



nit[®]

automotive induction technologies

GENERAL CATALOGUE 2024-A





GENERAL CATALOGUE 2024-A

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 electric current into heat, which will be applied inside **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 a rapid and professional support for any request. 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.

Our service department will directly support you through:

- FAQ and troubleshooting videos
- Calls and Video calls
- On site

NEW AIT PREMIUM CARE

A revolutionary service solution that remotely supports both the retailer and user himself. A Real-Time machine communication with the distributor and manufacturer on any technical errors that may require service intervention on the machine. Travelling to a client is easier knowing already how to service the machine.

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



Optional



Software



Accessories

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

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 new AIT Touch Color Display is available in a size of 5' or 7' on the Heavy Duty Inductor line (HDI) from 8kW until 23kW. The innovative user-friendly panel offers unique features to collect, monitor and register all most important working parameters and is compatible with extra optional accessories.

The effective power curve graph allow the best real time monitoring of the effective performance.

It is granted access to most settings and diagnostics to recalibrate the electronics in case of special inductor heads and provides user multiple modes to control of the heating process alternatively based on:

- 1) constant pressure on the handle push button
- 2) one time pressure on the handle push button for a continuous heating mode - (OPT) : SHS
- 3) constant or one time (if combined with SHS) pressure on the pedal (OPT) as alternative to the handle button
- 4) timer setting (automatic stop)
- 5) target temperature setting (automatic stop)

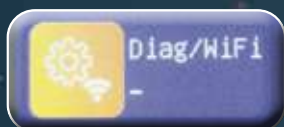
Thanks to the integrated Sw, the panel can be also connected wifi to the local WLAN and registered into Premium care Platform program , the innovative bidirectional communication platform allowing the machine to communicate remotely and optimize the service.



**TEMPERATURE CONTROL
with OTIONAL SENSOR**



HEATING TIME SETTING



**DIAGNOSTIC AUTO CALIBRATION
WI-FI SETTING**



**Smart Heating Switch
(CONTINUOUS MODE)**

INDUSTRY & HEAVY DUTY LINE

A COMBINATION OF HIGH END AND UNIQUE BENEFITS



From 8 kW up to 23 kW

100% INDUCTION
ONE EXPERIENCE



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100% INDUCTION EXPERIENCE

HDi Giant

UNIQUE BENEFITS

SPECIAL

- Easy-to-use 7" color Touch control panel
- Power from 16 to 23 kW
- Double tank of 20L
- Continuous mode – duty cycle > 80%
- Patent pending for double optimized hydraulic system
- Automatic patented cooling switch mode
- **Plug and Play**
- **Heating Time Setting**

**The longest
duty cycle ever**



PATENT PENDING

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

OPTIONALS



HEAT
SENSORS



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

HDi Giant Series

Technical features HDi Giant Series



850x920x1430h mm



1000x1000x1580h mm



200 KG



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

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HDi BiDuctor

UNIQUE BENEFITS

- 2 Machines in 1
- All power mix available up to 18 & 21 combination
- Optimal solution to have a machine and two operators at work at the same time with two inductors standard or custom
- **Plug and Play**
- **Heating Time Setting**

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

OPTIONALS



HEAT
SENSORS



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

2 MACHINES IN 1



HDi Biductor Series

Technical features HDi BiDuctor Series



850x920x1430h mm



1000x1000x1580h mm



220 KG



IP 21 Degree of protection



Main circuit breaker



2 x 20lt tank - Liquid cooling system



2 x Hydraulic heat exchanger with fan



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100% INDUCTION EXPERIENCE

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 10 m inductor cable
- Design studied for operations that require interventions with particularly difficult access
- **Plug and Play**
- **Heating Time Setting**

**Heavy duty
and carry-on**



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

OPTIONALS



HEAT
SENSORS



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

HDi Runner Series

Technical features HDi 16kW Runner



600x600x1140h mm
500x250x280h mm



800x1200x1350h mm



140 KG + 13 KG



IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



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Brazing

TECHNICAL INFO

- Power device technology silicon carbide (SiC)
- New user friendly color display 5"
- Interchangeable coils
- More safety
- No gas bottle in the workshop
- No open flame



ART - SB 6K400 TC

COILS



ART - SB 1-2



ART - SB 1-4



ART - SB01



ART - SBR

Technical features



460x980x600h mm



800x850x1350h mm



110 KG



Input power 6 kW - 16 A
Electrical connection IEC60309



400V/3PH+T 50



Working frequency up to 180 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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CUSTOMIZATIONS

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100% INDUCTION EXPERIENCE

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
- Inductor head handle included
- **Plug and Play** with art. IND16kW/S inductor head
- **Heating Time Setting**



APPLICATION

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

OPTIONALS



HEAT
SENSORS



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



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CUSTOMIZATIONS

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100% INDUCTION EXPERIENCE

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
- **Heating Time Setting**



APPLICATION

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

OPTIONALS



HEAT
SENSORS



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



ART - HDi 21K400 TC

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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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
- **Heating Time Setting**



