



onit[®]

automotive induction technologies

INDUCTION HEATER MANUFACTURER

SINCE 2004

FULL RANGE BEST PERFORMANCE ALL ROUND

AIT has established itself as a market reference with many years of nurturing partnerships, by developing probably the most complete range of of equipment dedicated to induction as well as plastics welding.



Made in Italy



Concept & engineering



Assembly



Service after sales

THE INDUCTION BENEFITS vs OXY ACETYLENE FLAMES

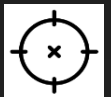
AIT induction machines heat directly inside ferro-magnetic and conductive materials with exceptional efficient operation :



Higher safety (NO naked flame)



Heating speed and heat stability



Heating point precision and standardized operation



Lowering costs by more than 50% . ROI < 1 year (Higher productivity, 0 damage rate, Low Maintenance)



No special training required vs propane/butane burners



Versatile , quite and easy use for process optimization



Product quality enhancement



Eco friendly

FIELD APPLICATIONS

- AUTOMOTIVE



- MILITARY



- MARINE



- FARM



- INDUSTRY



- CARPENTRY



- RAILWAY



- AEROSPACE



THE INDUCTION FIELD APPLICATIONS

INDUSTRY

- Forging of pipes, round steel and profile
- Pre-heating before welding
- Heating of larger surfaces
- Spot heating
- Tempering
- Straightening
- Forging
- Hardening
- Annealing
- Pin or bearing release and replacement
- Heating tests
- Heating of various materials incl. stainless steel, brass, copper, aluminum, tungsten, chrome
- Pre-pressing heating
- Pre-bending heating
- Forming
- Use in the production of air-conditioning,
- Kitchen equipment
- Silver brazing of copper tubes

TRUCK & CAR REPAIR GARAGES AND MAINTENANCE

- Hardening of:
 - Engine parts as valves, crankshaft, camshaft, connection rods and starter rings
 - Transmission parts (tulips, axle shafts, etc)
 - Suspension parts such as shock absorbers rods, spring, suspension arms
 - Parts for automatic/manual gear boxes (rings, selector shafts, etc)
 - Clutch springs and brake pads)
- Tempering of:
 - Camshaft, crankshaft, drive shaft, torsion bars, couplings, rocker arms, rock drills, chains suspension arms, clutches, brake disks, steering wheels, CV joint, tulips, shock absorbers, inner and outer races, control rods, valves.
- Brazing of:
 - Aluminum parts for air condition systems (e.g evaporator/condenser connection tube to tube, tube to block, tube to tank)
 - Steel and copper components (brake lining, fuel-injection pipes)
 - Short circuit rings for electric motors
- Straightening of:
 - Steel chassis
 - Truck repair
- Bonding for:
 - Curing adhesives and sealant for car components such as doors, hoods, fenders, rearview mirrors and magnets
- Balancing of drive shafts
- Heating of connecting bars
- Replacement of king pins
- Bolts and nut releasing



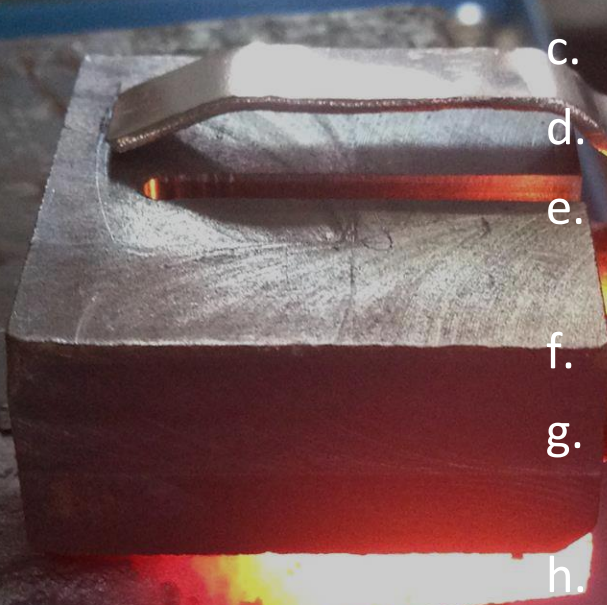
[YouTube AIT channel](#)

