












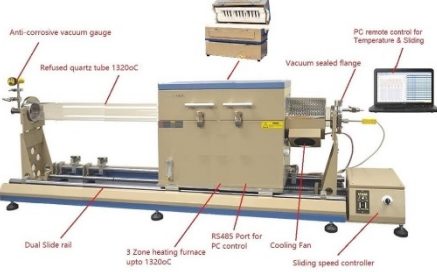






Table 1: Tabulated MTI RTP Furnaces

Model	Working tube dia.	Max. heating rate	Working Temperature	Features	Item Image
OTF-1200X-RTP-4-SL	4.05" OD	50°C/s	Max: 1000°C (< 1 hour) Max: 800°C (< 2 hours) Cont: 600°C	<ul style="list-style-type: none"> <li>• Process tube length: 1400mm</li> <li>• Standard working life: 2000 hours</li> </ul>	
OTF-1200X-RTP-4	4" ID	50°C/s	Max: 1100°C (< 10 mins) Max: 1000°C (< 20 mins) Max: 800°C (< 120 mins) Cont: 600°C	<ul style="list-style-type: none"> <li>• Max. cooling rate: 60°C/min</li> <li>• Min. cooling rate: 10°C/min</li> <li>• Heating zone: 12" length with 4" constant temperature</li> </ul>	
OTF-1200X-50S-PESL	2" OD x 1.7" ID		Max: 1200°C (< 60 mins) Cont: 1100°C	<ul style="list-style-type: none"> <li>• Heating Zone Length: 8" (200mm), single zone</li> <li>• Constant Temp. Zone: 2.3" (60mm) (±1°C) @ 1000 °C</li> <li>• Film stress can be controlled by high/low frequency mixing techniques</li> </ul>	

<p>OTF-1200X-IR-IISL</p>	<p>4" ID</p>	<p>50°C/s</p>	<p>Max: 900°C (&lt; 10 mins) Max: 800°C (&lt; 30 mins) Cont: 600°C</p>	<ul style="list-style-type: none"> <li>• Double-layer steel casing with air cooling keeps furnace surface temperature lower than 60°C</li> <li>• Heated by shortwave IR tube lamps for fast heating</li> <li>• Two heating zones, 195 mm each, a total of 390 mm in length for HPCVD</li> </ul>	 <p>CE MET UL US TUV</p>
<p>OTF-1200X-S-DVD</p>	<p>2" OD</p>	<p>20°C/min</p>	<p>Max: 1200°C (&lt; 1 hour) Cont: 1100°C</p>	<ul style="list-style-type: none"> <li>• Heating Zone Length: 8" (200mm), single zone</li> <li>• Constant Temp. Zone: 2.3" (60mm) (±1°C) @ 1000 °C</li> </ul>	 <p>CE MET UL US TUV</p>
<p>OTF-1200X-50-SL</p>	<p>2" OD</p>	<p>15°C/s</p>	<p>Max: 1200°C (&lt; 1 hour) Cont: 1100°C</p>	<ul style="list-style-type: none"> <li>• Heating Zone Length: 8" (200mm), single zone</li> <li>• Constant Temp. Zone: 2.3" (60mm) (±1°C) @ 1000 °C</li> </ul>	 <p>CE MET UL US TUV</p>
<p>GSL-1500X-50RTP</p>	<p>50mm OD x 44mm ID</p>	<p>30°C/s (quartz tube) 10°C/s (mullite tube)</p>	<p>Max: 1500°C Cont: 1400°C (for mullet tube only)</p>	<ul style="list-style-type: none"> <li>• Heating Zone Length: 6" (152mm)</li> <li>• Constant Temp. Zone: 100mm (±1°C) @ 800 - 1500 °C</li> </ul>	 <p>CE</p>

<p>OTF-1200X-S-HPCVD</p>	<p>50mm OD x 44mm ID</p>	<p>10°C/s</p>	<p>Max: 1200°C Cont: 1100°C</p>	<ul style="list-style-type: none"> <li>• Heating Zone Length: 8" (200mm), single zone</li> <li>• Constant Temp. Zone: 2.3" (60mm) (±1°C) @ 1000 °C</li> </ul>	 <p>CE UL MET</p>
<p>OTF-1200X-RTP-4-HV</p>	<p>4" ID</p>	<p>50°C/s</p>	<p>Max: 1100°C (&lt; 10 mins)</p>	<ul style="list-style-type: none"> <li>• Heating Zone Length: 12" (300mm)</li> <li>• Constant Temp. Zone: 4" (100mm) (±1°C)</li> </ul>	 <p>CE UL MET</p>
<p>OTF-1200X-80-SL</p>	<p>3.2" OD x 3" ID</p>	<p>15°C/s</p>	<p>Max: 1200°C (&lt; 1 hour) Cont: 1100°C</p>	<ul style="list-style-type: none"> <li>• Heating Zone Length: 440mm, single zone</li> <li>• Constant Temp. Zone: 120mm (±1°C @ 400 – 1200 °C)</li> </ul>	 <p>CE UL MET</p>
<p>OTF-1200X-S-50-DFSL</p>	<p>2" OD</p>	<p>15°C/s</p>	<p>Max: 1200°C (&lt; 1 hour) Cont: 1100°C</p>	<ul style="list-style-type: none"> <li>• Heating Zone Length: 8" (440mm) for each furnace</li> <li>• Constant Temp. Zone: 60mm (±1°C @ 400 – 1200 °C)</li> </ul>	 <p>CE UL MET</p>