APPLICATION

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

OPTIONALS



HEAT
SENSORS



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

CUSTOMIZATIONS

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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



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100% INDUCTION EXPERIENCE

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
- **Heating Time Setting**



APPLICATION

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

OPTIONALS



HEAT
SENSORS



WIFI



SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW



ART - HDi 16K400 TC

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



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



APPLICATION

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

OPTIONALS



HEAT
SENSORS



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SHS



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



ART - HDi 13K400 TC

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



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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
- **Heating Time Setting**



APPLICATION

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

OPTIONALS



HEAT
SENSORS



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PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



ART - HDi 13K230 TC

Technical features



550x560x1009h mm



800x850x1350h mm



120 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



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100% INDUCTION EXPERIENCE

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
- **Heating Time Setting for TC**



APPLICATION

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

OPTIONALS

ONLY FOR TOUCH CONTROL VERSIONS



HEAT
SENSORS



WIFI



PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW



SHS

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



ART - HDi 11K400 TC

ART - HDi 11K400 KB

Technical features



460x980x600h 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



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100% INDUCTION EXPERIENCE

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
- **Heating Time Setting for TC**



APPLICATION

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

OPTIONALS

ONLY FOR TOUCH CONTROL VERSIONS



HEAT
SENSORS



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PEDAL SWITCH



INDUCTOR
HEADS
EXTRA ON
REQUEST



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW



SHS

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



ART - HDi 11K230 TC

ART - HDi 11K230 KB

Technical features



460x980x600h 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



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100% INDUCTION EXPERIENCE

HDi 8K400 TC - HDi 8K230 TC

UNIQUE BENEFITS

- Adaptive inductance field reading (autotuning)
- User friendly keyboard or color touch control panel 5"
- Electronic safety protection
- Heating temperature level setting
- Long inductor cable 3.0 m
- **Plug and Play** with art. IND 5kW/S06 inductor head
- **Heating Time Setting**



APPLICATION

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

OPTIONALS



HEAT
SENSORS



WIFI



SHS



PEDAL SWITCH



INDUCTOR HEAD
HANDLE FROM
11kW TO 18kW

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



ART - HDi 8K400 TC

ART - HDi 8K230 TC

Technical features



460x980x600h mm



800x850x1350h mm



110 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



EMC

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Customizations

At AIT we are always 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. 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.

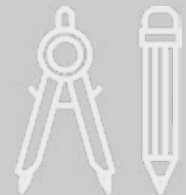
HOSE PACKAGE

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



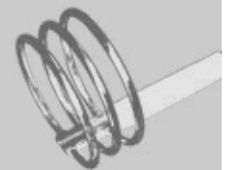
DESIGN

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



INDUCTOR HEAD

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



6 kW
5 kW
3,7 kW
3,5 kW
1 kW

100% INDUCTION EXPERIENCE



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100% INDUCTION EXPERIENCE

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/S06 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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



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



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100% INDUCTION EXPERIENCE

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/S06 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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



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



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100% INDUCTION EXPERIENCE

iT 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/S06 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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



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
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



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100% INDUCTION EXPERIENCE

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/S06 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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



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 IP 21 Degree of protection



Main circuit breaker



20lt tank - Liquid cooling system



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Directives and
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nit[®]

100% INDUCTION EXPERIENCE

it 4K230 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/S06 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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



ART - it 4K230 KB

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



EAC

UK

Directives and
Certification



nit[®]

100% INDUCTION EXPERIENCE

it 3.5K230 LCD

UNIQUE BENEFITS

- Power level setting (kW)
- User friendly LCD panel with 5 heat output levels
- Long inductor cable (3.0 m)
- Alternative inductor heads on request
- **Plug and Play** with art. IND 5kW/S06 inductor head



ART - it 3.5K230 LCD

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 IP 21 Degree of protection



Main circuit breaker



2lt tank - Liquid cooling system



Hydraulic heat exchanger with fan



Directives and Certification



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

CUSTOMIZATIONS

HOSE PACKAGE
DESIGN
INDUCTOR COIL & TIPS



cit[®]

100% INDUCTION EXPERIENCE

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

APPLICATIONS

- 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



EAC

UK

CA

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:

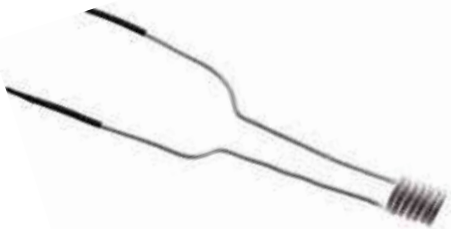
- ED-25 (Ø 25 mm)
- ED-30 (Ø 30 mm)
- ED-35 (Ø 35 mm)

