



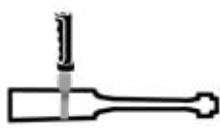
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE



**ART - HDi 16K400 KB**

### CUSTOMIZATION ON REQUEST

#### Technical features



550x560x1009h mm



800x850x1350h mm



130 KG



Input power 16 kW - 32 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification



## HDi 13K400 TC

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panel 5"
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND11kW/M inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The HDi 13K400 TC heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



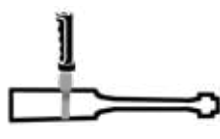
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE



ART - HDi 13K400 TC

### CUSTOMIZATION ON REQUEST

#### Technical features



550x560x1009h mm



800x850x1350h mm



120 KG



Input power 13 kW - 32 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification



## HDi 13K230 TC

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly color touch control panel 5"
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND11kW/M inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The HDi 13K230 TC heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



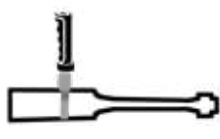
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE



ART - HDi 13K230 TC

### CUSTOMIZATION ON REQUEST

#### Technical features



550x560x1009h mm



800x850x1350h mm



156 KG



Input power 13 kW - 32 A  
Electrical connection IEC60309



230V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification





## HDi 11K400 KB

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly keyboard  
(color touch control panel 5" upon request)
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND11kW/M inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The HDi 11K400 KB heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



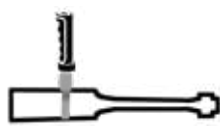
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE



ART - HDi 11K400 KB

### CUSTOMIZATION ON REQUEST

#### Technical features



550x560x1009h mm



800x850x1350h mm



120 KG



Input power 11 kW - 16 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



CE EAC UK CA Directives and  
Certification



## HDi 11K230 KB

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- Electronic safety protection
- Heating temperature level setting
- User friendly keyboard  
(color touch control panel 5" upon request)
- Long inductor cable 4.25 m
- **Plug and Play** with art. IND11kW/M inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The HDi 11K230 KB heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



TIMER



HEAT  
SENSOR IRT



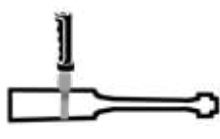
PEDAL SWITCH



SHS



WIFI



INDUCTOR HEAD  
HANDLE



ART - HDi 11K230 KB

### CUSTOMIZATION ON REQUEST

#### Technical features



550x560x1009h mm



800x850x1350h mm



156 KG



Input power 11 kW - 32 A  
Electrical connection IEC60309



230V/3PH+T 50



Working frequency 15-30 KHz



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



CE EAC UK CA Directives and  
Certification



## HDi 8K230 KB

### UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- User friendly keyboard  
(color touch control panel 5" upon request)
- Long inductor cable 3.0 m
- **Plug and Play** with art. IND 5kW/S03 inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The **HDi 8K230 KB** heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Heating for straightening
- Pre-heating before welding
- Bending
- Hardening
- Annealing

### OPTIONALS



PEDAL SWITCH



ART - HDi 8K230 KB


### CUSTOMIZATION ON REQUEST

#### Technical features

 635x525x1080h mm

 800x850x1350h mm

 59 KG

 Input power 8 kW - 16 A  
Electrical connection IEC60309

 230V/3PH+T 50


 Working frequency 15-30 KHz

 8 m Network cable

**IP** IP 21 Degree of protection

 Main circuit breaker

 20lt tank - Liquid cooling system

 Hydraulic heat exchanger with fan



Directives and  
Certification



## NOTES

[illegible]



# GARAGE LINE

A COMBINATION OF HIGH END AND UNIQUE BENEFITS

Full range  
Best performance  
All-round

- ✓ 6 kW
- ✓ 5 kW
- ✓ 3,7 kW
- ✓ 3,5 kW
- ✓ 1 kW





## iT 6K400 LCD

### UNIQUE BENEFITS

- Power level setting (kW)
- Multiple system temperature indicators (°C/°F)
- User friendly LCD panel with 5 heat output levels (Keyboard upon request)
- Long inductor cable (3.0 m)
- **Plug and Play** with art. IND 5kW/S03 inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The iT 6K400 LCD heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Bending
- Removing suspensions, shock absorbers, exhaust mufflers
- Straightening drive shafts

### OPTIONALS



PEDAL SWITCH



ART - iT 6K400 LCD

### CUSTOMIZATION ON REQUEST

#### Technical features



400x340x1000h mm



800x850x1280h mm



66 KG



Input power 6 kW - 16 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



Duty cycle 30 min\* (\* ± 5% based on 20°C room temperature @ max power)



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification



## iT 5K400 KB

### UNIQUE BENEFITS

- Power level setting (kW)
- Keyboard (User friendly LCD panel with 5 heat output levels upon request)
- Long inductor cable (3.0 m)
- **Plug and Play** with art. IND 5kW/S03 inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The iT 5K400 KB heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Bending
- Removing suspensions, shock absorbers, exhaust mufflers
- Straightening drive shafts

### OPTIONALS



PEDAL SWITCH



LCD PANEL



ART - iT 5K400 KB

### CUSTOMIZATION ON REQUEST

#### Technical features



400x340x1000h mm



800x800x1280h mm



66 KG



Input power 5 kW - 16 A  
Electrical connection IEC60309



400V/3PH+T 50



Working frequency 15-30 KHz



Duty cycle 30 min\* (\* ± 5% based on 20°C room temperature @ max power)



