LABORATORY/PILOT MICROWAVE SYSTEM

The Thermex Laboratory/Pilot Microwave System is designed to bridge the gap between small bench top ovens and production systems. The system is a complete self-contained microwave source used for industrial, laboratory and pilot heating processes.

Thermex Engineers have designed the MW System to allow the researcher to test larger samples under controlled conditions and develop a database of information. The ability to establish consistent and reproducible test data provides the confidence that is important for establishing the groundwork for a successful manufacturing process.

The unique features of this system coupled with the PLC controls yield the ultimate in material testing, data acquisition, trending and process development.

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LABORATORY/PILOT MICROWAVE SYSTEM

OPTIONAL ACCESSORIES:

An optional load cell is available that when incorporated into the turntable and programmed, the microwave power will turn off at a predetermined weight.

Also available is an IR Pyrometer to monitor sample temperature and/or shut off the microwave power at a predetermined temperature.

Additional options include:

- PLC and Control Upgrades
- Applicator Light
- Fire Suppression System
- Power Density Control
- Exhaust Fan
- Stainless Steel

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>TM6BP</th>
<th>TM15BP</th>
<th>TM75BP</th>
<th>TM100BP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output (Adjustable)</td>
<td>6kW</td>
<td>15kW</td>
<td>75kW</td>
<td>100kW</td>
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<tr>
<td>Phases</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<tr>
<td>Frequency</td>
<td>2450MHz</td>
<td>2450MHz</td>
<td>915MHz</td>
<td>915MHz</td>
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<tr>
<td>Generator Dimensions</td>
<td>64” High 18” Deep 36” Wide</td>
<td>76” High 24” Deep 62” Wide</td>
<td>78” High 48” Deep 72” Wide</td>
<td>78” High 48” Deep 72” Wide</td>
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<tr>
<td>Applicator Dimensions</td>
<td>38” High 48” Deep 48” Wide</td>
<td>38” High 48” Deep 48” Wide</td>
<td>60” High 72” Deep 72” Wide</td>
<td>60” High 72” Deep 72” Wide</td>
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<tr>
<td>Optional Turntable</td>
<td>36”</td>
<td>36”</td>
<td>42”</td>
<td>42”</td>
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</tbody>
</table>

APPLICATIONS INCLUDE:

- Ceramics
- Catalysts
- Vulcanizing
- Composites
- Bulk fibrous components
- Sand cores
- General drying & heating of electrically non-conductive materials
- Research & development

Let Us Build One For You

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