**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)



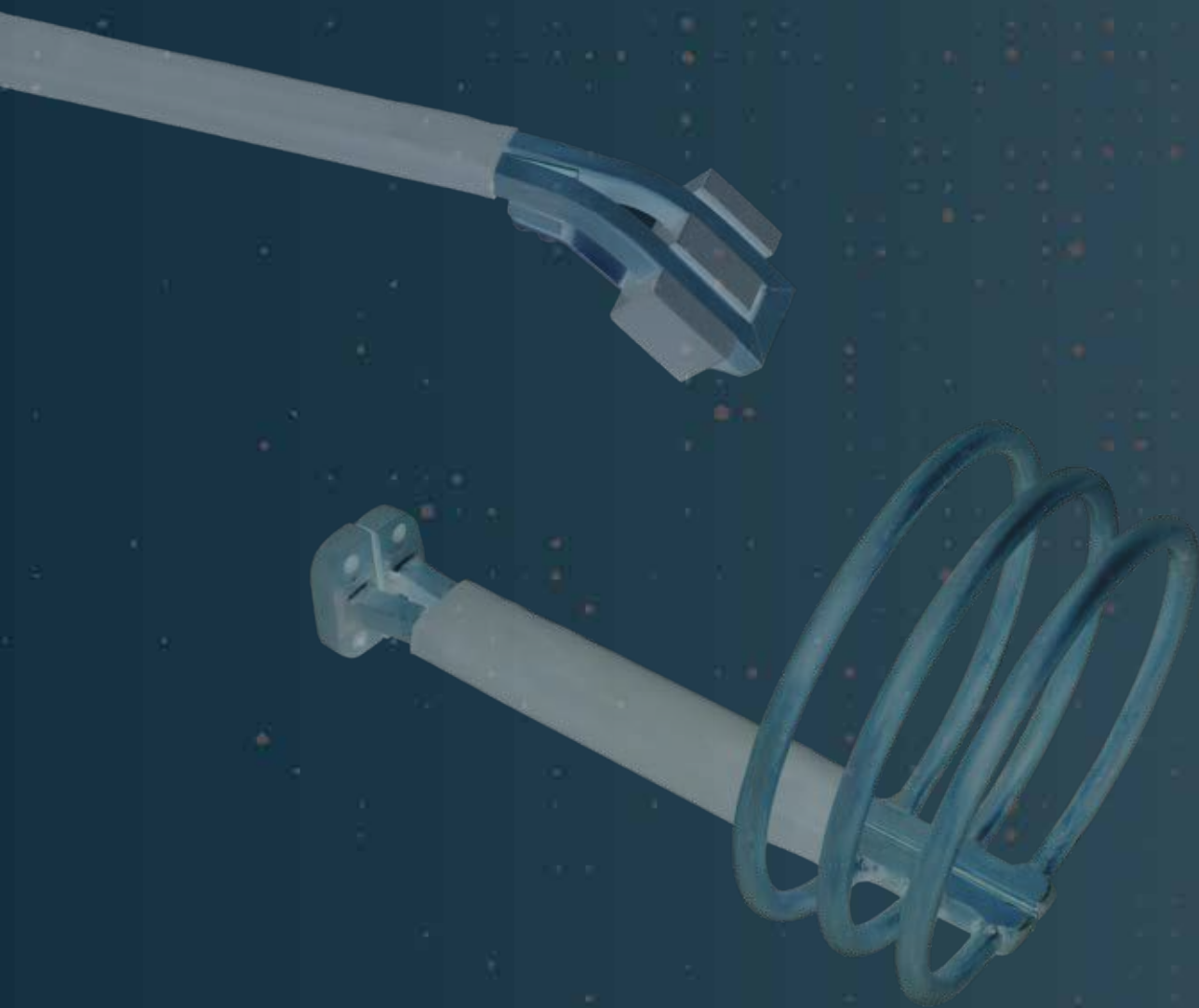
SUMMARY

CATEGORIES	APPLICATION FIELDS		
SPECIAL	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 FUNCTIONING
OF INDUCTION MACHINES



100% INDUCTION EXPERIENCE



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 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.



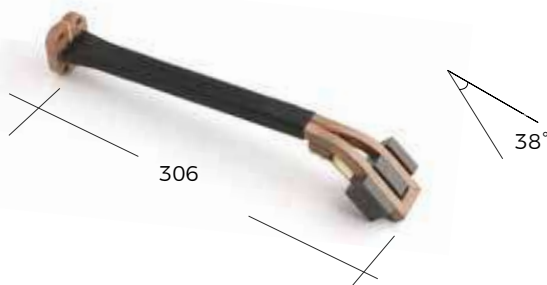
STANDARD INDUCTOR HEADS

SUITABLE FOR:

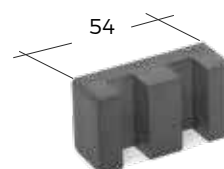
FERRITES

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 13K400 TC
HDi 13K230 TC
HDi 11K400 KB
HDi 11K230 KB

ART - IND-11kW S04

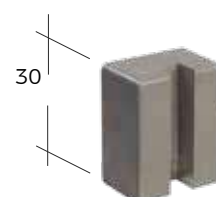


ART: IND - 5 kW/S 04.1



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

ART: IND - 16 kW/V 01





ACCESSORIES

INDUCTOR HEADS HDi SERIES



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



STANDARD INDUCTOR HEADS

SUITABLE FOR:

