

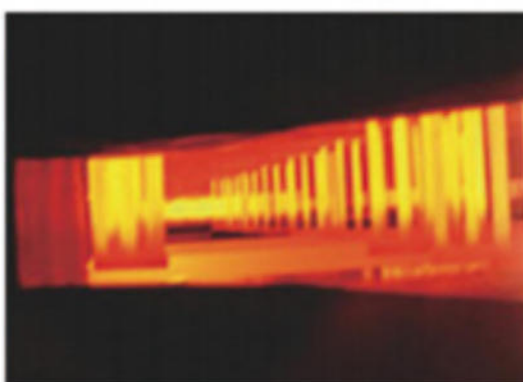
## 1400°C Chamber Muffle Furnace

### Features

- Integrated Structure with elegant design
- Chamber Materials: Vacuum forming ceramic fiber, which has the advantage of no powder drops off with high temperature , and saving energy more than 50%.
- SHIMADEN (Japan) Microprocessor based self-tuning PID control provides optimum thermal
- Long life type S thermocouple.
- CE compliant
- Built-in RS485 port and USB adaptor as optional setting for computer control . it need to add extra fees .



SiC Heating Element



Furnace Inner Picture



- 01 Ventilation Holes
- 02 S-Type Thermocouple
- 03 Ceramic Insulation Door
- 04 SS304 Alloy Hinge
- 05 Shimaden Temperature Controller
- 06 Dual-wall Housing
- 07 Ceramic Insulation Lining
- 08 SS304 Safty Buckle
- 09 SiC Rod Heater
- 10 Sound-light Alarm
- 11 Schneider Air Switch
- 12 Operating Buttons

## Specifications

Model	STM-3-14	STM-8-14	STM-12-14	STM-18-14	STM-27-14	STM-36-14	OEM	
Inner Dimmension (WxDxH) mm	150x150x150	200x200x200	200x300x200	250x300x250	300*300*300	300x400x300	Any size	
Outer Dimension (WxDxH) mm	490x530x750	575x580x825	590x680x835	610x700x860	650*670*900	650x770x900		
Type	Benchtop							
Furnace structure	Alumina Ceramic Chamber, Temperature control system, Heating element, Furnace shell ,Main Electric Parts and other relative accessories							
Max temperature	1400°C							
Continue Temp.	1300°C							
Power supply	220V/3KW	220V/5KW	220V/5KW	220V/6KW	380V/9KW	380V/12KW		
Heating element	High quality Silicon Carbide Rod ( SIC) heater							
Chamber material	High temperature 1500 Type polycrystal alumina ceramic fiber material							
Temp precision	±1°C							
Thermocouple	S type							
Temp controller	SHIMADEN (Japan) brand intelligent microcomputer PID controller can program 4 groups 32 segments							
Electronic Parts	SCHNAIDER (France ) electronics brand							
Heating rate	≤ 25°C/min ( suggest 15°C/min for longer life using of furnace )							
Safety protection	Overheat and thermocouple-break alarm							
Certification	ISO9001 CE SGS							
Furnace shell	High quality cold-rolled steel sheets CNC processing							
Insulation	High quality thermal insulation material to ensure a good uniformity							
Accessories	One pair of high temperature gloves , One pair of crucible tong , one catalog and operation manual							
Optional	Paperless recorder , Stainless steel exhaust chimney , Quartz /Alumina crucible							