IMPORTANT TIPS

- a. Field demonstrations
- b. Trial period
- c. Loan



HOW TO SELL

- 
- a. [DO YOU USE OPEN FLAME?](#)
 - b. HOW OFTEN DO YOU USE IT?
 - c. HOW LONG DOES IT TAKE YOU TO COMPLETE HEATING NOW?
 - d. HOW MANY PEOPLE **CAN** WORK WITH IT?
 - e. HOW OFTEN CAN'T YOU WORK WITH IT AS TOO CLOSE TO SENSITIVE MATERIAL?
 - f. HOW OFTEN DO YOU NEED TO RECHARGE GAS?
 - g. HOW OFTEN DO YOU NEED TO TAKE CARE OF REPAIR, MAINTENANCE, PARTS REPLACEMENT (LEGAL OBLIGATION)?
 - h. HOW MUCH THE OXY/ACETYLENE COST HAS INCREASED LAST 12 MONTHS?
 - i. HAVE YOU AFFECTED BY NEW REGULATIONS TO HANDLE /STORE/TRANSPORT OXY-ACETYLENE BOTTLES?
 - j. HOW OFTEN HAVE YOU INCURRED IN WORKER INJURED DRIVEN BY OPEN FLAME TOOLS ACCIDENTS?
 - k. HOW OFTEN HAVE YOU BEEN FORCED TO WASTE PARTS BADLY DAMAGED BY THE OPEN FLAME?

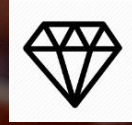


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100% INDUCTION EXPERIENCE



Product efficiency



Unique features



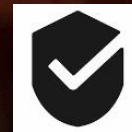
Plug & Play



Product range (power/version/accessories)