ART - HDi 21K400 TC
HDi 18K400 TC
HDi 16K400 TC
HDi 13K400 TC
HDi 13K230 TC
HDi 11K400 KB
HDi 11K230 KB

ART - IND-11kW/V NT



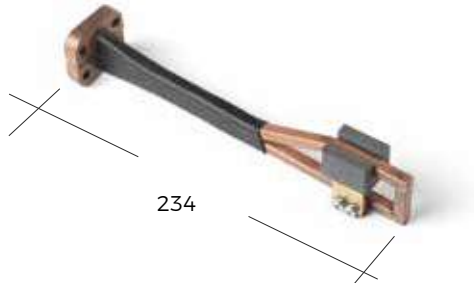
FERRITES

ART: IND - 11 kW/V NT.1

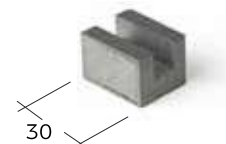


ART - HDi 18K400 TC
HDi 16K400 TC
HDi 16K400 KB

ART - HDI LS



ART: FHDI LS

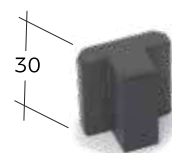


ART - HDi 21K400 TC
HDi 18K400 TC
HDi 16K400 TC
HDi 16K400 KB

ART - IND-16kW/T



ART: IND - 16 kW/T01





ACCESSORIES

INDUCTOR HEADS HDi SERIES



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



SPECIAL INDUCTOR HEADS

SUITABLE FOR:

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

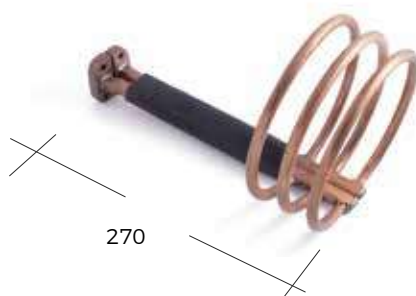
ART - HDI TS20 ... TS180



Ø
FROM **TS 20**
TO **TS 180** mm

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

ART - HDI TT60...TT140



Ø
FROM **TT 60**
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 - HDI U02



$\varnothing$ 68 mm

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

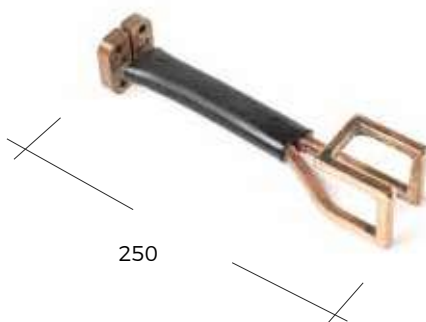
ART - HDI U01



$\varnothing$ 40 mm

ART - HDi 16K400 TC
HDi 16K400 KB

ART - IND-16kW/3



$\varnothing$ 30 mm



ACCESSORIES

INDUCTOR HEADS IT SERIES



SPECIAL INDUCTOR HEADS

SUITABLE FOR:

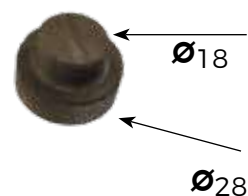
ART - HDi 8K400 TC
iT 6K400 LCD
iT 5K400 KB
iT 5K230 KB
iT 5K230 KB Lite
iT 4K230 KB
iT 3,5K230 LCD

ART - IND-5kW/S06



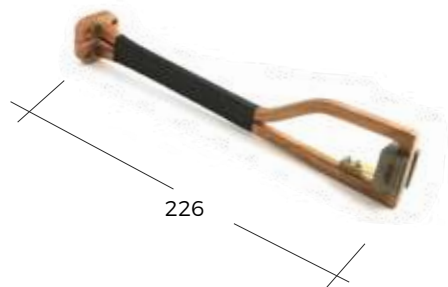
FERRITES

ART: IND-5kW/S06.1

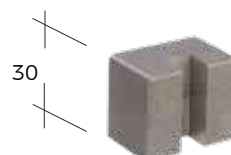


ART - HDi 8K400 TC
iT 6K400 LCD
iT 5K400 KB
iT 5K230 KB
iT 5K230 KB Lite
iT 4K230 KB
iT 3,5K230 LCD

ART - IND-5kW/V 03



ART: IND - 5 kW/V 03.1

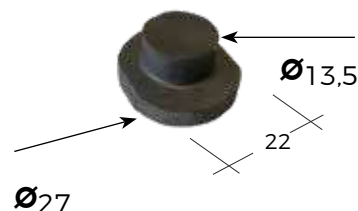


ART - HDi 8K400 TC
iT 6K400 LCD
iT 5K400 KB
iT 5K230 KB
iT 5K230 KB Lite
iT 4K230 KB
iT 3.5K230 LCD

