



nit[®]

automotive induction technologies

GENERAL CATALOGUE 2022-A



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nit[®]

automotive induction technologies

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 23kW
- 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 CUSTOMIZATON 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

✓ 23 kW

✓ 21 kW

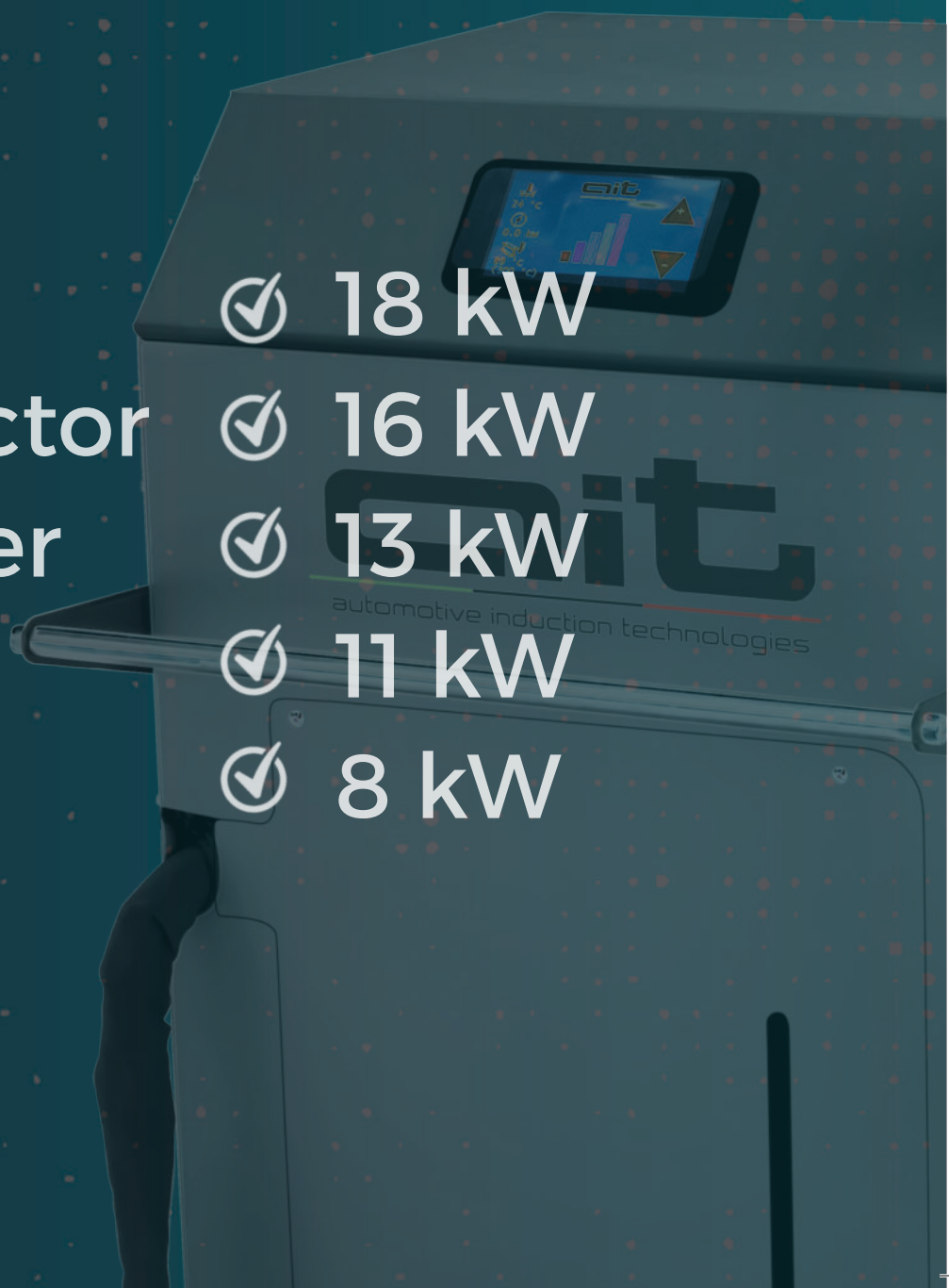
✓ 18 kW

✓ 16 kW

✓ 13 kW

✓ 11 kW

✓ 8 kW





HDi Giant

UNIQUE BENEFITS

SPECIAL

- Easy-to-use 7" color Touch control panel
- Power from 11 to 23 kW
- Double tank of 20L
- Continuous mode - duty cycle > 80%
- Patent pending for double optimized hydraulic system
- Automatic patented cooling switch mode



CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

ART - HDi 18kW Giant

APPLICATION

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

Technical features HDi 18kW Giant

- 850x920x1430h mm
- 1000x1000x1580h mm
- 200 KG
- 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



WIFI



SHS



PEDAL SWITCH



INDUCTOR HEADS EXTRA ON REQUEST



INDUCTOR HEAD HANDLE FROM 11kW TO 18kW



HDi BiDuctor

2 MACHINES IN 1

UNIQUE BENEFITS

- 2 Machines in 1
- Power from 11 to 23 kW
- Possible power mix
- Optimal solution to have a machine and two operators at work at the same time with two inductors standard or custom



ART - HDi 11-11kW Biductor

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

APPLICATION

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

Technical features HDi 11-11kW BiDuctor

850x920x1430h mm

1000x1000x1580h mm

220 KG

IP IP 21 Degree of protection

Main circuit breaker

2 x 20lt tank - Liquid cooling system

2 x Hydraulic heat exchanger with fan

EAC UK CA Directives and Certification

OPTIONALS



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW



HDi Runner

UNIQUE BENEFITS

SPECIAL

- Power from 8 to 16 kW
- Separate cooling unit
- Portable control unit with hose package from 4,25 m
- Additional cooling unit with cable 10 m inductor
- Design studied for operations that require interventions with particularly difficult access



ART - HDi 16kW Runner

CUSTOMIZATIONS

- HOSE PACKAGE DESIGN
- INDUCTOR COIL & TIPS

APPLICATION

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

Technical features HDi 16kW Runner

600x600x1140h mm
500x250x280h mm

800x1200x1350h mm

140 KG + 13 KG

IP IP 21 Degree of protection

Main circuit breaker

20lt tank - Liquid cooling system

Hydraulic heat exchanger with fan