<p>OTF-1200X-III-80-SL</p>	<p>3" ID</p>		<p>Max: 1200°C (&lt; 1 hour) Cont: 1100°C</p>	<ul style="list-style-type: none"> <li>• Heating Zone Length: 24" (610mm) in total</li> <li>• Z<sub>1</sub> – Z<sub>2</sub> – Z<sub>3</sub>: 152.4mm (6") + 304.8mm (12") + 152.4mm (6")</li> <li>• Constant Temp. Zone: 300mm (±1°C @ 400 – 1200 °C)</li> </ul>	
<p>OTF-1200X-4-C4-SL</p>	<p>100mm OD exterior tube 80mm OD interior tube</p>	<p>141°C/min</p>	<p>Max: 1100°C Cont: 1000°C</p>	<p><u>Single heating zone</u></p> <ul style="list-style-type: none"> <li>• Heating zone length: 440mm</li> <li>• Constant temp. zone: 120mm (±1°C @ 400 – 1100 °C)</li> </ul> <p><u>Dual heating zone</u></p> <ul style="list-style-type: none"> <li>• Heating zone length: 200mm for each, 400mm in total</li> <li>• Constant temp. zone: 250mm</li> </ul>	
<p>OTF-1320X-4-SL</p>	<p>4" OD x 3.6" ID</p>	<p>10°C/s</p>	<p>Max: 1320°C (&lt; 1 hour) Max: 1300°C (&lt; 2 hour) Cont: 1200°C</p>	<ul style="list-style-type: none"> <li>• Heating zone length: 300mm, three zones, 900mm in total</li> <li>• Constant temp. zone: 600mm (±2°C)</li> </ul>	 <p>Labels in image:      Anti-corrosive vacuum gauge      Refused quartz tube 1320°C      Vacuum sealed flange      PC remote control for Temperature &amp; Sliding      Dual Slide rail      3 Zone heating furnace upto 1320°C      RS485 Port for PC control      Cooling Fan      Sliding speed controller</p>
<p>OTF-1500X-II-50SL</p>	<p>2" OD x 1.75" ID</p>	<p>60°C/min</p>	<p>Max: 1500°C (&lt; 30 mins) Cont: 1400°C</p>	<ul style="list-style-type: none"> <li>• Heating zone length: 200mm, dual zone, 400mm in total</li> </ul>	

<p>OTF-1200X-RTP-II</p>	<p>11" OD x 10.8" ID</p>	<p>8°C/s</p>	<p>Max: 650°C for each heater</p>	<ul style="list-style-type: none"> <li>• <a href="https://www.mtixtl.com/TwoZonesFurnaceforPVDCSSProcessing-OTF-1200X-RTP-II.aspx">https://www.mtixtl.com/TwoZonesFurnaceforPVDCSSProcessing-OTF-1200X-RTP-II.aspx</a></li> </ul>	
<p>GSL-1100X-8.5-SR-III</p>	<p>8.5" OD x 8.2" ID</p>	<p>10°C/min</p>	<p>Max: 1100°C Cont: 1000°C</p>	<ul style="list-style-type: none"> <li>• Heating zone length: 12" (300mm), three zones, 36" (900mm) in total</li> <li>• Constant temp. zone: 500mm</li> </ul>	<p>CE</p> 
<p>OTF-1200X-RTP-II-5-R</p>	<p>11" OD x 10.8" ID</p>	<p>8°C/s</p>	<p>Max: 800°C for each heater</p>	<ul style="list-style-type: none"> <li>• <a href="https://www.mtixtl.com/OTF-1200X-II-5-R.aspx">https://www.mtixtl.com/OTF-1200X-II-5-R.aspx</a></li> </ul>	
<p>GSL-1600X-FS3KW</p>	<p>80mm OD</p>		<p>Max: 1700°C Cont: 1600°C</p>	<ul style="list-style-type: none"> <li>• Heating zone length: 18" (457mm)</li> <li>• Constant temp. zone: 6" (150mm) (±1°C)</li> </ul>	