ART - IND-5Kw/S03V



ART: IND-5Kw/S03V.1



ART: IND - IND-5Kw/S03.1

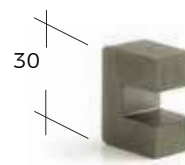


Ø 13,5



ART: IND - IND-5Kw/S03.5

ART: IND - 5 kW/V01





ACCESSORIES

INDUCTOR HEADS HDi SERIES



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

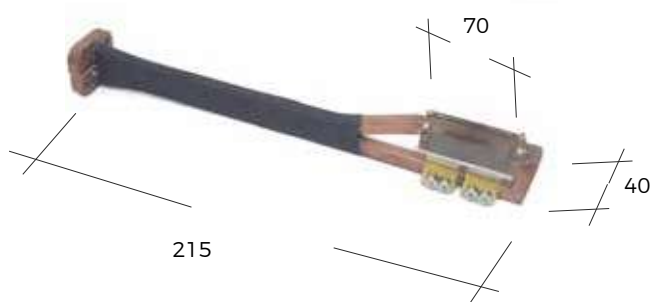


SPECIAL INDUCTOR HEADS

SUITABLE FOR:

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

ART - HDI LS LAM



ART - HDi 21K400 TC
HDi 18K400 TC
HDi 16K400 TC
HDi 16K400 KB
HDi 13K400 TC
HDi 13K230 TC
HDi 11K400 KB
HDi 11K230 KB

ART - HDI S LAM



ART - HDi 21K400 TC
HDi 18K400 TC
HDi 16K400 TC
HDi 16K400 KB
HDi 13K400 TC
HDi 13K230 TC
HDi 11K400 KB
HDi 11K230 KB

ART - HDI S104-55 LAM





nit[®]

100% INDUCTION EXPERIENCE

APPLICATIONS

HDI INDUCTOR HEADS - LAMELLAR SERIES



**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





COOLING FLUID LRA

CHARACTERISTICS

• BASE	Low pour point refrigerant polymers
• APPEARANCE	Colorless and odorless liquid
• SPECIFIC WEIGHT	1,030 g/cm ³
• 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/m ³
• 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.

OPTIONAL

A WIDE RANGE OF ITEMS FOR MAXIMUM EFFICIENCY
OF YOUR MACHINE



- ✓ Heat Sensor iRT - TCS
- ✓ Pedal Switch
- ✓ Inductor Head Handle
- ✓ Smart Heating Switch
- ✓ Premium Care/Wifi
- ✓ Display LCD
- ✓ Trolley



**OPTIONAL**

Heat Sensors

The heat sensor is ideal for targeted heating and precise operations.

Infrared - iRT - It has an integrated laser electronic in the head that detects temperatures up to 1000°C on metals, oxides and ceramics.

Touch - TCS - The sensor being in contact with the object detects the temperature up to 900 °C knowing that the two are in thermal equilibrium. There is no heat flow between them.

Available for machines with power:

- From 8 - 23kW, 400V and with Touch Control panel (TC) belonging to the Industry/Heavy Duty Line range.

**ART - iRT****ART - TCS****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 8kW 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

AIT PREMIUM CARE/Wi-Fi

A revolutionary service solution that remotely supports both the retailer and the user himself of the machines in order to offer the following advantages:



Technical supervision of the installed AIT HDI Touch panel machines.



Remote, real-time visibility of all key machine parameters.



Data storage and download possibility for monitoring working times and consumption.



Remote Upgrade of Software, Firmware and machine power (end of 2024).



Real-time machine communication on any technical intervention that may request a service support on the machine.

ORDER IT TOGETHER WITH YOUR MACHINE

**OPTIONAL****ART. THA05****ART. THA04**

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 LCD
- Combo
- I Ductor 4.0

**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

REQUIRED FOR:
from iT 6K400 LCD to iT 4K230 KB

ART - IND-11kW/IMB.01

REQUIRED FOR:
from HDi 23K400 TC to HDi 8K230 KB

ART - Giant Case

REQUIRED FOR:
Giant Series
Bi Ductor

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

ART - Giant Case

COLLISION LINE

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



COMBO Line
INDUCTOR Line
Easy Dent



100% INDUCTION EXPERIENCE



COMBO 5K400 LCD - All Rounder

2 MACHINES IN 1

UNIQUE BENEFITS

- User friendly LCD panel 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)
- **Plug and Play** with art. IND-5kW/S06 inductor head

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/S06
52 INDUCTOR HEAD



ART: DENT-001.C
DENT REMOVAL



ART - it COMBO 5K all rounder

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 COMBO 5K + Inductor head + Heating Glove + Glass Remover



Inductor head IND-5kW/S06



ART: IND/GLOVE.C
HEATING GLOVE



ART: IND/GLASS.C
GLASS REMOVER

ART - IT COMBO 5K Repair

iT COMBO 5K + Inductor head + Glass Remover



Inductor head IND-5kW/S06



ART: IND/GLASS.C
GLASS REMOVER

ART - IT COMBO 5K Basic

iT COMBO 5K + Inductor head



Inductor head IND-5kW/S06





COMBO All Rounder

UNIQUE BENEFITS

- User friendly LCD panel 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)
- **Plug and Play** with art. IND-5kW/S06 inductor head