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification



## iT 5K230 KB

### UNIQUE BENEFITS

- Power level setting (kW)
- Multiple system temperature indicators (°C/°F)
- Keyboard (User friendly LCD panel with 5 heat output levels upon request)
- Long inductor cable (3.0 m)
- **Plug and Play** with art. IND 5kW/S03 inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The iT 5K230 KB heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Bending
- Removing suspensions, shock absorbers, exhaust mufflers
- Straightening drive shafts

### OPTIONALS



PEDAL SWITCH



LCD PANEL



ART - iT 5K230 KB

### CUSTOMIZATION ON REQUEST

#### Technical features



400x340x1000h mm



800x800x1280h mm



53 KG



Input power 5 kW - 16 A  
Electrical connection IEC60309



230V/3PH+T 50  
230V/1PH+T 50



Working frequency 15-30 KHz



Duty cycle 30 min\* (\* ± 5% based on 20°C room temperature @ max power)



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification





## iT 5K230 KB Lite

### UNIQUE BENEFITS

- Power level setting (kW)
- Keyboard (User friendly LCD panel with 5 heat output levels upon request)
- Long inductor cable (3.0 m)
- **Plug and Play** with art. IND 5kW/S03 inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The iT 5K230 KB Lite heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Bending
- Removing suspensions, shock absorbers, exhaust mufflers
- Straightening drive shafts

### OPTIONALS



PEDAL SWITCH



LCD PANEL



ART - iT 5K230 KB Lite

### CUSTOMIZATION ON REQUEST

#### Technical features



400x340x1000h mm



800x800x1280h mm



50 KG



Input power 5 kW - 16 A  
Electrical connection IEC60309



230V/3PH+T 50  
230V/1PH+T 50



Working frequency 15-30 KHz



Duty cycle 20 min\* (\* ± 5% based on 20°C room temperature @ max power)



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



CE EAC UK CA Directives and Certification



## iT 4K230 KB

### UNIQUE BENEFITS

- Power level setting (kW)
- Multiple system temperature indicators (°C/°F)
- Keyboard (User friendly LCD panel with 5 heat output levels upon request)
- Long inductor cable (3.0 m)
- **Plug and Play** with art. IND 5kW/S03 inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The iT 4K230 KB heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Bending
- Removing suspensions, shock absorbers, exhaust mufflers
- Straightening drive shafts

### OPTIONALS



PEDAL SWITCH



LCD PANEL



ART - iT 4K230 KB

### CUSTOMIZATION ON REQUEST

#### Technical features



400x340x830h mm



800x800x1280h mm



50 KG



Input power 3,7 kW - 16 A  
Electrical connector IEC60309



230V/1PH+T 50



Working frequency 15-30 KHz



Duty cycle 15 min\* (\* ± 5% based on 20°C room temperature @ max power)



8 m Network cable



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Directives and  
Certification



## iT 3.5K230 KB

### UNIQUE BENEFITS

- Power level setting (kW)
- Keyboard (User friendly LCD panel with 5 heat output levels upon request)
- Long inductor cable (3.0 m)
- **Plug and Play** with art. IND 5kW/S03 inductor head



**10+**  
inductor  
heads extra  
on request

### APPLICATIONS

The iT 3.5K230 KB heat inductors are ideal for a wide range of applications such as:

- Bolts/nuts releasing
- Pin or bearing release and replacement
- Bending
- Removing suspensions, shock absorbers, exhaust mufflers
- Straightening drive shafts

### OPTIONALS



PEDAL SWITCH



LCD PANEL



TROLLEY



ART - iT 3.5K230 KB

### CUSTOMIZATION ON REQUEST

#### Technical features



500x250x280h mm



710x410x610h mm



13 KG



Input power 3,5 kW - 16 A  
Electrical connection IEC60309



230V/1PH+T 50



Working frequency 15-30 KHz



Duty cycle 9 min\* (\* ± 5% based on 20°C room temperature @ max power)



2 m Network cable



IP 21 Degree of protection



Main circuit breaker



2lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification



## MINI DUCTOR VENOM<sup>®</sup>

### UNIQUE BENEFITS

- Hand torch flow concentrator
- Integrated power generator
- Locking mechanism designed to facilitate insertion and extraction
- **Plug and Play** with this coils



ART - ED-FL



ED-20



ED-U

### APPLICATIONS

The **MINI DUCTOR<sup>®</sup> VENOM** heat inductors are ideal for a wide range of applications such as:

- Bolts releasing
- Nuts releasing
- Removing exhaust mufflers
- Release of the steering arms



CASE INCLUDED



ART - II MV - 888

### Technical features



370x152x82,2h mm



432x254x127h mm



2,5 KG



Input power 1 kW - 16 A  
Electrical connection IEC60309



230VAC/50



Working frequency 3-30 KHz



Working cycle  
2min ON / 2 min OFF



2 m Network cable



IP 21



Main circuit breaker



Directives and  
Certification





## ACCESSORIES

### VENOM STANDARD COILS



**ART: ED-20 S**

SIDE COIL (Ø 20 mm)

ALSO AVAILABLE:

- ED-25 S (Ø 25 mm)
- ED-30 S (Ø 30 mm)
- ED-35 S (Ø 35 mm)



**ART: ED-20**

STRAIGHT COIL (Ø 20 mm)

ALSO AVAILABLE:

- ED-25 (Ø 25 mm)
- ED-30 (Ø 30 mm)
- ED-35 (Ø 35 mm)



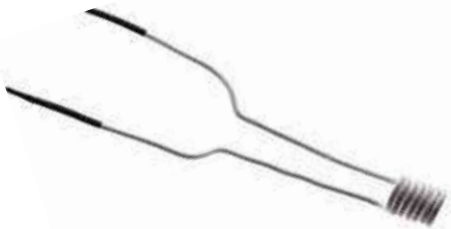
**ART: ED-PC**

PANCAKE COIL



**ART: ED-25 I**

(Ø 25 mm)