EAC UK CA Directives and Certification

OPTIONALS



TIMER



HEAT SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR HEADS EXTRA ON REQUEST



INDUCTOR HEAD HANDLE FROM 11kW TO 18kW



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
- 10+ alternative inductor heads on request
- **Plug and Play** with art. IND16kW/S inductor head

APPLICATION

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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



ART - HDi 23K400 TC

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



EAC UK CA 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
- 10+ alternative inductor heads on request
- Inductor head handle included
- **Plug and Play** with art. IND16kW/S inductor head



ART - HDi 21K400 TC

APPLICATION

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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA 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



EAC UK CA Directives and 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
- 10+ alternative inductor heads on request
- **Plug and Play** with art. IND16kW/S inductor head

APPLICATION

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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW



ART - HDi 18K400 TC

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
- 10+ alternative inductor heads on request
- **Plug and Play** with art. IND16kW/S inductor head



ART - HDi 16K400 TC

APPLICATION

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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

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



EAC UK CA Directives and Certification



HDi 13K400 TC

- 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



ART - HDi 13K400 TC

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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

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
- 10+ alternative inductor heads on request
- **Plug and Play** with art. IND11kW/M inductor head



ART - HDi 13K230 TC

APPLICATION

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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR
HEAD
HANDLE

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



EAC UK CA Directives and Certification



HDi 11K400 TC - HDi 11K400 KB

UNIQUE BENEFITS

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



ART - HDi 11K400 TC

ART - HDi 11K400 KB

APPLICATION

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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS