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/S06
54 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



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

COMBO + Inductor head + Heating Glove + Glass Remover



Inductor head IND-5kW/S06



ART: IND/GLOVE.C
HEATING GLOVE



ART: IND/GLASS.C
GLASS REMOVER

ART - COMBO Repair

COMBO + Inductor head + Glass Remover



Inductor head IND-5kW/S06



ART: IND/GLASS.C
GLASS REMOVER

ART - COMBO Basic

COMBO + Inductor head



Inductor head IND-5kW/S06



I DUCTOR 4.0

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 (2,2 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



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



EAC

UK

CA

Directives and
Certification

OPTIONALS



TROLLEY



NEW AIR INDUCTOR



I DUCTOR 4.0 Suite

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 4.0
NUT-BOLT HEATER

ART - I DUCTOR BS - Bodyshop Basic

Generator + Glass Remover



ART: IND/GLASS.C
GLASS REMOVER

ACCESSORIES



ART: HPR 4.0
AIR INDUCTOR



ART: ED-4.0
ACCESSORY WITH COIL



ART - ED-25S + ED-20 + ED-PC
ASSORTED COILS



ART: MGBM - 446/1
PLASTIC WEDGE



ART: IND/GLOVE.C
HEATING GLOVE



ART: IND/GLASS.C
GLASS REMOVER



ART: IND/BULL 4.0
NUT-BOLT HEATER



ART: DENT-001.C
DENT REMOVAL



COMBO | I DUCTOR 4.0 STANDARD ACCESSORIES

All accessories are compatible for both I DUCTOR 4.0 and Combo



ART: IND/GLOVE.C
HEATING GLOVE



ART: DENT-001.C
DENT REMOVAL



ART: IND/GLASS.C
GLASS REMOVER



ART: IND/BULL 4.0
NUT-BOLT HEATER



ART: IND/PNEUM
FOOT PEDAL



ART: MGBM - 446/1
PLASTIC WEDGE



EASY DENT

UNIQUE BENEFITS

- User friendly keypad to adjust the power intensity
- Power board unit
- Dent removal cable (4,0 m)

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.



ART - DENT-01

OPTIONALS



TROLLEY



ART: DENT-001.ED
INCLUDED

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 IP 23 Degree of protection

 Main circuit breaker

   Directives and Certification



nit[®]

100% WELDER EXPERIENCE

APPLICATIONS





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



100% WELDER EXPERIENCE

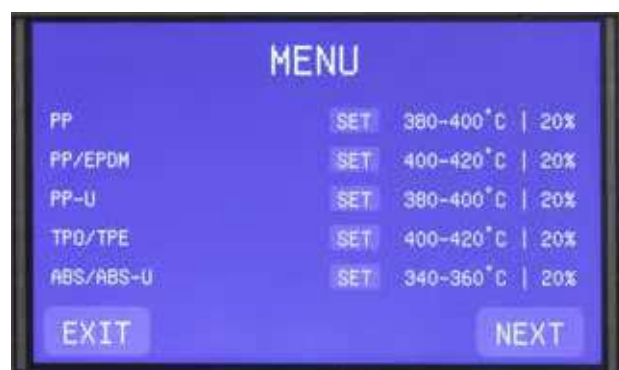
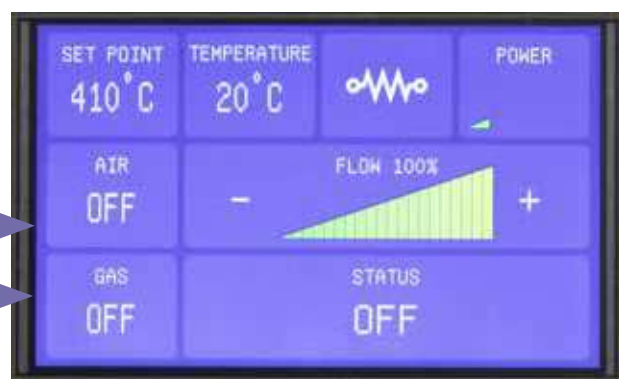


Touch Control Panel

The new plastic welding machine with AUTOMATIC NITROGEN GENERATION MEMBRANE is equipped with a new COLOR TOUCH PANEL and a series of innovative features that make it extremely easy to use.

The display offers the possibility of switching between normal air and nitrogen, where in both cases it is possible to FINELY ADJUST THE AIR FLOW ON MULTIPLE LEVELS and to set the working temperature which can be EITHER MANUAL OR PRE-SET based on the type of plastic. In the second case, the operator work is greatly simplified as there is no need to check the correct temperature.

From the panel you can also easily activate the additional STAPLE HEATING FUNCTION to be applied with the second standard handpiece. A clear indication on the display shows the cooling phase to wait before switching off.





