



Heating equipments & tools

Induction Treatment Solutions

Induction Treatment Solutions



Over 40 years of innovative induction heating solutions

Since the beginning of 1979, the company is focused on design and manufacturing induction heating equipment for industrial applications, especially for “automotive” components.

In last 40 years of production, we improve our specialization in hardening and tempering processes.

This specialization permits IVET to achieve great technological developments and today we could claim experience and know-how to the worldwide top level.



MTV SERIES



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MTV 350 1AC 2P COMPACT LINE

Full components onto single base

- 100 kW frequency converter
 - Machine control
 - Process control
 - Cooling system
 - Quenchant system with bag filter
 - Process smoke cleaner
-
- Work piece length up to 350 mm
 - Work piece diameter up to 100 mm
 - Scanning capability [Z] 500 mm
 - Max. scanning speed 200 m/s
 - HMI "User friendly" type
 - Process traceability integrate
 - Industry 4.0 ready



Many other version and options are available



Scan me





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MTV 1000



- *Workpiece length up to 1000 mm*
- *Workpiece diameter up to 350 mm*
- *Scanning capability [Z] 1200 mm*
- *Max. scanning speed [Z] 300 mm/s*
- *Scanning capability [Y] 150 mm*
- *Max. scanning speed [Y] 150 mm/s*
- *HMI "User friendly" type*
- *Process control IPC type*
- *Process traceability integrate*

Many other version and options are available



NFC



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MTV 15001P 2AC



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Workpiece length up to 1500 mm

Workpiece diameter up to 600 mm

Scanning capability [Z] 1650 mm

Max. scanning speed [Z] 300 mm/s

Scanning capability [Y] 150 mm

Max. scanning speed [Y] 150 mm/s

Process traceability integrate

HMI "User friendly" type



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NFC



Many other version and optionals are available

MTR SERIES

MTR3 1500 2AC

3 positions rotary table ●

Workpiece length up to 1300 mm ●

Workpiece diameter up to 550 mm ●

Scanning capability [Z] 1500 mm ●

Max. scanning speed [Z] 300 mm/s ●

Scanning capability [Y] 250 mm ●

Max. scanning speed [Y] 200 mm/s ●

HMI "User friendly" type ●

Process control IPC type ●

Process traceability integrate ●

Industry 4.0 ready ●



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Many other version and optionals are available



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MTR 1T 4P

- 4 Positions rotary table
- Weight capability 5x4 [kg]
- Scanning capability [Z] 750 mm
- Max. scanning speed [Z] 300 mm/s
- Max. piece diameter 100 mm
- Max piece length 500 mm
- HMI "User friendly" type
- Process control integrate
- Process traceability integrate
- Industry 4.0 ready



Scan me

Many other version and options are available

MTR8 500 1T 1R



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8 Position rotary table

Two work stations:

Hardening

Tempering

Max. scanning speed [Z] 300 mm/s

Scanning capability [Z] 750 mm

Max. piece diameter 100 mm

Weight capability 5x8 [kg]

Max. piece length 500 mm

Process traceability integrate

Proces control integrate

HMI "User friendly" type

Industry 4.0 ready



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Many other version and optionals are available

SPECIAL SERIES

MAC 1500 4AC 1P



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Max scanning speed [C] 300 °/s

Max scanning speed [X] 250 mm/s

Max scanning speed [Y] 100 mm/s

Max scanning speed [Z] 100 mm/s

Scanning capability [X] 2000 mm

Scanning capability [Y] 500 mm

Scanning capability [Z] 500 mm

Max. piece weight 500 kg

Max. piece diameter 500 mm

Process control integrate

Industry 4.0 ready

CNC Siemes 804D



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Many other version and optionals are available