AVAILABLE FOR TOUCH CONTROL VERSIONS ONLY



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

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



EAC UK CA Directives and
Certification



HDi 11K230 TC - HDi 11K230 KB

UNIQUE BENEFITS

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



ART - HDi 11K230 TC

ART - HDi 11K230 KB

APPLICATION

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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS

AVAILABLE FOR TOUCH CONTROL VERSIONS ONLY



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

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



Directives and
Certification



HDi 8K400 TC - HDi 8K230 TC

UNIQUE BENEFITS

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



APPLICATION

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

ART - HDi 8K400 TC

ART - HDi 8K230 TC

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS

OPTIONALS



TIMER



HEAT
SENSOR IRT



WIFI



SHS



PEDAL SWITCH



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

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 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



CE EAC UK CA Directives and Certification



Customizations

HOSE PACKAGE

Whether you need to heat in large areas or large parts, we can extend the length up to 10m by modifying the pump.



DESIGN

It is possible to customize your machine with different colors, your logo and custom graphics. Always with a minimum order quantity.



TIPS

On request, AIT is able to design and produce new inductor heads according to the required specifications and on-site testing.



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)
- Alternative inductor heads on request
- **Plug and Play** with art. IND 5kW/S03 inductor head

APPLICATION

- 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



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)
- Alternative inductor heads on request
- **Plug and Play** with art. IND 5kW/S03 inductor head

APPLICATION

- 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

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



EAC UK CA 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)
- Alternative inductor heads on request
- **Plug and Play** with art. IND 5kW/S03 inductor head

APPLICATION

- 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



Technical features

 400x340x1000h mm


 800x800x1280h mm

 53 KG

 Input power 5 kW - 16 A
Electrical connection IEC60309

 230V/3PH+T 50  Hz
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 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)
- Alternative inductor heads on request
- **Plug and Play** with art. IND 5kW/S03 inductor head

APPLICATION

- 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

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



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)
- Alternative inductor heads on request
- **Plug and Play** with art. IND 5kW/S03 inductor head

APPLICATION

- 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

Technical features



400x340x830h mm



800x800x1280h mm



50 KG



Input power 3,7 kW - 16 A
Electrical connecton 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



EAC UK CA 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)
- Alternative inductor heads on request
- **Plug and Play** with art. IND 5kW/S03 inductor head

APPLICATION

- 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

Technical features

- 500x250x280h mm
- 710x410x610h mm
- 13 KG
- Input power 3,5 kW - 16 A
Electrical connection IEC60309
- 230V/1PH+T 50 Hz
- Working frequency 15-30 KHz
- Duty cycle 9 min* (* ± 5% based on 20°C room temperature @ max power)
- 2 m Network cable
- IP IP 21 Degree of protection
- Main circuit breaker
- 2lt tank - Liquid cooling system
- Hydraulic heat exchanger with fan

Directives and Certification



MINI DUCTOR VENOM[®]

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



ART - II MV - 888

APPLICATIONS

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



CASE INCLUDED

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 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



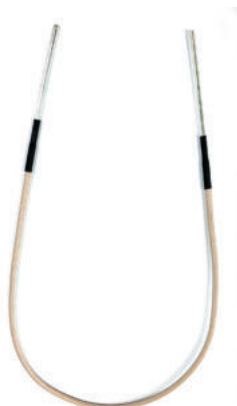
ART: ED-25 I
(Ø 25 mm)



ART: ED-12
(Ø 12 mm)



ART: ED-FL
(LENGTH - 1100 mm)



ART: ED-U
(LENGTH - 600 mm)



SUMMARY

CATEGORIES	APPLICATION FIELDS		
SPECIALI	INDUSTRY		
23-21 kW	INDUSTRY	TRUCK	FARM
18-16 kW	INDUSTRY	TRUCK	FARM
13-8 kW	TRUCK		
4-6 kW	COMMERCIAL VEHICLES		
3,5 kW	AUTOMOTIVE (PROFESSIONAL)		
1 kW	AUTOMOTIVE		