**ART: ED-12**

(Ø 12 mm)



**ART: ED-FL**

(LENGTH - 1100 mm)



**ART: ED-U**

(LENGTH - 600 mm)



## NOTES

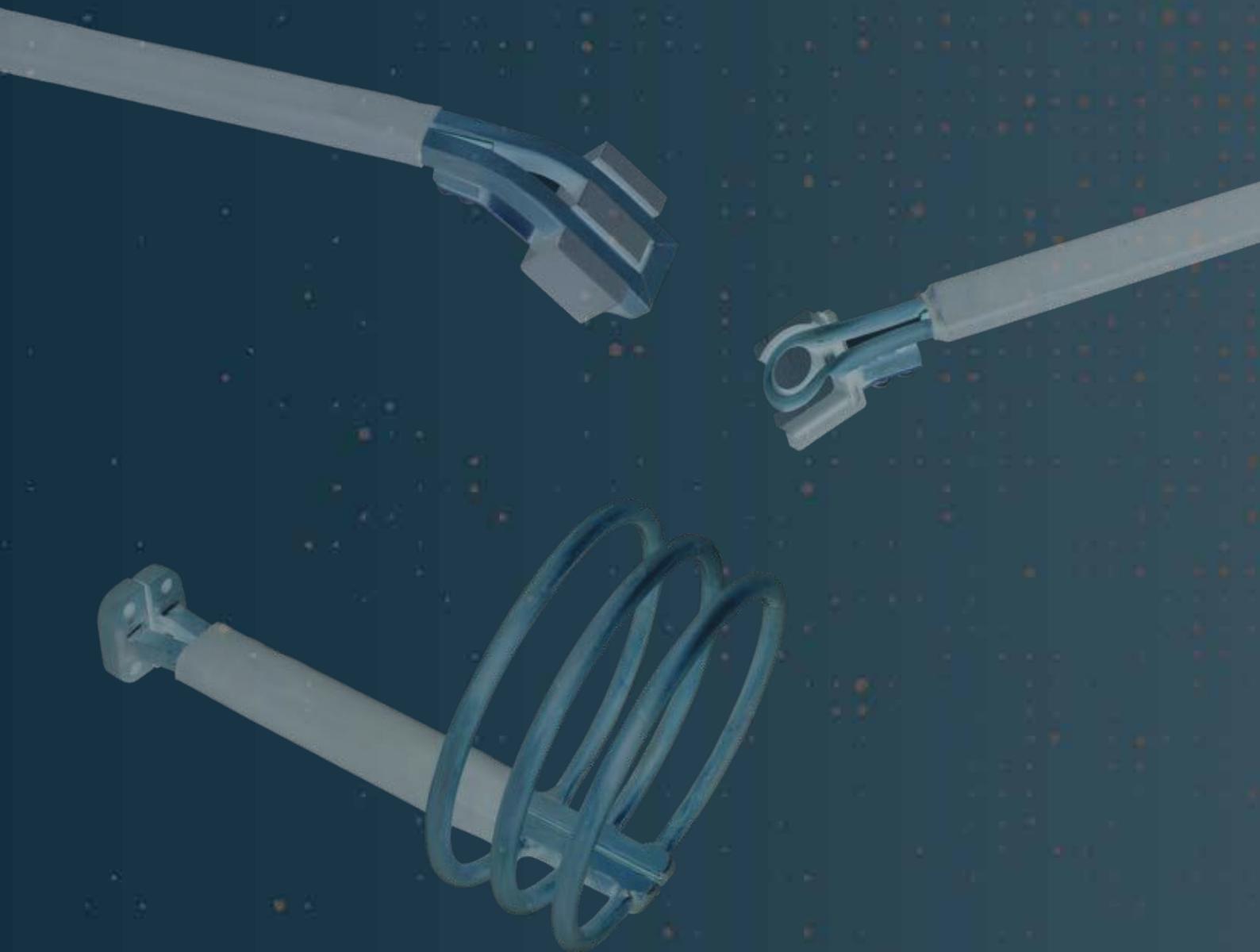
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# ACCESSORIES

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VERY IMPORTANT COMPONENTS FOR THE FUNCTIONING  
OF INDUCTION MACHINES

Full range  
Best performance  
All-round





**ACCESSORIES**

**STANDARD INDUCTOR HEADS**



**Warning note:**  
correct use of the special tips requires that they are activated near the metal to be heated



**SUITABLE FOR:**

**FERRITES**

ART - HDi 25K400 TC  
HDi 23K400 TC  
HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

**ART - IND-16kW/S**

**ART: IND - 16 kW/S 01**



ART - HDi 13K400 TC  
HDi 13K230 TC  
HDi 11K400 KB  
HDi 11K230 KB

**ART - IND-11kW/M**

**ART: IND - 11 kW/M01**



ART - HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB  
HDi 13K400 TC  
HDi 13K230 TC  
HDi 11K400 KB  
HDi 11K230 KB

**ART - IND-11kW S04**

**ART: IND - 5 kW/S 04.1**







## ACCESSORIES

## STANDARD INDUCTOR HEADS



### Warning note:

correct use of the special tips requires that they are activated near the metal to be heated



### SUITABLE FOR:

### FERRITES

ART - HDi 8K230 KB  
iT 6K400 LCD  
iT 5K400 KB  
iT 5K230 KB  
iT 5K230 KB Lite  
iT 4K230 KB  
iT 3,5K230 KB

