KINTEK FURNACE

Muffle Furnace Catalog

Contact us for more catalogs of High Temperature Furnaces, etc.

KINTEK FURNACE

COMPANY PROFILE

>>> About Us

Kintek Furnace is a technology-driven innovator specializing in precision high-temperature laboratory equipment, including muffle furnaces, tube furnaces, vacuum furnaces, atmosphere-controlled systems, and advanced CVD/PECVD solutions. Designed for materials science, chemical research, and thermal processing applications, our robust, energy-efficient systems prioritize precision, safety, and repeatability in extreme heat environments, empowering researchers and industrial labs to achieve groundbreaking results.

1200°C Muffle Oven Furnace For Laboratory

Item Number: KT-12M

Introduction

KINTEK KT-12M Muffle Furnace: Precision 1200°C heating with PID control. Ideal for labs needing rapid, uniform heat. Explore models & customization options.

Learn More

Furnace model	KT-12M / KT-12M Pro		
Max. temperature	1200℃		
Constant work temperature	1100℃		
Furnace tube material (if applicable, typically for tube furnaces)	High purity quartz (confirm if relevant for this muffle)		
Chamber material	Japan alumina fiber		
Heating element	Cr2Al2Mo2 wire coil		
Heating rate	0-30℃/min		
Temperature sensor	Build in K type thermal couple		
Temperature controller	Digital PID controller (KT-12M) / 7" Touch screen PID controller (KT-12M Pro)		
Temperature control accuracy	±1℃		
Temperature uniformity	±5℃		
Electric power supply	AC110-220V, 50/60HZ		
Standard Chamber Sizes In Stock			
Chamber size (mm) WxDxH	Effective volume (L)	Chamber size (mm) WxDxH	Effective volume (L)
100x100x100	1	300x300x400	36
150x150x150	3.4	400x400x400	64
150x150x200	4.5	500x500x500	125
200x200x200	8	600x600x600	216
200x200x300	12	800x800x800	512

Custom designed sizes and volumes are accepted. **Inquire for details.**

No.	Description	Quantity
1	Muffle Furnace (KT-12M or KT-12M Pro)	1
2	Thermal block/hearth plate	1
3	Crucible tong	1
4	Heat resistant gloves	1 pair
5	Operation manual	1

1400°C Muffle Oven Furnace For Laboratory

Item Number: KT-14M

Introduction

KT-14M Muffle Furnace: Precision 1400°C heating with SiC elements, PID control, and energy-efficient design. Ideal for labs.

Learn More

Furnace model	KT-14M
Max. temperature	1400℃
Constant work temperature	1300℃
Chamber material	Japan alumina fiber
Heating element	Silicon Carbide
Heating rate	0-20℃/min
Temperature sensor	S type thermal couple
Temperature controller	Digital PID controller/Touch screen PID controller (KT-14M Pro)
Temperature control accuracy	±1℃
Temperature uniformity	±5℃
Electric power supply	AC110-220V,50/60HZ

Standard Chamber Sizes Stocks

Chamber size (mm)	Effective volume (L)	Chamber size (mm)	Effective volume (L)
100x100x100	1	300x300x400	36
150x150x150	3.4	400x400x400	64
150x150x200	4.5	500x500x500	125
200x200x200	8	600x600x600	216
200x200x300	12	800x800x800	512

Customer design sizes and volume is accepted

No.	Description	Quantity
1	Furnace	1
2	Thermal block	1
3	Crucible tong	1
4	Heat resistant glove	1
5	Operation manual	1

1700°C High Temperature Muffle Oven Furnace For Laboratory

Item Number: KT-17M

Introduction

KT-17M Muffle Furnace: High-precision 1700°C lab furnace with PID control, energy efficiency, and customizable sizes for industrial & research applications.

Learn More

Furnace model	KT-17M / KT-17M Pro
Max. temperature	1700℃
Constant work temperature	1600℃
Chamber material	Japan alumina fiber
Heating element	Molybdenum Disilicide (MoSi2)
Heating rate	0-20℃/min
Temperature sensor	B type thermal couple
Temperature controller	Digital PID controller (KT-17M) / 7-inch Touch screen PID controller (KT-17M Pro)
Temperature control accuracy	±1℃
Temperature uniformity	±5℃
Electric power supply	AC110-220V, 50/60HZ

Standard Chamber Sizes Stocks

Chamber size (mm)	Effective volume (L)	Chamber size (mm)	Effective volume (L)
100x100x100	1	300x300x400	36
120x120x130	2	400x400x400	64
150x150x200	4.5	500x500x500	125
200x200x200	8	600x600x600	216
200x200x300	12	800x800x800	512

Customer design sizes and volume is accepted.