POWER	GIANT	BI DUCTOR	RUNNER
23 kW	✓		
21 kW	✓	✓	
18 kW	✓	✓	
16 kW	✓	✓	✓
13 kW	✓	✓	✓
11 kW	✓	✓	✓
8 kW	✓	✓	✓

ACCESSORIES

VERY IMPORTANT COMPONENTS FOR THE FUNCTIONING
OF INDUCTION MACHINES

Full range

Best performance

All-round





ACCESSORIES

INDUCTOR HEADS HDi SERIES



The **wide range** of inductor heads further improves versatility and performance, using the tip of the most appropriate shape is crucial. There are multiple conditions of use of a inductor heads that require a specific shape or in many cases an ad hoc customization. **AIT** offers **customized developments** on request and with dedicated tests.



STANDARD INDUCTOR HEADS

SUITABLE FOR:

FERRITES

ART - 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



ART - 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





ACCESSORIES

INDUCTOR HEADS HDi SERIES



AIT offers **customized developments** on request and with dedicated tests.



STANDARD INDUCTOR HEADS

SUITABLE FOR:

FERRITES

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 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





ACCESSORIES

INDUCTOR HEADS HDi SERIES



AIT offers **customized developments** on request and with dedicated tests.
Round tips can be customised in diameter.



SPECIAL INDUCTOR HEADS

SUITABLE FOR:

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

ART - IND-16kW/2



Ø
FROM **T120**
TO **T 180** mm

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

ART - IND-16kW/4



Ø 65 mm

ART - 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
FROM **TT 110**
TO **TT 140** mm



ACCESSORIES

INDUCTOR HEADS HDi SERIES



AIT offers **customized developments** on request and with dedicated tests.



SPECIAL INDUCTOR HEADS

SUITABLE FOR:

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

ART - IND-16kW/U02



\varnothing 68 mm

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

ART - IND-11kW/U01



\varnothing 40 mm

ART - HDi 16K400 TC
HDi 16K400 KB

ART - IND-16kW/3









\varnothing 30 mm



ACCESSORIES

INDUCTOR HEADS IT SERIES

STANDARD INDUCTOR HEADS

SUITABLE FOR:	FERRITES		
ART - HDi8K400TC iT 6K400 LCD iT 5K400 KB iT 5K230 KB iT 5K230 KB Lite iT 4K230 KB iT 3,5K230 KB	ART - IND-5kW/S03 € 385 	ART: IND-5kW/S 03.1 	
ART - HDi8K400TC 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 € 500 	ART: IND - 5 kW/V 03.1 	
ART - HDi8K400TC iT 6K400 LCD iT 5K400 KB iT 5K230 KB iT 5K230 KB Lite iT 4K230 KB iT 3.5K230 KB	ART - IND-5kW/V04 € 360 	ART: IND - 5 kW/V01 	



ACCESSORIES

INDUCTOR HEADS IT SERIES

STANDARD INDUCTOR HEADS

SUITABLE FOR:	FERRITES	
ART - HDi8K400TC iT 6K400 LCD iT 5K400 KB iT 5K230 KB iT 5K230 KB Lite iT 4K230 KB iT 3.5K230 KB	ART - IND-5kW/V05 € 360 	ART: IND - 5 kW/V01 
ART - HDi8K400TC iT 6K400 LCD iT 5K400 KB iT 5K230 KB iT 5K230 KB Lite iT 4K230 KB iT 3.5K230 KB	ART - IND-35kW/S03V € 360 	ART: IND - 35/S03V.1 



