



JAMAI
TRAITEMENT THERMIQUE



**HEAT
TREATMENT**

+ 212 669 589 130

WHO ARE WE?



Jamai Traitement Thermique specializes in heat treatment operations for parts and surfaces, while respecting standards and the environment. Safety, performance, and commitment to our customers are the foundation of our entire strategy and what motivates us every day.

SERVICES

Each heat treatment operation is unique, each of our customers has a specific need which is the subject of a personalized study.

Jamai Traitement Thermique offers a wide range of services covering all applications related to the heat and surface treatment of parts: hardening, carburizing, nitriding, and many other processes.



With nearly 40 years of experience in the field of heat treatment, we put our expertise to work for you. Thanks to our in-depth understanding of metal composition, we can help you choose the treatment best suited to your applications and industry.



OUR OVENS AND EQUIPMENT - OUR CAPACITIES

HEAT TREATMENT

Heat treatment of metals takes place in a furnace, where the parts are first heated to a specific temperature and in a controlled atmosphere or vacuum, giving the metal the desired properties: hardness, ductility, wear resistance, aesthetic appearance, etc. Vacuum furnaces are the leading technology in industrial heat treatment processes and vary widely in capacity and size. Jamaï Traitement Thermique does not hesitate to invest to equip itself with the best capacities to meet the needs of its customers. Below are our furnaces with the associated treatments:



MULTITREATMENT SOLO OVEN

Max temperature: 1000°C
Max weight: 100 kg
Useful dimensions (dxh)
500mm x 600mm

ASSOCIATED TREATMENTS

- OIL QUENCING
- CEMENTATION & HARDENING
- CARBONITRIDING & QUENCING
- GAS NITRIDING

POT OVENS X 2

Max Temperature: 1000°C
Max Weight: 700kg
Useful dimensions (dxh) 520x800 mm
(x1)/600x1200 mm (x2)

ASSOCIATED TREATMENTS

- GAS NITRIDING
- LOW PRESSURE NITRIDING
- CEMENTATION & HARDENING
- OIL QUENCHING • CEMENTING & QUENCHING
- CARBONITRIDING & QUENCHING

HEAT TREATMENT

IPSEN OVEN x2

Max Temperature: 1300°C
Max Weight: 400kg
Useful dimensions (L x W x H)
720mm x 650mm x 500mm

ASSOCIATED TREATMENTS

- VACUUM QUENCHING
(QUENCHING PRESSURE UP TO 6 BARS)

TEMPERING FURNACE X 2

Max Temperature: 750°C
Max Weight: 400 kg
Useful dimensions (dxh)
600x800mm/500x700mm

ASSOCIATED TREATMENTS

Tempering purge oven



OUR CONTROL LABORATORY

The quality of heat treatment is checked at two levels: at the first level, check by the operator at the end of each stage of the treatment cycle, and at the second level, quality control carried out in the laboratory by technicians using various

Measuring instruments:

- ROCKWELL DUROMETER
- VICKERS DUROMETER
- BRINELL DUROMETER
- PORTABLE DUROMETER
- OPTICAL MICROSCOPE
- MICRODUROMETER
- METHOD OF PREPARATION
SLICING, COATING POLISHING



We offer a wide range of heat treatment services. Our facilities are capable of processing a wide range of components of varying sizes to the highest standards, delivering reliable and reproducible results. Our operations are managed by a highly automated and computerized system with trained staff with the experience and expertise necessary to provide adequate support and a true understanding of each client's requirements.





Contact us today!

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