

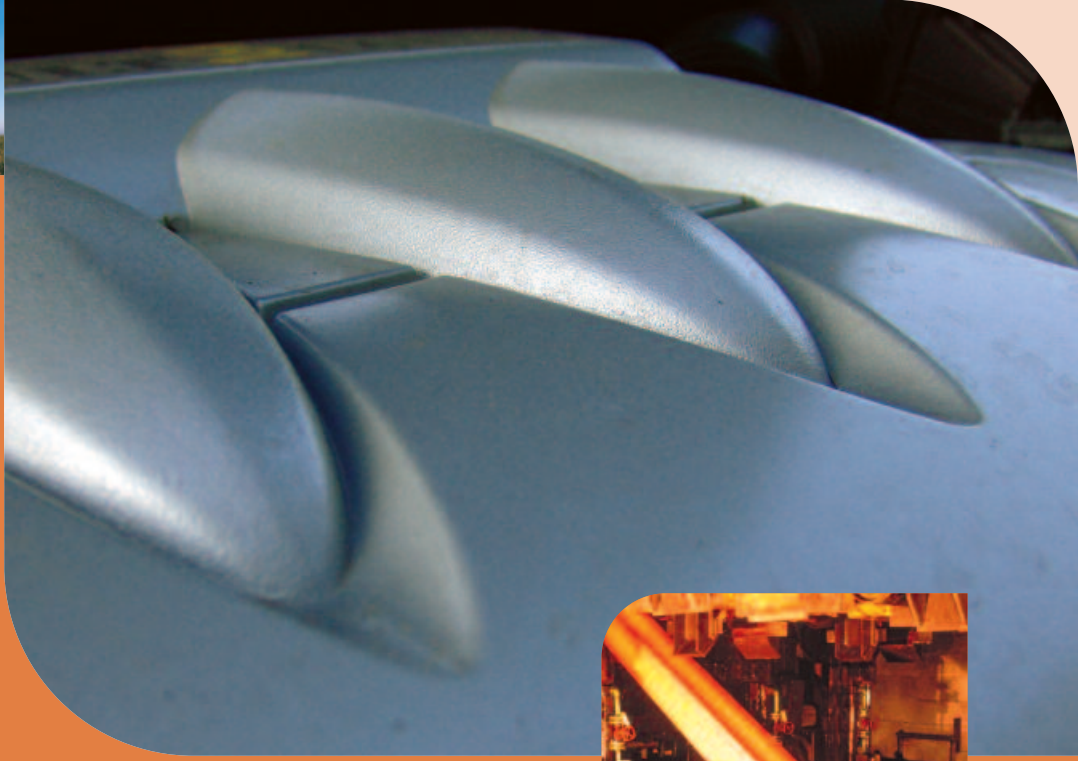
DESIGNER AND MANUFACTURER OF THERMAL TREATMENT EQUIPMENTS

*Thermal treatment
solutions and equipments
for steel and light alloys*



DESIGNER - MANUFACTURER OF INDUSTRIAL EQUIPMENTS





solutions

optimizing steel and light alloys
thermal treatment

For over 50 years, **MECI THERMAL TREATMENT** supplies solutions and equipments for the thermal treatment of steel and light alloys.

With more than 10 000 installations designed, manufactured and installed all over the world, **MECI THERMAL TREATMENT** is proud of the confidence placed by key national and international customers from various and highly concurrential fields of activity (automotive and aeronautics, metallurgy, casting, military,...).

Belt brazing
furnace 600°C



engineering

taking up the economical and quality challenges

The whole engineering process of **MECI THERMAL TREATMENT** is materialized into the so called «M2G Global Meaning™» concept.

This multidisciplinary and unique approach is the base on which are forged pertinent economical and technological solutions.

«Global Meaning™» builds technical and industrial answers, paying attention to three major challenges :

- **Challenge in terms of energy consumption**
- **Challenge in terms of transitory phases management (start up, stop, rates,...)**
- **Challenge in terms of management of product quality**

The whole process of **MECI THERMAL TREATMENT** complies with the ISO 9001 standard.



innovation

promoting the assistance for decision
and the running and prediction operations



MECI THERMAL TREATMENT has increased his efforts :

- *For the development of innovative intervention processes*
- *For the supply of performing control technologies*

The target is double:

- *Within the frame of intervention processes, modelize the performance of the thermal treatment installations*
- *Within the frame of processes supply, provide management, regulation, automation, control and prediction solutions*

In an industrial environment looking at permanent energy savings and constant quality research, these strategic choices represent today a deciding factor for process optimization and control of the thermal treatment process.



Quenching furnace 550°C,
total load submersion,
with tempering furnace



Annealing furnace
1150°C

services

improving the satisfaction level of our customers



MECI THERMAL TREATMENT has designed and developed a wide range of associated services :

SPECIFIC EQUIPMENT DESIGN

The experience and the technological mastery of **MECI THERMAL TREATMENT** to design and offer equipments operating up to 1600 °C to its customers within the frame of specific solutions.

INSTALLATION AND START UP

MECI THERMAL TREATMENT provides its assistance for the installation and start up of its own equipments, including tests and commissioning.

SPARE PARTS

MECI THERMAL TREATMENT supplies over 1000 spare parts references for its own equipments, some of which may be shipped within 48 hours.

PREVENTIVE AND REPAIR MAINTENANCE

MECI THERMAL TREATMENT offers preventive maintenance contracts to its customers.

EQUIPMENT REVAMPING, REPAIR AND QUALIFICATION

Conformity with regulations, safety
Process parameters adjustment
Automation/regulation systems refurbishing



Tempering furnace
750°C



Submerged electrodes salt bath furnace 650 to 1300°C



Metal crucible fusion furnace 900°C



Gas belt furnace 600°C

A full range of thermal equipments

Whatever is the technical application required (quenching, tempering, annealing, stabilizing, cementation, carbo nitriding, copper alloys treatment,...) or the operating modes (semi or fully automatic), **MECI THERMAL TREATMENT** offers a full range of standard or taylor made solutions adapted to the specific needs of its customers, from 0 to 1600 °C

- Annealing furnaces
- Cementation or carbo nitriding furnaces
- Quenching and tempering furnaces
- Solution heat treatment
- Copper alloys treatment
- Brazing furnaces
- Salt bath furnaces
- Driers 200/300°C
- Laboratory and calibration furnaces
- Vertical furnaces
- Horizontal furnaces
- Belt furnaces
- Oscillating furnaces
- Gas or electric heating



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Main references :

Groupe PSA, APM, SKF, EADS, LEROY SOMER, EDF, AIRBUS, FONDERIES DU POITOU, TIMKEN, AEROSPATIALE, CEA, THOMSON, FEDERAL MOGUL, ST JEAN INDUSTRIES, TITEX PLUS, PEUGEOT CYCLES, DASSAULT, Groupe VALEO,...



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