

MATERIALS PROCESSING SOLUTIONS



KSL1100XS220

1100C Compact Muffle Furnace (4"x4"x5") w/ Programmable Temp. Controller

KSL-1100X-S-UL-LD is a compact muffle furnace that offers 4"x4"x4" high-purity fibrous alumina chamber, gas inlet and outlet ports, and a 30-segment, programmable temperature controller. It is the ideal muffle furnace for preparing small-sized samples using temperatures up to 1100°C in material research and dental labs with maximum energy saving (500 - 700W only). In addition, the compact furnace can be placed into a glove box to sinter or dry samples in a vacuumed or controlled atmosphere.

SPECIAL OFFER

15%
OFF

- ⇒ Operating Temp:
200 °C - 1000°C max
continuously, 1100°C max
for an hour
- ⇒ Max Heating Rate:
30 °C /min



OTF1200XS25V220

1200C Compact Split Tube Furnace (8" heating zone) w/ Vacuum Flanges & Optional Tube Size

OTF-1200X-S is a compact split tube furnace with a max working temperature of 1200°C. The furnace can adopt either a 1", 2" or 2.36"(60mm) O.D quartz tube (optional) with a pair of stainless steel vacuum sealing flanges, which allows heating samples in the vacuum or flowing gas. The built-in precision temperature controller can provide up to 30 segments of heating and cooling steps with +/- 1 °C accuracy.

SPECIAL OFFER

10%
OFF

- ⇒ Max Temp:
1200°C (<1 hour)
- ⇒ Continuous Temp:
1100°C (continuous)
- ⇒ Max. Heating Rate:
≤ 10 °C/min



KSL1200X

1200C Muffle Furnace (12" x 8" x 5", 7.2L) with Vent Port & Quartz Window

KSL-1200X is a compact muffle furnace that offers 12" x 8" x 5" heating chamber with an observation window and a 30 segments programmable temperature controller. It is the ideal muffle furnace for preparing samples with temperatures up to 1200°C in research and materials labs with maximum energy saving.

SPECIAL OFFER

15%
OFF

- ⇒ Max Working Temp:
1200°C Max continuously
- ⇒ Stability:
+/- 0.5°C @ 1000°C
- ⇒ Max Heating Rate:
30°C/ min.



GSL1500X50

1500C Max. Compact Tube Furnace (2" O.D) with Complete Accessories - GSL1500X50

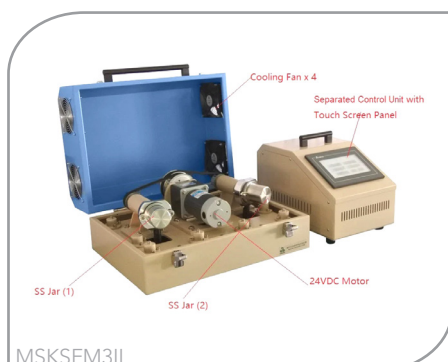
GSL-1500X-50-UL is a compact high temperature 2" O.D tube furnace using 99% High Purity processing tube and SiC heating elements. Vacuum sealing assembly is included to connect with 1/4" gas hose. The temperature of GSL1500X50 tube furnace is controlled by high precision SCR (Silicon Controlled Rectifier) digital controller with accuracy +/-1°C and 30 segments programmable up to 1500°C.

SPECIAL OFFER

10%
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- ⇒ Working Temp:
1500 °C (< 1 hour)
- ⇒ Continuous Temp:
1400 °C

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MSKSFM3II

Dual Shaft Programmable Rotary & Shaker Ball Mill w/ 4 Jars

MSK-SFM-3-II is a dual shaft high-energy ball mill with 3D movement which can mill two types of powder into nanoscale at the same time. It has a high impact force created by three-dimensional movement, e.g. rotation, vibration, and oscillation with frequencies up to 1000 RPM. The 24VDC motor is built-in with the separated and programmable control unit, which can be operated inside a glovebox with Argon gas.

SPECIAL OFFER

**10%
OFF**

- ⇒ Dual jar design for milling two types of samples at the same time.
- ⇒ The 24VDC motor allows use in an Ar gas environment. RPM with the separated control unit.



MSK-2150

Electric Precision Rolling Press with Tool Box, Glovebox Compatible

MSK-2150 Electric Roller Press is a rolling equipment designed for sheets or coils. Driven by an electric motor, the machine operates by its rollers, and is specifically suitable for rolling the positive and negative electrode sheets in the lithium-ion battery industry. It features adjustable rolling thickness, excellent rolling uniformity, and high precision. With simple and convenient operation, it has become the first choice for researchers in sample preparation and small-batch production.

SPECIAL OFFER

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OFF**

- ⇒ Roll Specs: Diameter - 94 x 150mm
- ⇒ Rolling Gap: Max gap - 1.3 mm, min gap - 0mm (max gap can be customised to 2mm)
- ⇒ Dimension: L530 x W355 x H370 mm



MSK-AFA-SC200

Compact Tape-Casting Coater with Vacuum Chuck, Adjustable Film Applicator

The MSK-AFA-SC200 sheet/flatbed coating machine has a maximum coating size of 150 x 300 mm and can be used inside a glove box. It features an external vacuum pump and can be equipped with a 150 mm wide coating blade, wire bar, four-sided film maker, or extrusion coating composite film maker.

SPECIAL OFFER

**10%
OFF**

- ⇒ Coating type: Single-blade doctor blade coating
- ⇒ Coating range: Max L300 x W150 mm
- ⇒ Coating speed: 20-96 mm/s, manually adjustable
- ⇒ Coating thickness: Accuracy $\pm 3 \mu\text{m}$



VTC200

Programmable Vacuum Chuck Spin Coater (500-6000 rpm, 8" Max) w/ Optional Heating Cover VTC200

VTC-200 is CE certified compact spin coater with vacuum chuck, is designed for easy and quick coating for wafers up to 8" diameter or 5" x 5" square. The spinning speed is variable from 500-6000 rpm with two programmable segments. The heatable cover is optional, which allow drying sample after coating. Includes dry vacuum pump, and features spin chamber made from corrosion resistant PP.

SPECIAL OFFER

**10%
OFF**

- ⇒ 500 - 6000 RPM
- ⇒ Syringe Capacity 20 mL
- ⇒ Max 8" dia. Wafer