Smooth, efficient and continuous cooking are essential ingredients for meeting today's production demands. Ferrite Microwave Technologies’ (FMT) reliable MIP 11 Microwave Oven Continuous Cooking System is ideal for preheating, postheating or complete cooking of portion-controlled bacon, other meats, poultry, fish and other food products. Precise computer control gives you the flexibility to process up to 1,800 pounds (817 kg) of product per hour, depending on the product and process variables. You control the speed and power at which your product is prepared for maximum flexibility.

Uniform Microwave Cooking
The MIP 11 provides efficient, uniform microwave cooking to provide consistent, proven results. Products up to 3 inches thick can be uniformly heated by FMT’s microwave feed technology which efficiently and evenly applies microwave energy.

The MIP 11 can meet the requirements of a broad range of product applications, including bacon cooking.

Warranted For Dependability
The MIP 11 Cooking System is covered by a one-year warranty. Both in- and out-of-warranty service support is provided by FMT Certified field technicians.

Reliable, Dependable Microwave Systems
FMT offers a variety of options for the Continuous Cooking Oven, including:
- A complete 2-inch (50 mm) thick insulated cavity for heat containment and energy efficiency
- FMT Belt Cleaner (FBC) system employing high pressure water to remove product residue and grease from the oven belt
- FMT Air Dry high pressure blow-off system to remove excess grease and water before packaging, or water from conveyor belt after washing

A Complete Modular System
The basic system consists of multiple 4-foot wide by 12-foot long (1.3 meters by 3.7 meters) cooking cavities, a 3-footwide (0.9 meter) continuous conveyor system, and one or two GET 2024 microwave generators per cavity.

Each generator provides up to 75 kilowatts of power at 915 MHz. In addition, the system includes all controls and input and output conveyors. On time delivery, detailed operator training and complete assistance for a fully operational installation are hallmarks of FMT service.

The basic system product opening is 3 inches (76 mm) high by 36 inches (864 mm) wide. Overall length of a basic single cavity system is 24.5 feet (7.5 meters). System layouts can be designed to accommodate specific customer requirements.
MIP11
CONTINUOUS COOKING

Product Transport
A standard 3-foot-wide (0.9 meter) positive drive, articulated belt of microwave transparent material transports the food product through the oven. Belts in other widths also are available.

Microwave Isolation
Each GET 2024 transmitter is electrically isolated from the process oven by an integral microwave circulator that helps provide long magnetron tube life.

Sanitation
The MIP 11 ovens and microwave transmitters are manufactured from stainless steel, are 4-rated and wash-down safe.

Safety
Interlocking access doors on the generators meet all applicable government (OSHA and Health and Human Services) safety standards, and provide a safe operating environment.

Export
FMT provides other configurations for world-wide use. Specifications available on request.

Generator Water Cooling Requirements
Each FMT microwave generator is water cooled through a heat exchanger using city or local process water supply. The system includes a one-inch inflow and outflow pipe.

Modular Units to Fit Your Needs

<table>
<thead>
<tr>
<th>Model</th>
<th>Microwave Power**</th>
<th>Overall Length*/ M</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIP 11 - 1</td>
<td>75 or 150 kW</td>
<td>24.5 ft.</td>
</tr>
<tr>
<td>MIP 11 - 2</td>
<td>225 or 300 kW</td>
<td>37.5 ft.</td>
</tr>
<tr>
<td>MIP 11 - 3</td>
<td>375 or 450 kW</td>
<td>50.5 ft.</td>
</tr>
<tr>
<td>MIP 11 - 4</td>
<td>525 or 600 kW</td>
<td>63.5 ft.</td>
</tr>
</tbody>
</table>

*Note: Length includes microwave suppression assemblies, but does not include extension conveyors on either end.

**Note: Expansion beyond 600 kW is available.

Specification Details
Electrical Specifications (per Transmitter):
United States:

<table>
<thead>
<tr>
<th>INPUT LOAD</th>
<th>MICROWAVE OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>480 volts</td>
<td>75 kW CW</td>
</tr>
<tr>
<td>3 phase</td>
<td>9.15 MHz</td>
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<tr>
<td>50/60 cycles</td>
<td>0.9 power factor</td>
</tr>
<tr>
<td>135 amps</td>
<td></td>
</tr>
<tr>
<td>103 KVA</td>
<td></td>
</tr>
</tbody>
</table>

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