

HIGH TEMPERATURE TUBULAR FURNACE

- 1500°C

Precision Heating for Advanced Materials Research & Thermal Processing

Our High Temperature Tubular Furnace is designed for a wide range of high-temperature applications including material synthesis, sintering, calcination, CVD, heat treatment, and more. With precise temperature control, uniform heating, and robust construction, it ensures reliable performance for laboratory and industrial use.



KEY FEATURES



High Temperature Capability

Maximum temperature up to 1500°C for demanding thermal applications.



Precise Temperature Control

Advanced PID controller ensures accurate temperature control with high stability.



High-Quality Heating Zone

High-grade heating elements with excellent thermal efficiency and long life.



Robust & Durable Construction

Double-walled chamber with insulation for safety and energy efficiency.



Gas Flow Control (Optional)

Integrated mass flow controller / rotameter for inert/controlled atmosphere.



Versatile Applications

Suitable for research, development, and industrial thermal processes.

TYPICAL APPLICATIONS



Material Synthesis



Calcination



Sintering



Heat Treatment



CVD Processes



Advanced Research

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	High Temperature Tubular Furnace - 1500°C
Maximum Temperature	1500°C
Operating Temperature	RT to 1500°C
Temperature Controller	Digital PID Controller
Temperature Accuracy	±1°C
Temperature Uniformity	±5°C (at steady state)
Heating Zone Length	300 / 600 / 900 mm (customizable)
Furnace Tube Material	High Purity Alumina / Quartz
Tube Diameter	40 / 60 / 80 / 100 mm (customizable)
Heating Elements	High Quality Silicon Carbide (SiC) Rods
Heating Rate	1-20°C/min (adjustable)
Gas Flow Control	Rotameter / Mass Flow Controller (Optional)
Atmosphere	Air / Inert Gas / Vacuum (with optional setup)
Safety Features	Over-temperature protection, Thermocouple break protection, Overcurrent protection
Power Supply	220 - 240 V AC, 50 Hz (customizable)
Power Consumption	3 kW - 9 kW (model dependent)
Dimensions (W×D×H)	Model dependent
Net Weight	Model dependent

STANDARD ACCESSORIES

- Tubular Furnace with Control Panel
- High Purity Furnace Tube
- Plug & Play Power Cable
- Thermocouple
- Gas Flow Rotameter (Optional)
- User Manual

OPTIONAL ACCESSORIES

- Mass Flow Controller
- Vacuum Pump & Gauge
- Gas Purification System
- Data Logger & Software
- Extra Furnace Tubes



High Temperature Performance



Precise & Stable Control



Energy Efficient Design



Safe & Reliable Operation



Low Maintenance & Long Life



Ideal for R&D & Production

Engineered for Performance. Built for Reliability.
Empowering Innovation in Materials Research & Thermal Processing.