Customized development

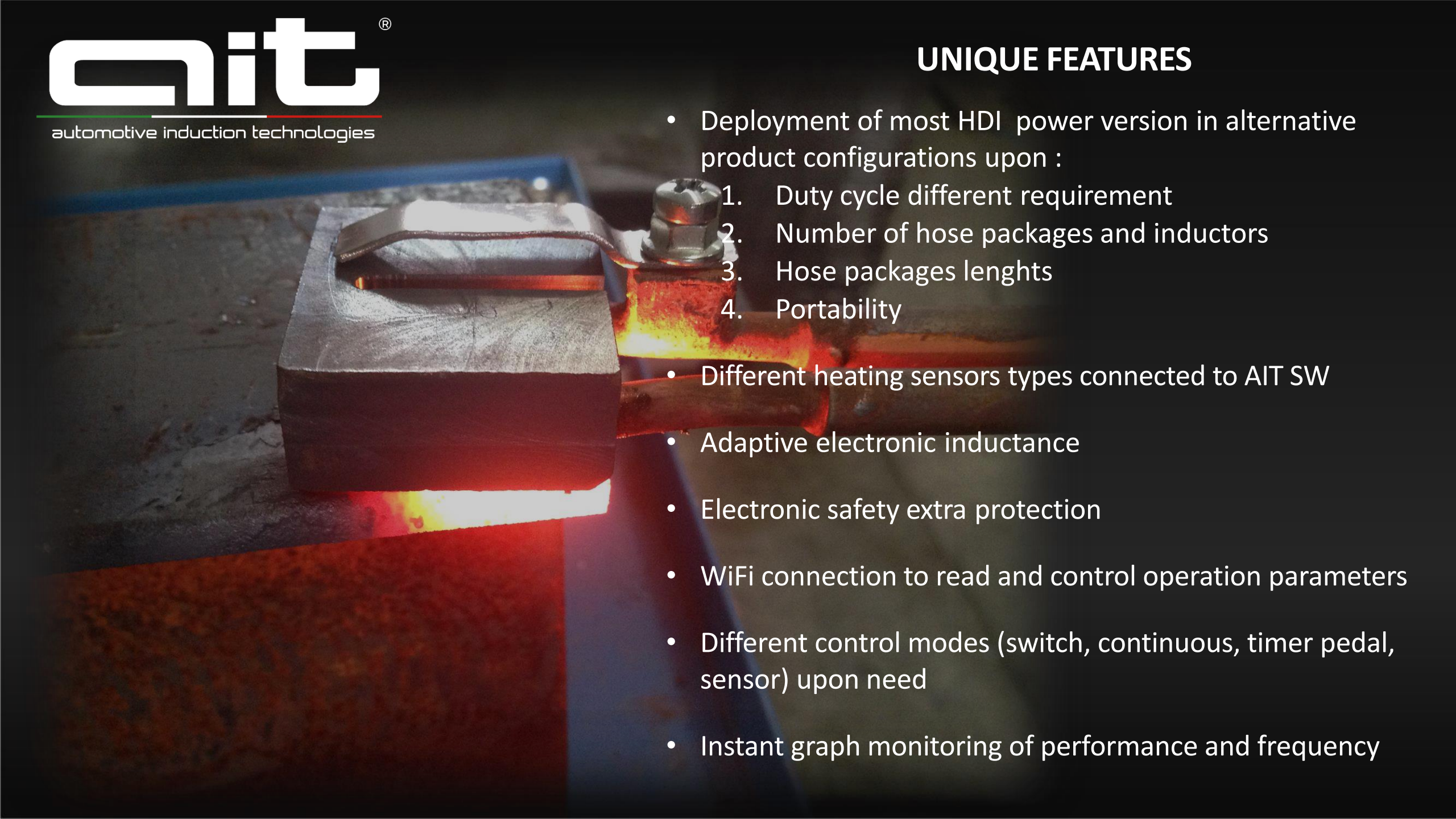


Perfect for aluminum

AIT SPECIAL STRENGTHS

UNIQUE FEATURES

- Deployment of most HDI power version in alternative product configurations upon :
 1. Duty cycle different requirement
 2. Number of hose packages and inductors
 3. Hose packages lengths
 4. Portability
- Different heating sensors types connected to AIT SW
- Adaptive electronic inductance
- Electronic safety extra protection
- WiFi connection to read and control operation parameters
- Different control modes (switch, continuous, timer pedal, sensor) upon need
- Instant graph monitoring of performance and frequency



