



nuova osar

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ELECTRICAL FURNACE FOR SALT BATH MODEL FF 700 °C - 900 °C

- FAST PREHEAT
- RECOVERY AND EXTINCTION OF STEELS
- SOFT NITRIDING (CRUCIBLES COVERED IN TITANIUM)
- ISOTHERMIC RECLAMATION
- THERMAL HARDENING
- CEMENTATION OF THE SUPERFICIES

GENERALITY;

The furnaces for salt bath with indirect heating, by means of resistors, permit the execution of a wide range of fundamental heat treatments and they have as peculiar advantages: minimal deformations, absence of oxidation and maximum treatment repeatability from the point of view of the precision and the uniformity of the operation. The system comprises of norm the furnace, the relative control board and execution crucible in sweet iron with an external carry-over in resistant refractory heatproof steel. Perimetric aspiration chimney, exhaust fans and special crucibles can be supplied on request.

CONTROL OF THE TEMPERATURE

Control of the temperature realized by thermocouple coupled to an automatic regulator in PID action comes carried out on the resistances. To the inside of the crucible, in the standard equipment , it comes supplied a thermocouple sheathed in a steel pipe, resisting to the heat and to the aggression of the salts that allows the controls of temperature of the bath treatment. The pyrometer, which is connected the thermocouple, acts, moreover, as safety device on the entire system in case of anomalous overcoming of the temperature. The electrical equipment is consistent to the IEC norms.