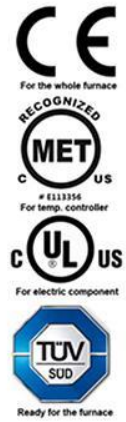










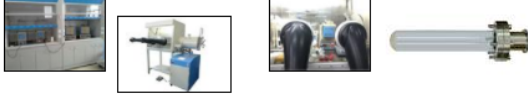
Compact Hybrid Furnace (4x4x4", 1000°C), Muffle/Tube 2-In-1 - KSL-1100X-S-H



KSL-1100X-S-UL-LD is a CE certified & UL Ready compact hybrid furnace that offers 4"x4"x4" high purity fibrous alumina chamber, gas inlet and outlet ports and a 30-segment, programmable temperature controller, and the furnace is with UL / MET / CSA Certified electric components. For material synthesis under vacuum or the specific gas, This hybrid furnace integrates a 50mm O.D tube with the sealing flange into the small box furnace. It is the ideal muffle furnace for preparing small-sized sample using temperatures up to 1000°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 samples in a vacuumed or controlled atmosphere.

SPECIFICATIONS:

<p>Furnace Construction</p> 	<ul style="list-style-type: none"> High purity fibrous alumina insulation for maximum energy saving - 30% less power consumption than other brands (click pic below -left to order spare) Door drops down for easy and safe sample loading and unloading (with automatic power off when the door is opened). Hybrid Furnace: <ul style="list-style-type: none"> One end flanged 2" quartz tube is included to perform tube flange application. (See the main picture) Thermal block is included, which can be inserted to work as a muffle furnace. (See the second pic at the left) Pressure gauge "The Stinger" is included for accurate digital pressure measurement. 
<p>Temperature Calibrator</p> 	<ul style="list-style-type: none"> Portable Digital Temperature Calibrator with USB and RS232 Interface & Software - NIST certificated - EQ-TC-calibrator-LD
<p>Chamber Size</p> 	<ul style="list-style-type: none"> Size: 4"x4"x4" or 100x100x100 mm Capacity: 65 cubic-inch or 1 liter Click on picture to see the chamber size
<p>Power</p>	<ul style="list-style-type: none"> 110V version: 950 W (power cord is included) 220V version: 1.2KW
<p>Voltage</p>	<p>AC 110V or AC 220V 50/60 Hz -- please select the voltage in the option bar</p>
<p>Operating Temperature</p>	<ul style="list-style-type: none"> 1000°C max for an hour
<p>Max. Heating Rate</p>	<p>30 °C /min</p>
<p>Temperature Controller</p>	<ul style="list-style-type: none"> PID automatic control and auto-tune function. 30 programmable segments for precise control. Built-in protection for the over-heating and broken thermocouple. Large digital control panel (48 x 96 mm) for easy operation.
<p>Temperature Accuracy</p>	<p>+/- 1 °C</p>
<p>Heating Elements</p>	<p>Fe-Cr-Al Alloy doped by Mo</p>
<p>Thermocouple</p>	<p>K type</p>
<p>Optional</p> 	<ul style="list-style-type: none"> Two 8 mm diameter hose barb connectors (gas inlet and outlet) (see pic below) in the furnace back panel are available at extra cost (\$99 for both connectors). Check the option box. Note: Self-Installation is required. The open barb-holes and threaded holes will be ready.
<p>Overall Dimensions</p> 	<ul style="list-style-type: none"> 200 x 230 x 360 mm (Without tube) Click on picture to enlarge and view details
<p>Laptop, software & WiFi Control(Optional)</p>	<ul style="list-style-type: none"> Brand new laptop with Microsoft Window 10 and Microsoft Office 2013 (30 days free trial) for immediate use. Labview Based Temperature Control System (EQ-MTS01) enables user to edit temperature profile, manage heat-treatment recipe, record and plot data for MTI furnaces. A wireless remote control provides up to 300 meters operating range. Above features are available upon request at an extra cost (up to \$1,000). Please contact us for more information. Note: The software is only compatible with MTI's Yudian Temperature Controller 
<p>Net Weight</p>	<p>~ 8Kg</p>
<p>Shipping Dimensions</p>	<p>17"(L) x14"(W) x 18"(H)</p>
<p>Shipping Weight</p>	<p>40 lbs</p>
<p>Warranty</p>	<ul style="list-style-type: none"> One year limited warranty with lifetime support ATTENTION: Any damages caused by the use of corrosive and acidic gases are not under the coverage of MTI One Year Limited Warranty.

<p>Compliance</p>	<ul style="list-style-type: none"> • CE Certified • All electric components (>24V) are UL / MET / CSA certified • The furnace is ready to pass TUV(UL61010) or CSA certification at extra cost. (please click marks below to learn details) 
<p>Application Notes</p>	<ul style="list-style-type: none"> • With the small footprint, low weight and low power requirement, it can be easily accommodated in a glove box and heat treat samples under protective gas. Please click pic.1-3 to see details. • For High vacuum application (> 10e-6 torr) , please choose quartz tube with CF flange as picture 4  <p style="text-align: center;"> Pic.1 Pic.2 Pic.3 Pic.4 </p>
<p>Warnings</p>	<ul style="list-style-type: none"> • Toxic or explosive gases are not recommended for use with this furnace without necessary safety controls and supervision. Please put furnace into fume hood for better safety (Click Pic.1) • Small cracks may appear on the surface of the refractory ceramics over extended use. This is a normal occurrence and the cracks may be repaired with alumina coating.

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