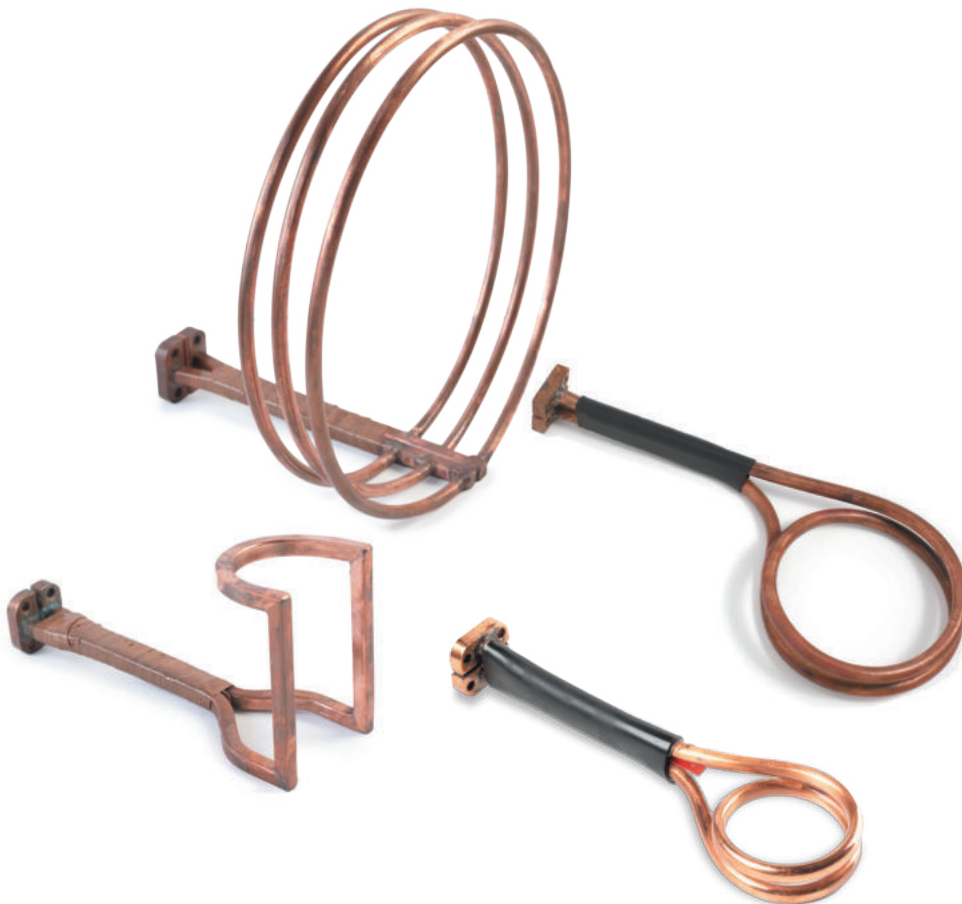
ACCESSORIES

SPECIAL CUSTOM INDUCTOR HEADS

Many industrial applications have dedicated needs and often require specific development of special inductor heads that AIT is able to design, develop and test.

Among the most frequent applications that require such custom development you can have for example:

- Pipe joining of various diameters
- Heating of areas that are difficult to access
- Unlocking of bushings of various sizes
- Different sizes beams bending
- Preheating of irregularly shaped metal parts



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



OPTIONAL

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 13-23kW, 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

Available for machines with power:

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



ART - SHS

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.

Available for machines with power:

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



ART - Wi-Fit

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.

Available for machines with power:

- Garage line



ART -IND-LCD

REQUEST ONLY BEFORE ORDER



OPTIONAL

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

ART. THA04

REQUEST EVEN AFTER ORDER

ART. THA05

255x420x710h mm

Perfect for:

- Easy Dent
- Hot Air

ART. THA04

490x360x780h mm

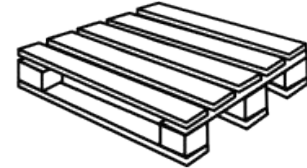
Perfect for:

- IT 3.5K230 KB
- Combo
- I Ductor



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

REQUIRED FOR:

ART - da iT 6K400 LCD a iT 4K230 KB

ART - IND-11kW/IMB.01

REQUIRED FOR:

ART - HDi GIANT - HDi Bi DUCTOR - HDi 16kW RUNNER
da HDi 23K400 TC a HDi 8K230 KB