### ART - IND-5kW/S03

### ART: IND-5kW/S 03.1



ART - HDi 25K400 TC  
HDi 23K400 TC  
HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

### ART - IND-16kW/V

### ART: IND - 16 kW/V 01



ART - HDi 13K400 TC  
HDi 13K230 TC  
HDi 11K400 KB  
HDi 11K230 KB

### ART - IND-11kW/V NT

### ART: IND - 11 kW/V NT.1



ART - HDi 8K230 KB  
iT 6K400 LCD  
iT 5K400 KB  
iT 5K230 KB  
iT 5K230 KB Lite  
iT 4K230 KB  
iT 3,5K230 KB

### ART - IND-5kW/V 03

### ART: IND - 5 kW/V 03.1





## ACCESSORIES

## STANDARD INDUCTOR HEADS



**Warning note:**  
correct use of the special tips requires that they  
are activated near the metal to be heated



### SUITABLE FOR:

ART - HDi 8K230 KB  
iT 6K400 LCD  
iT 5K400 KB  
iT 5K230 KB  
iT 5K230 KB Lite  
iT 4K230 KB  
iT 3.5K230 KB

### ART - IND-5kW/V04



### FERRITES

### ART: IND - 5 kW/V01



ART - HDi 8K230 KB  
iT 6K400 LCD  
iT 5K400 KB  
iT 5K230 KB  
iT 5K230 KB Lite  
iT 4K230 KB  
iT 3.5K230 KB

### ART - IND-5kW/V05





## ACCESSORIES

## SPECIAL INDUCTOR HEADS



### Warning note:

correct use of the special tips requires that they are activated near the metal to be heated



### SUITABLE FOR:

ART - HDi 25K400 TC  
HDi 23K400 TC  
HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

### ART - IND-16kW/T105



Ø 105 mm

ART - HDi 25K400 TC  
HDi 23K400 TC  
HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

### ART - IND-16kW/T80



Ø 80 mm

ART - HDi 25K400 TC  
HDi 23K400 TC  
HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

### ART - IND-11/TT 140

### ART - IND-11/TT 110



Ø 110 mm

Ø 140 mm



## ACCESSORIES

## SPECIAL INDUCTOR HEADS



### Warning note:

correct use of the special tips requires that they are activated near the metal to be heated



### SUITABLE FOR:

ART - HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

### ART - IND-16kW/2



Ø 180 mm

ART - HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

### ART - IND-16kW/4



Ø 65 mm

ART - HDi 16K400 TC  
HDi 16K400 KB

### ART - IND-16kW/3



Ø 30 mm

ART - HDi 13K400 TC  
HDi 13K230 TC  
HDi 11K400 KB  
HDi 11K230 KB

### ART - IND-11kW/U01



Ø 40 mm



## ACCESSORIES

## SPECIAL INDUCTOR HEADS



### Warning note:

correct use of the special tips requires that they are activated near the metal to be heated



SUITABLE FOR:

FERRITES

ART - HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

**ART - IND-16kW/U02**



Ø 68 mm

ART - HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

**ART - IND-16kW/L**



**ART: IND - 16 kW/L01**



ART - HDi 21K400 TC  
HDi 18K400 TC  
HDi 16K400 TC  
HDi 16K400 KB

**ART - IND-16kW/T**



**ART: IND - 16 kW/T01**







## NOTES

[illegible]

# OPTIONAL

A WIDE RANGE OF ITEMS FOR MAXIMUM EFFICIENCY  
OF YOUR MACHINE

Full range  
Best performance  
All-round



- ✓ Heat Sensor iRT
- ✓ Pedal Switch
- ✓ Inductor Head Handle
- ✓ Smart Heating Switch
- ✓ Wifi
- ✓ Display LCD
- ✓ Timer
- ✓ Trolley



**OPTIONALS**

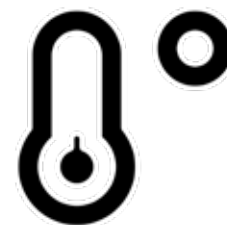
## Heat Sensor iRT

The iRT heat sensor is ideal for targeted heating. It is equipped with integrated laser electronics in the head that detects temperatures from -30°C to 1000°C on metals, oxides and ceramics.

Its laser cross-pointing system offers reliable and precise adjustment of the measuring range even when conditions are difficult, for example when there is heat transfer.

Available for machines with power:

- From 13-25kW, 400V and with Touch Control panel (TC) belonging to the Industry/Heavy Duty Line range.

**ART - iRT****REQUEST EVEN AFTER ORDER**

## Pedal Switch

The Pedal Switch is very functional for operations requiring a long dispensing time, as it allows the machine to run continuously as long as it is pressed.

Available for machines with power:

- From 4kW to 23kW + Giant, Biductor and Runner

**ART - PX-10110****REQUEST EVEN AFTER ORDER**

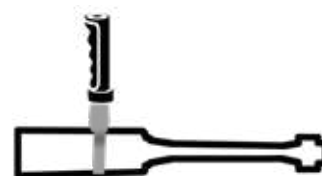
## Inductor Head Handle

In order to make it easier to grip the handpiece, AIT offers an additional Inductor head handle as an option. This can be integrated into machines in the "Heavy Duty" range, which have a power rating of between 11 and 18 kW, as they have a heavier handpiece to use over a longer period of time.

Machines with a power rating of 21kW or more incorporate this inductor head handle as standard.