BI-Gas EVO Nitrogen Welder

UNIQUE BENEFITS

- Temperature control
- Preset temperatures for different plastics
- Thermal protection
- User interface with touch screen
- Finest air/gas flow setting
- Accessory holder
- Air gun cable 1,8 m
- Heating gun cable 2 m
- Nitrogen generator included
- **Air temperature automatic reset upon external temperature variations**
- Triangular cutter and roller included



ART - BIGAS EVO TC MG

APPLICATIONS

BI-GAS EVO Nitrogen Welder is the welding system that allows you to work comfortably with nitrogen.

Why nitrogen?

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

Features a gas welding gun, light and easy to handle, for fast and safe operation with Nitrogen N₂. In addition the machine is complete with heat gun for staple applications

YOU CAN EASILY REPAIR:

- Car bumpers
- Plastic parts
- Internal parts

Technical specifications



490x420x920h mm



800x800x930h mm



33 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



8 m Power cord



Degree of protection IP21



Guidelines and Certifications



BACK SIDE



SIDE WITH ACCESSORY HOLDER AND AIR GUN



TOP - DETAIL



ART. BI-GAS 016
GENERATOR INCLUDED



BI-Gas EVO

UNIQUE BENEFITS

- Temperature control
- Preset temperatures for different plastics
- Thermal protection
- User interface with touch screen
- Finest air/gas flow setting
- Gas cylinder compartment (cylinder not included)
- Accessory holder
- Air gun cable 1,8 m
- Heating gun cable 2 m
- **Air temperature automatic reset upon external temperature variations**
- Triangular cutter and roller included

APPLICATIONS

BI-GAS EVO is the welding system that allows working with gas using the auxiliary cylinder or air using the external compressor.

Why nitrogen?

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

Features a light, easy-to-handle gas welding gun for fast and safe operation that allows you to work with either Nitrogen N2 or compressed air. In addition the machine is complete with heat gun for staple applications

YOU CAN EASILY REPAIR:

- Car bumpers
- Plastic parts
- Internal parts



ART - ART- BIGAS EVO TC

Technical specifications



490x420x920h mm



800x800x930h mm



30 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



8 m Power cord



Degree of protection IP21



Guidelines and Certifications



BACK SIDE



SIDE WITH ACCESSORY
HOLDER AND AIR GUN



TOP - DETAIL



SGT-LCD Single Gas

UNIQUE BENEFITS

- Temperature control
- Thermal protection
- User interface with LCD
- Gas cylinder compartment (cylinder not included)
- Accessory holder
- Air gun cable 1,8 m
- Heating gun cable 2 m
- **Air temperature automatic reset upon external temperature variations**
- Triangular cutter and roller included

APPLICATIONS

SGT-LCD is the welding system that allows working with gas by using the auxiliary cylinder or by directly connecting the air from compressor.

Why nitrogen?

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

Features a light, easy-to-handle gas welding gun for fast and safe operation that allows you to work with either Nitrogen N2 or compressed air. In addition the machine is complete with heat gun for staple applications.

YOU CAN EASILY REPAIR:

- Car bumpers
- Plastic parts
- Internal parts



ART - SGT LCD

Technical specifications



490x420x920h mm



800x800x930h mm



30 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



Hz



8 m Power cord



Degree of protection IP21



Guidelines and Certifications



BACK SIDE



SIDE WITH ACCESSORY
HOLDER AND AIR GUN



TOP - DETAIL



SGS

UNIQUE BENEFITS

- Temperature control
- Thermal protection
- User interface with LCD
- Air gun cable 1,8 m
- Heating gun cable 2 m
- Triangular cutter and roller included
- **Air temperature automatic reset upon external temperature variations**



ART - SGS

APPLICATIONS

SGS is the welding system that allows working with air in total comfort and efficiency.

Features a light and handy welding gun for fast and safe operation. In addition the machine is complete with heat gun for staple applications.

YOU CAN EASILY REPAIR:

- Car bumpers
- Plastic parts
- Internal parts

Technical specifications



195x360x300h mm



400x580x310h mm



6 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



3 m Power cord



Degree of protection IP21



Guidelines and Certifications



TROLLEY



HOT AIR

UNIQUE BENEFITS

- Compact and portable unit
- Digital LCD display with backlight showing operating temperature (150 - 480°)
- Airflow control knob
- LED heat indicator
- Power switch
- Feeder
- Thermocouple temperature sensor
- Diaphragm air pump
- Air nozzle
- Gun holder
- Triangular cutter and roller included



ART - WELDER/05

APPLICATIONS

HOT AIR is the welding system that allows working on a wide range of applications such as:

- Car bumpers
- Plastic parts
- Internal parts

OPTIONALS



TROLLEY



DETAIL GUN

Technical specifications

 185x240x140h mm

 420x280x340h mm

 2,5 KG

 Input power 320 W - 16 A
Electrical connection IEC60309

 230V/1PH 50/60 

 1,5 m Power cord

IP Degree of protection IP21

   Guidelines and Certifications



EASY FIX

UNIQUE BENEFITS

- Compact heating gun
- Feeder
- Transformer
- Power control knob with 3 levels
- Can be used with corner, wave and corrugated staples (total 100 pcs. supplied)
- Gun cable 1.5 m



ART - HST-01

APPLICATIONS

EASY FIX is the welding system that allows working on a wide range of applications such as:

- Car bumpers
- Plastic parts
- Mounts for engine parts
- Internal plastic parts, etc.

