



# Bacon Systems

***Precooking bacon in a microwave system is the most efficient and cost effective means of selling it by the slice. Machlett can configure a system to your needs.***

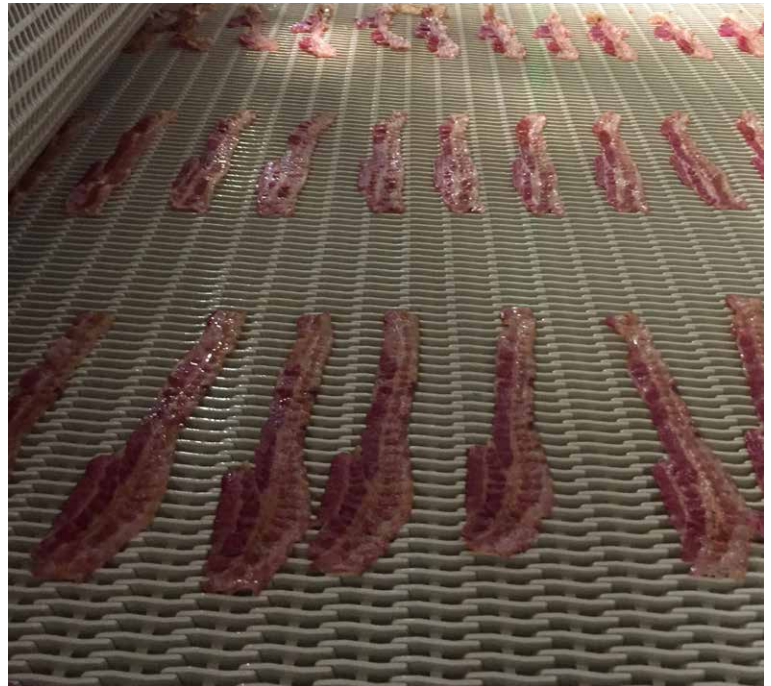
Major high volume users of bacon, like Burger King, McDonald's and Wendy's use precooked bacon as an efficient alternative to pan-frying it on site. A typical setup consists of a Grote High Speed Slicer (HS) with Accuband blades or a Thume IBS4600 Precooked Bacon Slicer and the microwave system itself. The pork bellies are sliced and the strips put on belts. Most systems employ microwave transmitters that deliver 600-800 kW per line, which enables the factory to process hundreds of thousands of bacon strips per shift.

There are many upgrades available for existing bacon lines. Microwave feed upgrades are one of the most valuable, as they can reduce downtime and increase productivity. Power upgrades are offered in six and 12-pulse configurations and can increase existing Raytheon or Amana transmitter power up to 70 kW. Many users are upgrading their Ferrite diode board assemblies with the Machlett diode assembly, which improves cooling, extends diode service life, and reduces operating costs. The Machlett designed diodes are the industry preferred choice for cost and performance. Machlett offers a variety of system and component upgrades, including everything from under-current boards to complete oven door assemblies.

Industrial microwave oven sizes include popular 36, 48, 52 and 80-inch wide units with the length dependent on the power level. The microwave transmitters, which are powered by a powerful magnetron tube, supply the energy to the cavities through waveguides. The waveguide utilizes E-sweeps and H-miters to transmit the energy.

Machlett has extensive experience in bacon processing and can configure microwave systems to provide the desired throughput for virtually any sized operation.

In addition to providing significant cost savings, everything is backed by Machlett's service. Providing the support to keep systems online is one of Machlett's highest priorities!



**Fast, efficient and cost-effective bacon systems are the cornerstone of Machlett. They can be configured to meet any desired production schedule.**



**Machlett specializes in upgrading existing systems. One of the more popular options is to replace old-style feeds (left) with the innovative Machwave™ polarized rotary feed (right) that improves efficiency through dispersing energy in a circular format.**



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Machlett can do anything from building a complete tempering system to providing the individual components to keep any system running at peak efficiency.