Available for machines with power:

- From 11kW to 18kW + Giant, Biductor and Runner with power below 21kW

**ART - HANDLE23****REQUEST EVEN AFTER ORDER**

**OPTIONAL**

## **SHS - Smart Heating Switch**

The integrated Smart Heating Switch is ideal for those who desire automation. Once switched on, it allows the machine to deliver heat flow continuously, without the need to hold down the standard delivery button on the handpiece

**ART - SHS**

Available for machines with power:

- From 13kW to 23kW + Giant, Biductor and Runner

**REQUEST ONLY BEFORE ORDER**

## **Wi/FI - Wlan Direct Connect**

The integration of Wi-Fi on our induction machines helps industry to move into the digital world, transforming it into 4.0. This optional allows the user to have the machine always at hand, controlling all its functional parameters, printing reports of work cycles and diagnosing any faults even remotely.

**ART - Wi-Fi**

Available for machines with power:

- From 13kW to 23kW + Giant, Biductor and Runner

**REQUEST ONLY BEFORE ORDER**

## **Display LCD**

Thanks to the digital interface, the liquid crystal display (LCD) facilitates better communication with the machine. It allows the user to select the desired heat output levels and to keep the coolant temperature under control at all times.

**ART -IND-LCD**

Available for machines with power:

- Garage line

**REQUEST ONLY BEFORE ORDER**



OPTIONALS

## Timer

The timer meets the need for those operations that require a precise heating time. Once set for the desired induction period, the machine will deliver heat continuously until it is finished. This option prevents overheating of the material.



ART - TIMER

Available for machines with power:

- From 13kW to 23kW + Giant, Biductor and Runner

REQUEST ONLY BEFORE ORDER

## Trolley

The trolleys are easy to handle thanks to their four wheels, making it possible to transport smaller machines wherever they are needed. The two trays underneath are very functional for storing various machine accessories or work tools.



### ART. THA05

255x420x710h mm

Perfect for:

- Easy Dent
- Hot Air

### ART. THA04

490x360x780h mm

Perfect for:

- IT 3.5K230 KB
- Combo
- I Ductor

ART. THA05

ART. THA04

REQUEST EVEN AFTER ORDER





## **CUSTOMIZED WOODEN PALLET & CARTON PACKAGING**

AIT takes care of every detail and considers it essential that the transport of products from the company to the customer takes place in absolute safety. For this reason, all our machines are packed in very strong cardboard boxes and then placed on special wooden pallets that guarantee a stable base during transport.



**ART - IND-5kW/IMB.01  
IND-11kW/IMB.01**

### **ART - IND-5kW/IMB.01**

#### **REQUIRED FOR:**

ART - iT 6K400 LCD  
iT 5K400 KB  
iT 5K230 KB  
iT 5K230 KB Lite  
iT 4K230 KB

### **ART - IND-11kW/IMB.01**

#### **REQUIRED FOR:**

ART - HDi 18kW GIANT  
HDi 11-11kW Bi DUCTOR  
HDi 16kW RUNNER  
HDi 25K400 TC - HDi 23K400 TC  
HDi 21K400 TC - HDi 18K400 TC  
HDi 16K400 TC - HDi 16K400 KB  
HDi 13K400 TC - HDi 13K230 TC  
HDi 11K400 KB - HDi 11K230 KB  
HDi 8K230 KB



## NOTES

# COLLISION LINE

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THE POWER OF INDUCTION AND HIGH-QUALITY  
TECHNOLOGY FOR COLLISION REPAIR

Full range  
Best performance  
All-round



- ✓ COMBO Line
- ✓ INDUCTOR Line
- ✓ Easy Dent





## COMBO 5K400 LCD - All Rounder

2 MACHINES IN 1

### UNIQUE BENEFITS

- Control panel interface with key pad and leds with 5 heat output levels
- Power board unit
- Hydraulic radiator group
- Inductor transformer cable (3,0 m)
- Foot pedal accessory with cable (2,2 m)

### APPLICATIONS

The **Combo 5K400 LCD** heat inductors are ideal for a wide range of applications such as:

#### COLLISION

- Heated rear windows/side windows
- Car sunroof glass
- Moldings
- Adhesives and stickers without residues paint
- Sealants and/or sound insulation materials
- Tar liner
- Structural glue

#### INDUCTION:

- Blocked tyres
- Wheel alignment

### INCLUDED ACCESSORIES



ART: IND/GLOVE.C  
HEATING GLOVE



ART: IND/GLASS.C  
GLASS REMOVER



ART: IND 5kW/S03  
50 INDUCTOR HEAD




ART: DENT-001.C  
DENT REMOVAL




### ART - it COMBO 5K all rounder


CUSTOMIZATION ON REQUEST



#### Technical features

 400x340x1000h mm

 800x800x1280h mm

 66 KG

 Input power 5 kW - 16 A  
Electrical connection IEC60309

 400V/3PH+T 50  
230V/1PH (or 3PH) 

 Working frequency 15-30 Khz


 Duty cycle 30 min\* (\* ± 5% based on 20°C room temperature @ max power)

 8 m Network cable

**IP** IP 21 Degree of protection

 Main circuit breaker

 20lt tank - Liquid cooling system

 Hydraulic heat exchanger with fan



Directives and  
Certification



## COMBO 5K Suite

In addition to the “All Rounder” the **Combo 5k400** is available in different combinations according to the different accessories included