Technical specifications



160x150x250h mm



160x370x160h mm



1 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



1,5 m Power cord



Degree of protection IP21



Guidelines and Certifications



APPLICATION
DETAIL



DETAIL GUN



MINI FIX

- Compact heating gun
- Transformer
- Feeder
- Can be used with corner, wave and corrugated staples (not supplied)
- Heating gun cable 2.5 m



ART - HST-01/MINI

APPLICATIONS

MINI FIX is the welding system that allows working on a wide range of applications such as:

- Car bumpers
- Plastic parts, such as lamp holders
- Mounts for engine parts
- Internal plastic parts, etc.

Technical specifications



170x90x80h mm



160x370x160h mm



0,7 KG



Electrical connection IEC60309 - 16 A



230V/1PH 50/60



Hz



1,5 m Power cord



Degree of protection IP21



EAC UK CA

Guidelines and Certifications



APPLICATION
DETAIL



DETAIL GUN



PLASTIC WELDING 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 (100 PCS)



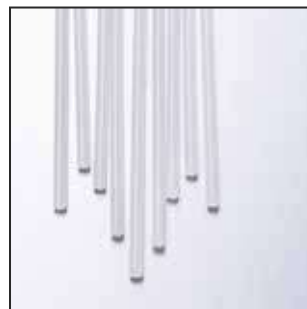
ART: WELD/R
ROLLER



ART. WELD / 01
BLACK PP* STRIPS 8 MM (15 PCS)



ART. WELD / 03
WHITE PP* STRIPS 8 MM (15 PCS)



ART. WELD / 05
STRING KIT (3 SIZES X 5 PCS)



ULTRAWELD

UNIQUE BENEFITS

- Adjustable operating times
- User interface with Touch screen
- Accessory holder
- Gun cable 1.1 m
- 1 x 75 mm 12-pin titanium sonotrode
- 1 x 2.5 mm Allen wrench
- 1 threaded pin



ART - ULTRAWELD 1S

APPLICATIONS

ULTRAWELD is the welding system that allows working with ultrasound on a wide range of applications such as:

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

Technical specifications

-  490x340x830h mm
-  800x800x1280h mm
-  40 KG
-  Input power 320 W - 16A
Electrical connection IEC60309
-  230V/1PH 50/60 
-  Frequency Level 40 Khz
-  8 m Power cord

IP Degree of protection IP21

   Guidelines and Certifications

ACCESSORI INCLUSI



DETAIL GUN



Allen wrench and
threaded pin



ULTRAWELD ACCESSORIES

**ART: U-985001**

12-PIN SONOTRODE 75 MM

**ART: U-985004**

12-PIN SONOTRODE 130 MM

**ART: U-985002**

3-SPHERICAL CABLE SONOTRODE 75 MM

**ART: U-985005**

3-SPHERICAL CABLE SONOTRODE 130 MM

**ART: U-985003**

KNURLED SONOTRODE 75 MM

**ART: U-985006**

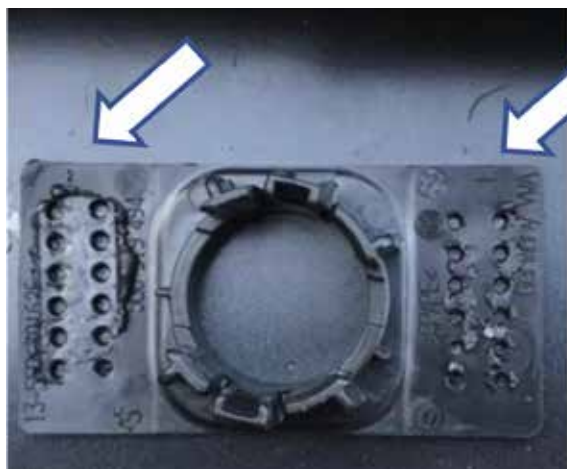
KNURLED SONOTRODE 130 MM

**ART: U-985008**ENGRAVING SONOTRODE FOR
ANGULAR REPAIR**ART: U-995001**

TUBE SONOTRODE



ULTRAWELD - Applications



12-PIN RECTANGULAR SONOTRODE



Suitable for welding smooth surfaces, such as bumper sensor, BSD brackets (blind spot sensor)



3-BALL RECTANGULAR SONOTRODE



Example of welding with 3-ball sonotrode as in OEM production



SONOTRODE FOR ROUND PIPES



Suitable for riveting plastic pipes.





cit[®]

100% INDUCTION EXPERIENCE

Join the green side



Very low environmental impact



No naked flame



Plastic free





100% INDUCTION EXPERIENCE

[illegible]



NOTES

[illegible]



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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