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STATION OF HEAT TREATMENT OF STEELS mod. S.T.C.

The treatment station mod. S.T.C. is a compact unit that allows an hardening and tempering complete cycle of steels both the carbon and alloys, having interesting total characteristics for applications. The station comprises:

- An hardening furnace with inert gas protection or weakly reducing.
- A recovery furnace with forced ventilation that can operate in a wide range of temperatures including those little over 100 °C, necessary to the treatment of the cementation steel, to obtain good extension and stabilization.
- An extinction bath with mechanical liquid mixer.

GENERAL CHARACTERISTICS

Overall Dimensions of the station:	L.1000xH.1800xP.750/mm
Overall depth with extracted bath:	1100/mm
Station weight:	Kg. 200
Total power of connection to the network V380:	6,5 KW

TECHNICAL DATA

Hardening furnace with metallic muffle, tubes of introduction and measure group of the protection gas.

Useful dimensions of the heating chamber:	L.190xH.130xP.260/mm
Maximum temperature of treatment:	1050° C
Thermocouple:	Tipo K.
Mains Supply:	380V triphase

- Guided horizontal sliding door that facilitates the movement of loads for the immersion in the extinction bath
- Electrical disconnection device to the opening
- Temperature control with microprocessor to double visualization of the thermal cycle parameters
- Timer for the programmed starting and the extinction

Recovery furnace to forced air ventilation

Useful dimensions of the treatment room:	L.210xH.150xP.300/mm
Temperature min/max of recovery:	120/700° C
Installed power:	KW 2,9
Mains Supply:	380V trifase

- Guided horizontal sliding door with electrical disconnection device to the opening
- Temperature control with microprocessor to double visualization of the thermal cycle parameters
- HTimer for the programmed starting and the extinction
- Radial fan of high efficiency



Extinction bath

- Liquid ability 100 liters
- Mechanical liquid mixer
- Small basket of recovery

The bath comes extracted at the moment of uses and therefore it does not constitute an element of permanent overall.