### ART - IT COMBO 5K Classic

iT 5K400 LCD + Side Inductor + Heating Glove + Glass Remover



Side Inductor IND5kW/S03



ART: IND/GLOVE.C  
HEATING GLOVE



ART: IND/GLASS.C  
GLASS REMOVER

### ART - IT COMBO 5K Repair

iT 5K400 LCD + Side Inductor + Glass Remover



Side Inductor IND5kW/S03



ART: IND/GLASS.C  
GLASS REMOVER

### ART - IT COMBO 5K Basic

iT 5K400 LCD + Side Inductor



Side Inductor IND5kW/S03





## COMBO All Rounder

2 MACHINES IN 1

### UNIQUE BENEFITS

- Control panel interface with key pad and leds with 5 heat output levels
- Power board unit
- Hydraulic radiator group
- Inductor transformer cable (3,0 m)
- Foot pedal accessory with cable (2,2 m)

### APPLICATIONS

The **Combo All Rounder** heat inductors are ideal for a wide range of applications such as:

#### COLLISION

- Heated rear windows/side windows
- Car sunroof glass
- Moldings
- Adhesives and stickers without residues paint
- Sealants and/or sound insulation materials
- Tar liner
- Structural glue

#### INDUCTION:

- Blocked tyres
- Wheel alignment

### INCLUDED ACCESSORIES



ART: IND/GLOVE.C  
HEATING GLOVE



ART: IND/GLASS.C  
GLASS REMOVER



ART: IND 5kW/S03  
52 INDUCTOR HEAD



ART: DENT-001.C  
DENT REMOVAL



ART - COMBO All Rounder

CUSTOMIZATION ON REQUEST

#### Technical features



485x330x405h mm



700x400x500h mm



15 KG



Input power 3,5 kW - 16 A  
Electrical connection IEC60309



230V/1PH+T 50



Working frequency 15-30 Khz



Duty cycle 9 min\* (\* ± 5% based on 20°C room temperature @ max power)



2 m Network cable



IP 21 Degree of protection



Main circuit breaker



2lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and  
Certification



## COMBO Suite

In addition to the “All Rounder” the **Combo** is available in different combinations according to the different accessories included

### ART - COMBO Classic

3.5K230KB + Side Inductor + Heating Glove + Glass Remover



Side Inductor IND5kW/S03



ART: IND/GLOVE.C  
HEATING GLOVE



ART: IND/GLASS.C  
GLASS REMOVER

### ART - COMBO Repair

3.5K230KB + Side Inductor + Glass Remover



Side Inductor IND5kW/S03



ART: IND/GLASS.C  
GLASS REMOVER

### ART - COMBO Basic

3.5K230KB + Side Inductor



Side Inductor IND5kW/S03



## I DUCTOR All Rounder

### UNIQUE BENEFITS

- 7x4 cm character digital LCD control display
- Dial selector control knob used to adjust the power intensity
- Power board unit
- Foot pedal accessory with cable (2,2 m)
- Glass remover accessory with cable (2,2 m)
- Heating glove accessory with cable (2,2 m)
- Nut-bolt heater with cable (2,2 m)
- Dent removal with cable (4,8 m)

### APPLICATIONS

The **I Ductor All Rounder** heat inductors are ideal for a wide range of applications such as:

- Heated rear windows
- Side windows
- Car sunroof glass
- Moldings
- Adhesives and stickers without residues paint
- Sealants and/or sound insulation materials
- Tar liner
- Structural glue

### INCLUDED ACCESSORIES



ART: IND/GLOVE  
HEATING GLOVE



ART: IND/GLASS  
GLASS REMOVER



ART: IND/BULL  
54 NUT-BOLT HEATER



ART: DENT-001.ID  
DENT REMOVAL



**ART - I DUCTOR/P04**

### Technical features



195x360x300h mm



340x430x320h mm



12 KG



Input power 3,0 kW - 16 A  
Electrical connection IEC60309



230V/1PH - 50/60



Working frequency 19 KHz



3 m Network cable



IP 23 Degree of protection



Main circuit breaker



EAC

UK  
CA

Directives and  
Certification



## I DUCTOR Suite

In addition to the “All Rounder” the I DUCTOR is available in different combinations according to the different accessories included

### ART - I DUCTOR/P03 - Classic

I DUCTOR + Nut-Bolt Heater + Heating Glove + Glass Remover



ART: IND/BULL  
NUT-BOLT HEATER



ART: IND/GLOVE  
HEATING GLOVE



ART: IND/GLASS  
GLASS REMOVER

### ART - I DUCTOR/P02 - Repair

I DUCTOR + Heating Glove + Glass Remover



ART: IND/GLOVE  
HEATING GLOVE



ART: IND/GLASS  
GLASS REMOVER

### ART - I DUCTOR/P01 - Basic

I DUCTOR + Glass Remover



ART: IND/GLASS  
GLASS REMOVER



## COMBO STANDARD ACCESSORIES

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**ART: IND/GLOVE.C**  
HEATING GLOVE

---



**ART: DENT-001.C**  
DENT REMOVAL

---



**ART: IND/GLASS.C**  
GLASS REMOVER

---



**ART: IND/BULL.C**  
NUT-BOLT HEATER

---



**ART: IND/PNEUM**  
FOOT PEDAL

---



**ART: MGBM - 446/1**  
PLASTIC WEDGE

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## I DUCTOR STANDARD ACCESSORIES

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**ART: IND/GLOVE**  
HEATING GLOVE

---



**ART: DENT-001.ID**  
DENT REMOVAL

---



**ART: IND/GLASS**  
GLASS REMOVER

---



**ART: IND/BULL**  
NUT-BOLT HEATER

---



**ART: IND/PNEUM**  
FOOT PEDAL

---



**ART: MGBM - 446/1**  
PLASTIC WEDGE

---



## EASY DENT

### UNIQUE BENEFITS

- Dial selector control knob used to adjust the power intensity
- Power board unit
- Dent removal cable (4,8 m)



ART - DENT-01

### APPLICATIONS

The **Easy Dent** heat inductors are ideal for a wide range of applications such as:

- Small and soft dents/waves and shrink overstretched metal
- Perfect as a finishing tool for PDR technician.

