CONVEYORIZED MODULAR INDUSTRIAL MICROWAVE POWER SYSTEM

Thermex Thermatron’s Conveyorized Modular Industrial Microwave Systems are built in a large variety of shapes and sizes according to the requirements of the continuous heating process. Each module can apply up to 100kW of power to the product being heated and operates at 915 MHz. Based on the power requirements, two or more modules can be installed on the same conveyor. To assure uniform heat distribution in a large variety of load configurations, multi-mode cavity is provided with a Waveguide Splitter with dual microwave feed points and Mode Stirrers.

The product being heated is carried through the oven by a unique conveyor belt. The belt material and configuration are selected based on the nature of the product being heated. Each end of the conveyor is provided with a special vestibule to suppress any microwave energy leakage. Air intake and exhaust ports are provided for circulating air to be used in cases where vapors or fumes are developed during the heating process.

Model Pictured: 100kW Module

Common Uses: Drying, or curing

Let Us Build One For You

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STANDARD ACCESSORIES:

On screen calibration of all analog signals include:
- reflected power
- filament current
- anode current
- magnet current
- filament current
- anode voltage
- magnet current
- output power

A Control Box is provided with each Microwave Continuous Oven with the following functions:
- Applicator READY Light
- Generator READY Light
- START and STOP Heat Button
- START and STOP Conveyor
- Output Power Control
- Conveyor Speed Control
- Microwave Output Power Meter

SPECIFICATIONS:

APPLICATIONS INCLUDE:
- Ceramics
- Catalysts
- Vulcanizing
- Composites
- Bulk Fibrous Components
- Sand cores
- Drying and heating of electrically non-conductive materials
- Research & development

<table>
<thead>
<tr>
<th>Model Number</th>
<th>TMC75</th>
<th>TMC100</th>
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<tbody>
<tr>
<td>Power Output (Adjustable)</td>
<td>75kW</td>
<td>100kW</td>
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<tr>
<td>Cavity Material</td>
<td>Aluminum or Stainless Steel</td>
<td>Aluminum or Stainless Steel</td>
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<tr>
<td>Oven Door Opening</td>
<td>39” Wide x 27” High per Module</td>
<td>39” Wide x 27” High per Module</td>
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<tr>
<td>Belt Width</td>
<td>Up to 60”</td>
<td>Up to 60”</td>
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<tr>
<td>Applicator Dimensions</td>
<td>52” High 72” Long 66” Wide</td>
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