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

COLLISION LINE

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

Full range

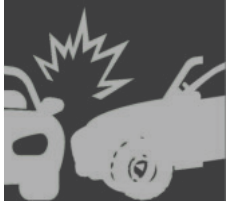
Best performance

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)

APPLICATION

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



ART - it COMBO 5K all rounder

INCLUDED ACCESSORIES



ART: IND/GLOVE.C
HEATING GLOVE



ART: IND/GLASS.C
GLASS REMOVER



ART: IND 5kW/S03
48 INDUCTOR HEAD



ART: DENT-001.C
DENT REMOVAL

Technical features

- 400x340x1000h mm
- 800x800x1280h mm
- 66 KG
- Input power 5 kW - 16 A
Electrical connection IEC60309
- 400V/3PH+T 50 Hz
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)

APPLICATION

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 - COMBO All Rounder

Technical features

- 485x330x405h mm
- 700x400x500h mm
- 15 KG
- Input power 3,5 kW - 16 A
Electrical connection IEC60309
- 230V/1PH+T 50 50 Hz
- Working frequency 15-30 KHz
- Duty cycle 9 min* (* ± 5% based on 20°C room temperature @ max power)
- 2 m Network cable

IP 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 4.0

UNIQUE BENEFITS

- 7x4 cm character digital LCD control display
- Dial selector control knob used to adjust the
- 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)


APPLICATION

- 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



NEW AIR INDUCTOR

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 IP 23 Degree of protection

 Main circuit breaker

   Directives and Certification



I DUCTOR 4.0 Suite

In addition to the "All Rounder" the I DUCTOR 4.0 is available in different combinations according to the different accessories included

ART - I DUCTOR WS - Workshop Basic

Generator + Nut-Bolt heater



ART: IND/BULL
NUT-BOLT HEATHER

ART - I DUCTOR BS - Bodyshop Basic

Generator + Glass Remover



ART: IND/GLASS
GLASS REMOVER

ACCESSORIES



ART: HP-4.0
AIR INDUCTOR



ART: ED-4.0
ACCESSORY WITH COIL



ART: MGBM - 446/1
2 x PLASTIC WEDGE



ART: IND/GLOVE
HEATING GLOVE



ART: IND/GLASS
GLASS REMOVER



ART: IND/BULL
NUT-BOLT HEATHER



ART: DENT-001.ID
DENT REMOVAL



COMBO STANDARD ACCESSORIES



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



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

APPLICATION

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  Hz

 Working frequency 50-60 KHz

 2 m Network cable

IP IP 23 Degree of protection

 Main circuit breaker

   Directives and Certification



NOTES

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)

APPLICATION

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 

 8 m Network cable

IP 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



ART - BI - GAS/MG

APPLICATION

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

Technical features

 490x420x920h mm

 800x800x930h mm

 35 KG

 Electrical connection IEC60309 - 16 A

 230V/1PH 50/60 

 8 m Network cable

IP IP 21 Degree of protection

 **EAC UK CA** Directives and Certification



BACK



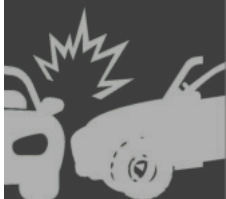
SIDE WITH ACCESSORIES SUPPORT AND AIR GUN



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

APPLICATION

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



ART - ULTRAWELD

INCLUDED ACCESSORIES




Grub screws and hex key




Titanium sonotrodes (75mm 12-pin)

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 IP 21 Degree of protection

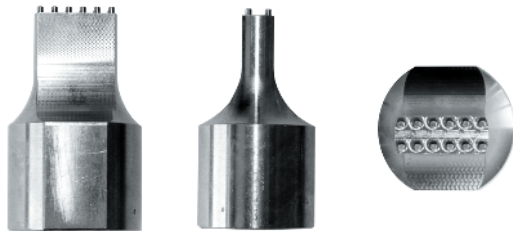
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GUN DETAIL