### OPTIONALS



TROLLEY

### Technical features



200x320x175h mm



290x400x280h mm



6 KG



Input power 1 kW - 16 A  
Electrical connection IEC60309



230V/1PH - 50/60



Working frequency 50-60 Khz



2 m Network cable



IP 23 Degree of protection



Main circuit breaker



Directives and  
Certification

# PLASTIC REPAIR SYSTEM

---

A WIDE RANGE OF PRODUCTS TO SATISFY ALL THE WORKSHOP NEEDS

Full range  
Best performance  
All-round



- ✓ Bi-Gas
- ✓ Ultraweld
- ✓ Hot Air
- ✓ Easy Fix
- ✓ Mini Fix





## BI-GAS

### UNIQUE BENEFITS

- Adjustable used temperature
- 2 air pressure regulation values
- 3 gas pressure regulation values
- Thermal protection
- Touch control panels user interface
- Separate air and gas inlet
- Nitrogen N2 bottle housing (bottle not included)
- Accessories support
- Air gun cable (1.8 m long)
- Heating gun cable (2 m long)

### APPLICATIONS

**BI-GAS** is the welding system that allows you to work with Nitrogen N2 or Air depending on your repair needs.

#### Why Nitrogen N2?

- Permanent weld
- No contamination, no smoke, no fire, no oxidation
- Maximum strength

Equipped with a gas welding gun that allows you to work with both Nitrogen N2 and Air, light and easy to handle, for quick and safe operations, complete of metal staples applications heat gun.

#### You can easy repair:

- Car bumpers
- Plastic parts
- Interior parts



ART - BI - GAS

#### Technical features



490x420x920h mm



800x800x930h mm



33 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



Hz



8 m Network cable



IP 21 Degree of protection



Directives and Certification



BACK



SIDE WITH ACCESSORIES  
SUPPORT AND AIR GUN



TOP DETAIL



## BI - GAS WITH MEMBRANE GENERATOR

### UNIQUE BENEFITS

- Adjustable used temperature
- 2 air pressure regulation values
- 3 gas pressure regulation values
- Thermal protection
- Touch control panels user interface
- Separate air and gas inlet
- Nitrogen N2 bottle housing (bottle not included)
- Accessories support
- Air gun cable (1.8 m long)
- Heating gun cable (2 m long)
- Membrane generator

### APPLICATIONS

**BI-GAS/MG** is the welding system that allows you to work with Nitrogen N2 or Air depending on your repair needs.

#### Why Nitrogen N2?

- Permanent weld
- No contamination, no smoke, no fire, no oxidation
- Maximum strength

Equipped with a gas welding gun that allows you to work with both Nitrogen N2 and Air, light and easy to handle, for quick and safe operations, complete of metal staples applications heat gun.

#### You can easy repair:

- Car bumpers
- Plastic parts
- Interior parts



**ART - BI - GAS/MG**

#### Technical features



490x420x920h mm



800x800x930h mm



35 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



8 m Network cable



IP 21 Degree of protection



EAC

UK  
CA

Directives and  
Certification



BACK



SIDE WITH ACCESSORIES  
SUPPORT AND AIR GUN



TOP DETAIL



**ART. BI-GAS 016**  
GENERATOR





## ULTRAWELD

### UNIQUE BENEFITS

- Adjustable operating times
- Touch control panels user interface
- Accessory support
- Gun cable (1.1 m long)
- 1 titanium sonotrodes (one 75mm 12-pin)
- 1 grub screws

### APPLICATIONS

The **ULTRAWELD** welding system is ideal for a wide range of applications such as:

- Car bumpers
- Plastic parts
- Internal parts
- Bumper sensor holders
- BSD brackets

### INCLUDED ACCESSORIES



Grub screws  
and hex key



Titanium sonotrodes  
(75mm 12-pin)



GUN DETAIL



**ART - ULTRAWELD**

### Technical features



490x340x830h mm



800x800x1280h mm



40 KG



Input power 320 W - 16A  
Electrical connection IEC60309



230V/1PH 50/60



Working frequency 40 KHz



8 m Network cable



IP 21 Degree of protection



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## ULTRAWELD ACCESSORIES



### ART: U-985001

12-PIN SONOTRODE 75 mm



### ART: U-985004

12-PIN SONOTRODE 130 mm



### ART: U-985002

3 SPHERICAL GROOVE SONOTRODE 75 mm



### ART: U-985005

3 SPHERICAL GROOVE SONOTRODE 130 mm



### ART: U-985003

SONOTRODE WITH KNURLING 75 mm



### ART: U-985006

SONOTRODE WITH KNURLING 130 mm



### ART: U-985008

SONOTRODE WITH CHECKERING  
SUITABLE FOR ANGULAR REPAIR



## HOT AIR

### UNIQUE BENEFITS

- Compact and transportable unit
- Digital LCD display with back light showing set and working temperature
- Temperature selector button (150-480°)
- Temperature scale selector (°C/°F)
- Air flow control knob
- Heat led indicator
- Blow activation switch
- Power on switch
- Power unit
- Thermocouple temperature sensor
- Diaphragm air pump
- Air nozzle
- Gun support

**ART - WELDER/05**

### APPLICATIONS

The **HOT AIR** welding system is ideal for a wide range of applications such as:

