














**5-Side Heating 64 L Heavy Duty Muffle Furnace (16x16x16", 64L, 1200°C max.) with Dual Temp. Controllers - KSL-1200X-L5-UL**



KSL-1200X-L5-UL is a five sides heating muffle furnace, which is designed for annealing super-alloy and precious metal with more uniform temperature zone and SiC sheet is installed on the bottom of the chamber which can load heavy sample up to 100 kg.

## SPECIFICATIONS:

<b>Structure</b>  	<ul style="list-style-type: none"> <li>• Five sides heating ( left, right, front, back, and bottom ) to achieve more uniform temperature zone.</li> <li>• One SiC sheet is placed on the bottom of the chamber ( top of the heating element ) to support heavy sample load up to 100 kg.</li> <li>• Double temperature controller to ensure furnace never overshoot in any accident.</li> <li>• Thermal efficient ceramic (high purity alumina fiber) insulation surrounding the chamber provides maximum energy efficiency.</li> <li>• Heavy duty double layer structure with the cooling fan to keep furnace exteriors safe to touch.</li> <li>• Built-in vent port removes undesirable contaminants and moisture; extends the life span of the heating elements and furnace.</li> </ul>
<b>Chamber Dimensions</b>	<ul style="list-style-type: none"> <li>• 16 " x 16" x 16" ( D x H x W ) (40x40x40 cm)</li> <li>• Capacity : 64 liters/ 4100 cubic-inches/ 2.37 cubic ft</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 8800 Watts</li> <li>• Note : Power cable included, but without the plug. Please install a plug by your own or click link below picture to choose a plug according to your country or your lab requirement</li> </ul> 
<b>Current Rating</b>	45 A
<b>Voltage</b>	AC 208 - 240 Single phase, 50/50Hz
<b>Operating Temp Range</b>	<ul style="list-style-type: none"> <li>• 100-1100°C-Max continuously</li> <li>• 1200°C-Max under an hour</li> <li>• Note: for using =&gt;1000°C, furnace block must be placed front chamber.</li> </ul>
<b>Stability at 1000°C</b>	+/- 1°C
<b>Uniformity at 1000°C</b>	+/- 5°C within 250 x 250 x 250mm space
<b>Max. Heating Rate</b>	20°C/ min
<b>Temperature Controller</b> 	<ul style="list-style-type: none"> <li>• FA-YD518P-AG temperature controller is included.</li> <li>• Proportional–integral–derivative control (PID control) and auto-tune function</li> <li>• 30 segments programmed with ramping, cooling and dwelling steps</li> <li>• Built-in over-temperature alarm and thermocouple failure alarm</li> <li>• +/- 1 °C temperature control accuracy</li> <li>• Default DB9 PC communication port</li> <li>• MET Certified</li> </ul>
<b>Temperature controller (optional)</b> 	<ul style="list-style-type: none"> <li>• MTS02-Y Temperature control software kit (for YD518P series controllers) + 15" laptop package is available at the options bar. <a href="#">Click for the detail information about the MTS02-Y software kit.</a></li> <li>• You may upgrade the temperature controller to the <a href="#">Eurotherm Temperature Controller</a> which is fully compatible with LabVIEW and provide +/- 0.1°C accuracy. This package includes a Eurotherm programmer, a communication cable (RS485 - USB) and a software CD. Click the pic below to view the full spec of the Eurotherm temperature controller.</li> </ul>
<b>Laptop, software &amp; WiFi Control(Optional)</b>	<ul style="list-style-type: none"> <li>• Brand new laptop with Microsoft Window 10 and Microsoft Office 2013 (30 days free trial) for immediate use.</li> <li>• <b>Labview Based Temperature Control System (EQ-MTS01)</b> enables user to edit temperature profile, manage heat-treatment recipe, record and plot data for MTI furnaces.</li> <li>• A wireless remote control provides up to 300 meters operating range.</li> <li>• Above features are available upon request at an extra cost (up to \$1,000). Please contact us for more information.</li> <li>• <b>Note:</b> The software is only compatible with MTI's Yudian Temperature Controller</li> </ul> 
<b>Optional</b> 	1/4" Barbed Gas Inlet/Outlet can be installed on the back of furnace upon customer's request. (\$99.95/each)
<b>Overall Dimensions</b>	26" x 28" x 28 (DxHxW)
<b>Shipping Weight</b>	300 Lbs (shipping by pallet)

Warranty	<ul style="list-style-type: none"> <li>One-year limited warranty with lifetime support.</li> <li><b>ATTENTION: Any damages caused by the use of corrosive and acidic gasses are not under the coverage of MTI One Year Limited Warranty.</b></li> </ul>
Compliance	<ul style="list-style-type: none"> <li>CE Certified</li> <li>All electric components ( &gt;24V) are UL / MET / CSA certified</li> <li>The furnace is ready to pass TUV(UL61010) or CSA certification at extra cost. ( please click marks below to learn details )</li> </ul> <div>      </div>
Application Notes	<ul style="list-style-type: none"> <li>This furnace lacks vacuum sealing, toxic or explosive gasses are not recommended for use with this furnace without necessary safety controls and supervision.</li> <li>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 <a href="#">alumina coating</a>.</li> </ul> <div>  </div> <ul style="list-style-type: none"> <li><a href="#">click here to choose a crucible</a></li> </ul>

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Parto  
Shar