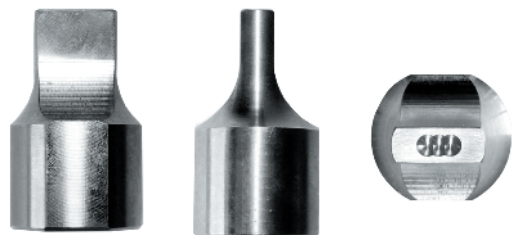
ULTRAWELD ACCESSORIES



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

APPLICATION

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 IP 21 Degree of protection

   Directives and Certification



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



ART - HST-01

APPLICATION

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



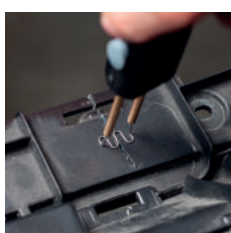
TROLLEY

Technical features

- 160x150x250h mm
- 160x370x160h mm
- 1 KG
- Electrical connection IEC60309 - 16 A
- 230V/1PH 50/60
- 1,5 m Network cable

IP 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

APPLICATION

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

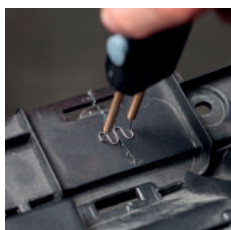
 Electrical connection IEC60309 - 16 A

 230V/1PH 50/60 

 1,5 m Network cable

IP IP 21 Degree of protection

   Directives and Certification



APPLICATION
DETAIL



GUN
DETAIL



PLASTIC WELDER ACCESSORIES



ART: HST-01/ MAN
EASY FIX GUN



ART: WELD/T
TRIANGULAR CUTTER

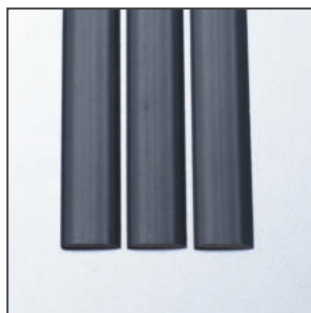


ART. HST-01/A 0,6 mm HST-01/C HST-01/D HST-01/E
ART. HST-01/B 0,8 mm

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



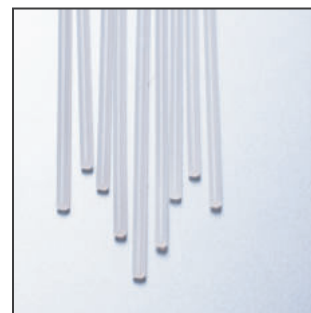
ART: WELD/R
ROLLER



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)

* ALSO AVAILABLE: PE/ABS/TPO/PP-EPDM



COOLING FLUID LRA

CHARACTERISTICS

- **BASE** Low pour point refrigerant polymers
- **APPEARANCE** Colorless and odorless liquid
- **SPECIFIC WEIGHT** 1,030 g/cm³
- **VISCOSITY** <100 cP
- **Ph** 7/8
- **REFRACTIVE INDEX** 1.369 nD (20°C)
- **BOILING POINT** 102°C
- **SPECIFIC HEAT** 3,9 kJ/kg K
- **THERMAL CONDUCTIVITY** 0,45 W/m k (25°C)
- **DISCARDED CHLORIDE** <2 ppm
- **SULPHIDES DISSOLVED** <2 ppm
- **HARDNESS** <0,1 mol/m³
- **BIODEGRADABILITY** Complete
- **FOAMING POWER** Null
- **SOLUBILITY** Soluble in water in every ratio



ART - LRA20
Cooling liquid 20 Lt

ART - LRA5
Cooling liquid 5 Lt

APPLICATION

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.



ait[®]

FULL RANGE | BEST PERFORMANCE | ALL-ROUND

Join the green side



Very low environmental 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

EN 2022 - B

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THE GENERAL SALES CONDITIONS AND WARRANTY OF PRODUCTS ARE AVAILABLE ON OUR WEBSITE
WWW.AIT-INDUCTION.COM/TERMS-AND-CONDITIONS/



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