- Car bumpers
- Plastic parts
- Interior parts

### OPTIONALS

**TROLLEY**

### Technical features



160x160x250h mm



420x280x340h mm



3 KG

Input power 320 W - 16 A  
Electrical connection IEC60309

230V/1PH 50/60



1,5 m Network cable



IP 21 Degree of protection

Directives and  
Certification**GUN DETAIL**



## EASY FIX

### UNIQUE BENEFITS

- Compact hot staple gun
- Power unit
- Transformer
- Power cable
- Variable power regulation knob (with 3 heat level)
- Usable with corner flat wave staples (100 pcs. provided)
- Heating gun cable 1.5 m

### APPLICATIONS

The **EASY FIX** welding system is ideal for a wide range of applications such as:

- Car bumpers
- Plastic parts like bulbs holder
- Engine parts support
- Internal parts

### OPTIONALS



TROLLEY



ART - HST-01

### Technical features



160x150x250h mm



160x370x160h mm



1 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



1,5 m Network cable



IP 21 Degree of protection



Directives and Certification



APPLICATION  
DETAIL



GUN DETAIL



## MINI FIX

### UNIQUE BENEFITS

- Compact hot staple gun
- Power unit
- Transformer
- Power cable
- Usable with corner flat wave staples (not provided)
- Heating gun cable (2.5 m)



ART - HST-01/MINI

### APPLICATIONS

The **MINI FIX** welding system is ideal for a wide range of applications such as:

- Car bumpers
- Plastic parts like bulbs holder
- Engine parts support
- Internal parts

### OPTIONALS



TROLLEY

### Technical features



170x90x80h mm



160x370x160h mm



0,7 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



1,5 m Network cable



IP 21 Degree of protection



EAC

UK  
CA

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Certification



APPLICATION  
DETAIL



GUN DETAIL



## PLASTIC WELDER ACCESSORIES



**ART: HST-01/ MAN**  
EASY FIX GUN



**ART: WELD/T**  
TRIANGULAR CUTTER



ART. HST-01/A 0,6 mm HST-01/C HST-01/D HST-01/E  
ART. HST-01/B 0,8 mm

**ART: HST-01/...**  
STAPLES (100PZ)



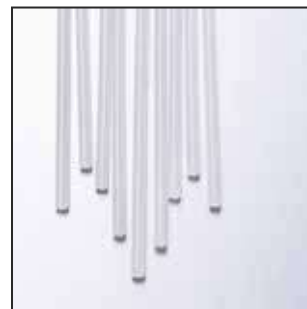
**ART: WELD/R**  
ROLLER



**ART. WELD / 01**  
8 MM FLAT BLACK PP\* STRIP (15 PCS)



**ART. WELD / 03**  
8 MM FLAT WHITE PP\* STRIP (15 PCS)



**ART. WELD / 05**  
KIT WIRES (5x3 TYPES PCS)





## COOLING FLUID LRA

### CHARACTERISTICS

• <b>BASE</b>	Low pour point refrigerant polymers
• <b>APPEARANCE</b>	Colorless and odorless liquid
• <b>SPECIFIC WEIGHT</b>	1,030 g/cm <sup>3</sup>
• <b>VISCOSITY</b>	<100 cP
• <b>Ph</b>	7/8
• <b>REFRACTIVE INDEX</b>	1.369 nD (20°C)
• <b>BOILING POINT</b>	102°C
• <b>SPECIFIC HEAT</b>	3,9 kJ/kg K
• <b>THERMAL CONDUCTIVITY</b>	0,45 W/m k (25°C)
• <b>DISCARDED CHLORIDE</b>	<2 ppm
• <b>SULPHIDES DISSOLVED</b>	<2 ppm
• <b>HARDNESS</b>	<0,1 mol/m <sup>3</sup>
• <b>BIODEGRADABILITY</b>	Complete
• <b>FOAMING POWER</b>	Null
• <b>SOLUBILITY</b>	Soluble in water in every ratio

**ART - LRA20**

Cooling liquid 20 Lt

**ART - LRA5**

Cooling liquid 5 Lt

### APPLICATIONS

This **COOLING FLUID LRA** is a coolant for induction heating circuits, cooling systems and scientific instrumentation. Thanks to its formulation allows working at temperatures from -20 °C to + 120 °C as a protective and permanent antifreeze mixture with very low conductivity.

It contains corrosion inhibitors that protect the cooling circuit and does not attack metals (Copper, Steel, Aluminum, Alloys etc.) according to ASTM 1384 Test.

The **COOLING FLUID LRA** is compatible with all plastic materials and elastomers (PP, PVC, HDPE, EPDM, NBR etc.). The ingredients of the liquid are listed in accordance to the Food and Drug Administration (FDA) -Part 182- Part 184.

### HOW TO USE

Add the product without diluting it in the cooling circuit or machine tank. Before filling and commissioning it is important to wash the hydraulic circuits of the machine with water and compressed air to eliminate the processing residues or existing sediments already used in the unit. Do not mix with antifreeze or other liquids and drain the cooling circuits of the equipment that contained other types of antifreeze.



**cit**<sup>®</sup>

*FULL RANGE | BEST PERFORMANCE | ALL-ROUND*

# Join the green side



Very low enviromental impact



No naked flame



Plastic free





## LEGEND



Electrical power plug - 5 pole



Electrical power plug - 4 pole



Electrical power plug - 3 pole



Electrical Schuko power plug



Voltage



Frequency



Working frequency



Duty cycle



Network cable length



Degree of protection



Main circuit breaker



Tank capacity



Hydraulic heat exchanger with fan



Machine dimension



Packaging dimension



Weight



Air cooling system



Directives and Certification

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