Industrial Furnace

Standard Features:

- Maximum Temperature up to 1300°C.

- Customizable volume.

- Fast Heating and cooling within 30 Min.

- High Uniformity up to +/-5°C.

- Multi segment Microprocessor Based Programmable Temperature Controller.

- High quality silicon carbide elements for continuous working up to 1300°C

- Provision of gas inlet/outlet.

- PLC Controlled Programmable Exhaust thus controllable air inlet and outlet.

- Over-temperature protection.

Why To Choose Tempsens

- Provides a compact design thus save floor space.

- Able to deliver more uniform process heat.

- Easy loading and unloading.

- Highly reliable automatic process control systems.

- Ease of operation and maintenance.

- Convenient for heavy, large, or high-volume workloads.

HTF FAST COOLING FURNACE FOR CERAMIC INDUSTRIES

High Temperature Furnace (HTF) Fast Cooling Series Furnaces commonly used in Applications such as Heat Treatment, Annealing, Tempering, and Stress Relieving of metals and Alloys, Sintering ceramics, Dental, metallurgical and ceramic laboratories.

A fast cooling furnace, also known as a rapid cooling furnace or quenching furnace, is an industrial heating device used in various manufacturing processes to quickly cool materials after they have been subjected to high temperatures. The primary purpose of fast cooling is to prevent undesired microstructural changes and improve the material's mechanical properties.

This series furnaces specifically designed to get the best result between the heating speed and the operating life of Heating element and the thermal insulation. The combination of preformed ceramic fiber board panels, Refractory bricks, and high quality resistances, blowing cooler ambient air directly into the furnace allow a very rapid rise in temperature and cooling thus having great advantages in the work with batch type material loading.

Optional Features:

- Provision for gas/vacuum purging application (Ar, N2, O2, H2, CO2 etc.)

- Available in standard or as per customer size requirement.

- Programmable PID Controller with RS-232/RS- 485/Ethernet & Data Logging Software