HEAT TREATMENT FURNACES

Chamber Type Furnace

Front-loading electric chamber furnace for industrial hardening, annealing and normalising, to 1,150°C.



TEMPERATURE
Up to 1,150°C

HEATING
Electric

INDUSTRIES
Steel forging and casting, tools and dies, engineering

Specifications

Maximum temperature	1,100–1,150°C
Working range	1,000–1,100°C
Example	450 mm chamber height, 15 kW, accuracy within ±5°C
Elements	Kanthal A1 coil on ceramic refractory, up to 1.5 W/cm²
Insulation	6 mm ceramic paper + 250 mm ceramic wool, or 115 mm alumina fibre modules
Shell	5 mm MS
Controls	PID 0–1,200°C, K-type thermocouple, SCR; PLC/HMI with LAN logging optional
Options	thyristor control, cooling fan, roller-top charging table

Features

- Front loading for daily production
- Low element surface loading for long life
- Profile control with data logging option
- Roller-top charging table for heavy parts
- Low-mass fibre lining for fast heat-up
- Temperature accuracy within ±5°C

Applications

- Hardening tools, dies and machined parts
- Annealing and normalising forgings
- Stress relieving small fabrications
- Heat treating samples and prototypes
- Tempering after hardening