MPL 1T 2R 20P



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Linear transfer by pallet ●

High production ●

Work piece length up to 150 mm ●

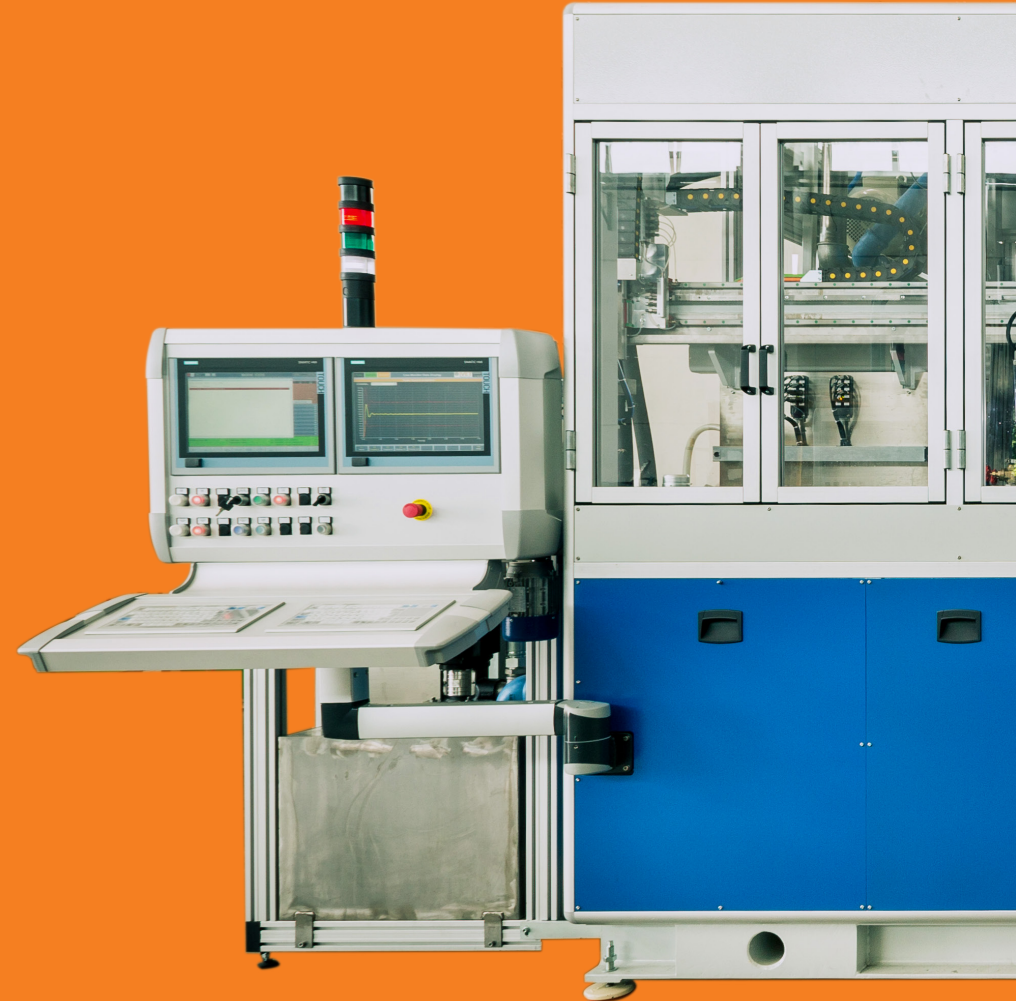
Work piece flange diameter up to 190 ●

HMI "User friendly" type ●

Process control IPC type ●

Process traveability integrate ●

Industry 4.0 Ready ●



NFC

Many other version and optionals are available



- *Automatic load*
- *Check piece position*
- *Hardening*
- *Extra cooling*
- *Drying*
- *Tempering*
- *Final cooling*
- *Drying*
- *Crack testing*
- *Marking*
- *Automatic unload*



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GENERATORS

TOOLING

COOLING UNITS

SOFTWARE



● Today, our manufacturing program is for full IGBT transistor converters with digital control DSP type.

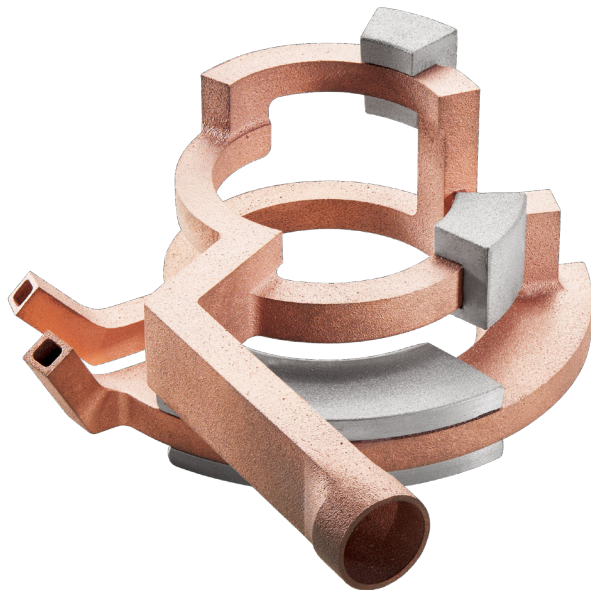
● The updating to the digital control, has allowed to replacement of over 70% of electronic boards (hardware) to software.

● The high level of flexibility (Q-Factor over 2), allows obtaining the max. power in output, with a large range of inductors (single or multi coils).

- Output power range from 10 to 800 kW
- Work frequency range from 300 Hz to 100 kHz

COOLING & QUENCHING UNITS

- Automatic system for avoid the condensation
- Electromagnetic flow meters
- Full stainless steel construction
- Automatic system for temperature stabilization
- Automatic system for weekly pre-heating
- Filtration system in different solutions
- Automatic additive dosage



INDUCTION TOOLING

- Design and manufacturing of inductors, shower and tooling
- Inductor test before delivery

Control unit HMI software Process Control Unit



**Complete system for machine
and process control.**

HMI software “user-friendly” type.

**Complete system for process and
production control.**

Production traceability and Industry 4.0 system

For your choice, we have a large field of solutions already tested, but our **CUSTOMER** could have **ALWAYS** a proper design, with the best solution for technical and economic requirements.

We have the **right team** for this, we can offer customized solutions, at the **same price** as standard solutions.

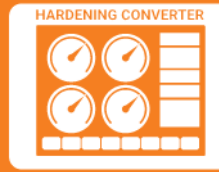
With **IVET team** there is no compromise between requirements and efficient performances of customers solutions.



Heating treatment machines



Frequency converters



Machine controls
HMI process controls



Quenching and cooling units



Induction toolings





01

ONLY
QUALITY
SERVICE

YOUR
REQUEST
OUR
MISSION



03

JUST
meticulous machines
CHECK

TIME
IS OUR
MANTRA




02




04

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