RANGE OF PRODUCTS - Automotive

FULL RANGE BEST PERFORMANCE ALL ROUND



HEAVY DUTY (HDI)
8-23kW



GARAGE
1-6kW + I-ductor 4.0



COLLISION

RANGE OF PRODUCTS - Industry

SPECIALS



GIANT
3+ hours duty cycle



BIDUCTOR (max 18Kw)
2 machines working
simultaneously



**DOUBLE HOSE
PACKAGE**



RUNNER
Heavy power & portable

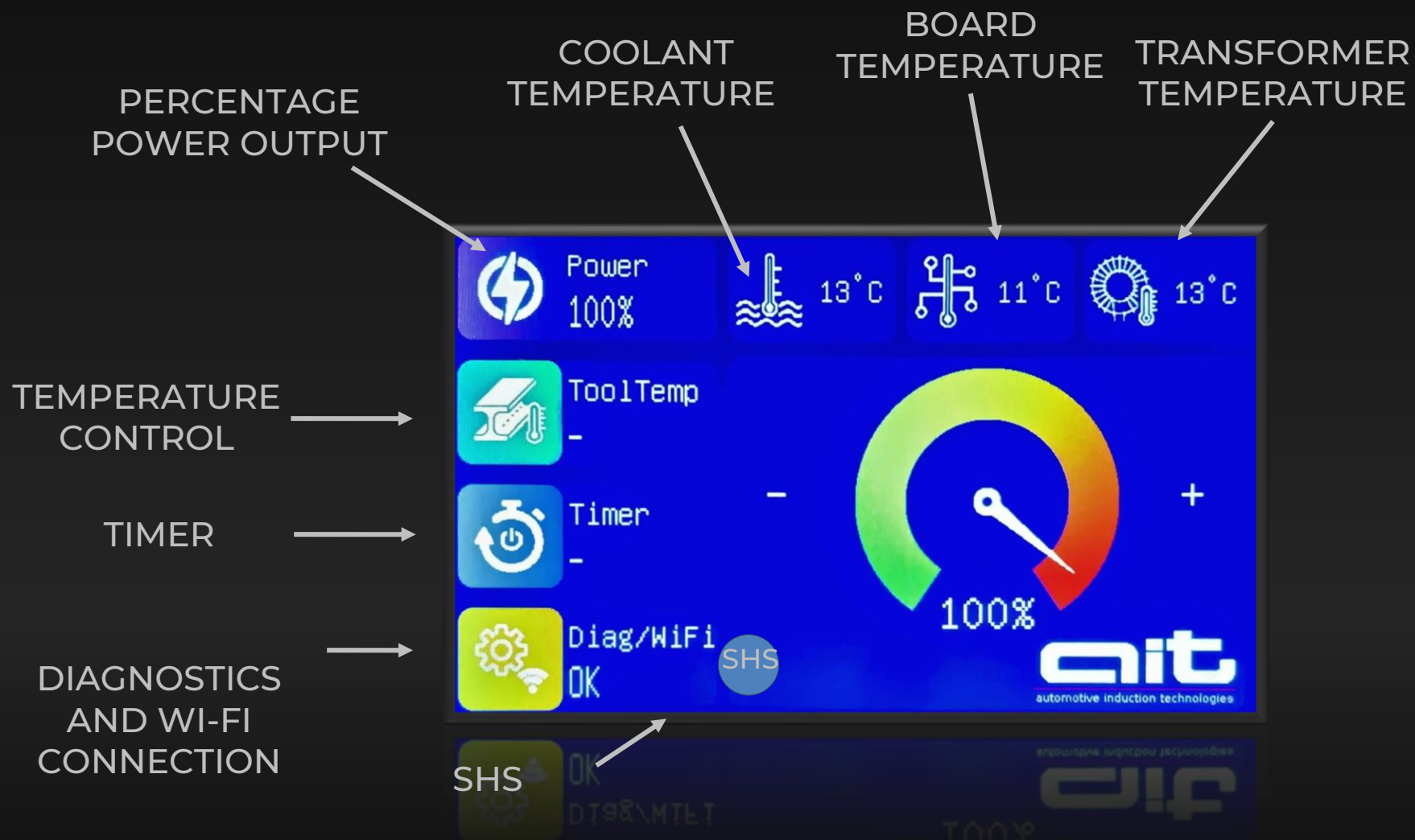


**HEAVY DUTY
STANDARD**
8-23kW

8-21kW

Potential customizations

NEW TOUCH CONTROL





Standard

Garage line



Heavy Duty line



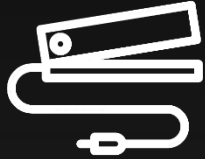
Specials



Autotuning

The exclusive Autotuning function developed by AIT is a special function 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.

OPTIONAL*



Pedal Switch



Wi-Fi



iRT Heat Sensor



Inductor Handle
(standard from 21Kw up)



SHS Smart heating switch
(continuous mode)



Timer

**Available for the Heavy Duty line from 11kW to 23kW*

SERVICE & AFTER SALES

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 will directly support you through:



FAQ and troubleshooting videos



Remote service



Remote service on video



On site

Our technical department regularly keep 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



AIT TOTAL CONTROL

DESIGN

DEVELOPMENT

PRODUCTION