No.	Description	Quantity
1	Furnace	1
2	Thermal block	1
3	Crucible tong	1
4	Heat resistant glove	1
5	Operation manual	1

1800°C High Temperature Muffle Oven Furnace For Laboratory

Item Number: KT-18M

Introduction

KINTEK Muffle Furnaces: Precision 1800°C heating for labs. Energy-efficient, customizable, with PID control. Ideal for sintering, annealing, and research.

Learn More

Furnace model	KT-18M		
Max. temperature	1800℃		
Constant work temperature	1700℃		
Chamber material	Japan alumina fiber		
Heating element	Molybdenum Disilicide		
Heating rate	0-20℃/min		
Temperature sensor	B type thermal couple		
Temperature controller	Digital PID controller/Touch screen PID controller		
Temperature control accuracy	±1℃		
Temperature uniformity	±5℃		
Electric power supply	AC110-220V,50/60HZ		
Standard Chamber Sizes Stocks			
Chamber size (mm)	Effective volume (L)	Chamber size (mm)	Effective volume (L)
100x100x100	1	300x300x400	36
120x120x130	2	400x400x400	64
150x150x200	4.5	500x500x500	125
200x200x200	8	600x600x600	216
200x200x300	12	800x800x800	512
Customer design sizes and volume is accepted			

No.	Description	Quantity
1	Furnace	1
2	Thermal block	1
3	Crucible tong	1
4	Heat resistant glove	1
5	Operation manual	1

High Temperature Muffle Oven Furnace For Laboratory Debinding And Pre Sintering

Item Number: KT-MD

Introduction

KT-MD Debinding & Pre-Sintering Furnace for ceramics - precise temperature control, energy-efficient design, customizable sizes. Boost your lab efficiency today!

Learn More

Furnace model	KT-MD
Constant work temperature	1100/1300 ℃
Chamber material	Japan alumina fiber
Heating element	Cr2Al2Mo2 wire coil/Silicon Carbide
Heating rate	0-20℃/min
Temperature sensor	K/S type thermal couple
Temperature controller	Digital PID controller/Touch screen PID controller
Temperature control accuracy	±1℃
Electric power supply	AC200-440V,50/60HZ

Standard Chamber Sizes Stocks

Chamber size (mm)	Effective volume (L)	Chamber size (mm)	Effective volume (L)
300x300x300	27	300x300x400	36
400x400x400	64	500x500x500	125
600x600x600	216	800x800x800	512

Note: Other sizes and volumes can be customized to your specific requirements.

No.	Description	Quantity
1	Furnace	1
2	Thermal block	1
3	Crucible tong	1
4	Heat resistant glove	1
5	Operation manual	1

Laboratory Muffle Oven Furnace With Bottom Lifting

Item Number: KT-BL

Introduction

Boost lab efficiency with KT-BL Bottom Lifting Furnace: precise 1600℃ control, superior uniformity, and enhanced productivity for material science and R&D.

Learn More

Furnace model	KT-BL
Working temperature range	1100/1300/1600℃
Chamber material	Al2O3 polycrystalline fiber
Heating element	Silicon Carbide/Molybdenum Disilicide
Recommended Heating rate	0-20℃/min (Max 30°C/min)
Temperature sensor	K/S/B type thermal couple
Temperature controller	Touch screen PID controller (Yudian advanced)
Temperature control accuracy	±1℃
Temperature uniformity	±5℃
Electric power supply	AC110-220V, 50/60HZ

Standard Chamber Sizes (Custom sizes available)			
Chamber size (mm)	Effective volume (L)	Chamber size (mm)	Effective volume (L)
200x200x300	12	400x400x500	80
300x300x300	27	500x500x500	125
300x400x300	36	600x600x600	216
400x400x400	64	800x800x800	512
Customer designed sizes and volumes are accepted. Inquire for details.			

No.	Description	Quantity
1	KT-BL Bottom Lifting Furnace	1
2	Thermal block/Loading Stage	1 (or 2 if dual stage option selected)
3	Crucible tong	1
4	Heat resistant gloves	1 pair
5	Operation manual	1

Kintek Furnace

Head Quarter: No.89 Science Avenue, High-Tech Zone,
Zhengzhou, China

info@kindle-tech.com | https://kintekfurnace.com