



KINTEK SOLUTION

## Vacuum Arc Melting Furnace Catalog

Contact us for more catalogs of Sample Preparation, Thermal Equipment, Lab Consumables & Materials, Bio-Chem Equipment, etc...

# KINTEK SOLUTION

## COMPANY PROFILE

### >>> About Us

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vacuum creating, refrigerating, as well as pharmaceutical and petroleum extracting equipment.

In the past 20 years, we earned rich experiences in this researching equipment field, we are capable to supply both the equipment and solution according to customer's needs and realities, we have also developed lots of customer tailored equipment according to a specific working purpose, and we have lots of successful projects in many universities and institutes from different countries, like Asia, Europe, North and South America, Australia and New Zealand, Middle East, and Africa.

Profession, quick response, hard working, and sincerity is a remarkable label of our team members working attitude, which earn us a sound reputation among our clients.

We are here and ready to service our clients from different countries and regions, and share the most efficient and reliable technology together!



# Vacuum Induction Melting Furnace Arc Melting Furnace

Item Number: KT-VI



## Introduction

Get precise alloy composition with our Vacuum Induction Melting Furnace. Ideal for aerospace, nuclear energy, and electronic industries. Order now for effective smelting and casting of metals and alloys.

[Learn More](#)

Crucible effective volume	4L
Crucible effective capacity (Steel)	20kgs
Max temperature	2000 °C
Max melting vacuum	<ul style="list-style-type: none"> <li>• 7×10<sup>-3</sup>Pa</li> <li>• Vacuum time: open diffusion pump when preheating is complete, then up to 7×10<sup>-3</sup>Pa in 30 minutes.</li> </ul>
Rated power	60KW
Rated voltage	375V
Power frequency	50HZ
Rated frequency	1500~2500HZ
Rated frequency	1500~2500HZ
Heat element	Induction copper coil
Vacuum system	<ul style="list-style-type: none"> <li>• 70L/s Double stage Rotary vane mechanical pump</li> <li>• Dia.300mm diffusion pump, Max. pumping speed: 5000L/s</li> <li>• Dia.300mm diffusion pump clod trap, effective cooling cycle for pump oil</li> <li>• Dia.300mm diffusion pump flapper valve + Dia.80mm former pump flapper valve</li> <li>• Stainless pipe + stainless bellows</li> </ul>

Model	Capacity	Temperature	Vacuum	Rated power
KT-VI5	5kg	1700 °C	6x10 <sup>-3</sup> Pa	40Kw
KT-VI10	10kg			40Kw
KT-VI25	25kg			75Kw
KT-VI50	50kg			100Kw
KT-VI100	100kg			160Kw
KT-VI200	200kg			200Kw
KT-VI500	500kg			500Kw

Semi-contentiously melting production can be customized

# Vacuum Levitation Induction Melting Furnace

Item Number: KT-VIL



## Introduction

Experience precise melting with our Vacuum Levitation Melting Furnace. Ideal for high melting point metals or alloys, with advanced technology for effective smelting. Order now for high-quality results.

[Learn More](#)

Model	KT-VIL-0.5	KT-VIL-2	KT-VIL-5	KT-VIL-10	KT-VIL-20
Capacity	0.5kg	2kg	5kg	10kg	20kg
Vacuum leakage	5Pa/h				
Vacuum pressure	6×10 <sup>-3</sup> Pa				
Power supply	380V[3phase]50Hz				
Frequency	6000-10000Hz				
Rated power	25kW	160kW	400kW	400kW	500kW
Cold water pressure	0.2-0.4MPa				
Cold water consumption	3M3	15M3	30M3	40M3	45M3

# Vacuum Induction Melting Spinning System Arc Melting Furnace

Item Number: KT-VIS



## Introduction

Develop metastable materials with ease using our Vacuum Melt Spinning System. Ideal for research and experimental work with amorphous and microcrystalline materials. Order now for effective results.

[Learn More](#)

Model	KT-VIS2	KT-VIS15	KT-VIS50	KT-VIS100
Capacity	20g	150g	500g	1000g
Crucible	Boron Nitride/Quartz			
Belt width	1-10mm	1-30mm	1-40mm	1-70mm
Spinner size	φ200mm	φ220mm	φ300mm	φ300mm
Speed	3000r/min			
Vacuum	6.7*10 <sup>-4</sup> pa			
Insert gas	Ar			
Rated power	7kw	15kw	25kw	35kw
Power supply	AC110-480V 50/60HZ			
Optional part	Infrared temperature meter, recirculating chiller, Spray casting copper mold			

Other requirement can be customized

# Vacuum Arc Furnace Induction Melting Furnace

Item Number: KT-VA



## Introduction

Discover the power of Vacuum Arc Furnace for melting active & refractory metals. High-speed, remarkable degassing effect, and free of contamination. Learn more now!

[Learn More](#)

Model	KT-VA1	KT-VA5	KT-VA25	KT-VA200
Capacity (Kg)	1	5-15	25	200
Working voltage (V)	20-40			
Working current (A)	1000A	3000A	6000A	12000A
Vacuum pressure (Pa)	1.3-1.3x10 <sup>-2</sup>			
Electrode size (mm)	Φ25-40 x 400	Φ10-45x1200	Φ30-60x1350	Φ56-150x1745
Ingot size (mm)	Φ60x100	Φ80x135	Φ100x400mm	Φ200x670mm
Dimensions (m)	0.8x0.35x1.8	3.81x3.0x5.21	4.43x3.33x4.93	7.4x3.4x6.72

# Non Consumable Vacuum Arc Furnace Induction Melting Furnace

Item Number: KT-VAN



## Introduction

Explore the benefits of Non-Consumable Vacuum Arc Furnace with high melting point electrodes. Small, easy to operate & eco-friendly. Ideal for laboratory research on refractory metals & carbides.

[Learn More](#)

Melting temperature	3500 °C
Vacuum chamber	304 stainless steel
Vacuum pressure	
Melting capacity	20-500g
Rated melting current	200-1000A
Smelting station	5-7 standard smelting station
Insert working gas	Ar
Optional function	Suction casting/Extra smelting station



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