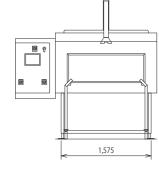
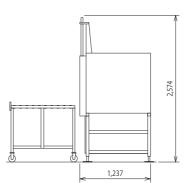


Specifications

		Transmitter	Microwave Output [kW]	Maximum Thawing Capacity [t/h]	Thawing Capacity (Thawing Time to Thaw 100 kg of Frozen Food (-17.8°C))					
					85% Lean Beef	50% Lean Pork	Chicken	Cod	Apple	
					Finishing Temperature: -3.3°C	Finishing Temperature: -5.6°C	Finishing Temperature: -2.8°C	Finishing Temperature: -5.6°C	Finishing Temperature: -6.1°C	
	MIP12	4 pcs (75 kW)	300	15.4	45 sec	23 sec	56 sec	34 sec	34 sec	
		3 pcs (75 kW)	225	11.5	59 sec	30 sec	1 min 14 sec	45 sec	45 sec	
		2 pcs (75 kW)	150	7.7	1 min 29 sec	45 sec	1 min 51 sec	1 min 07 sec	1 min 07 sec	
		1 pcs (75 kW)	75	3.8	2 min 57 sec	1 min 29 sec	3 min 41 sec	2 min 11 sec	2 min 11 sec	



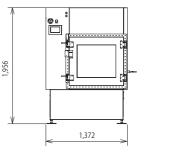


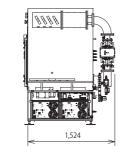


Specifications

				Thawing Capacity (Thawing Time to Thaw 1 Batch of Frozen Food (-17.8°C))					
	Transmitter	Microwave Output [kW]	Maximum Thawing Capacity [kg/batch]	85% Lean Beef Finishing Temperature: -3.3°C	50% Lean Pork Finishing Temperature: -5.6°C	Chicken Finishing Temperature: -2.8°C	Cod Finishing Temperature: -5.6°C	Apple Finishing Temperature: -6.1°C	
MIP10	1 pcs (75 kW)	75	136	4 min 00 sec	2 min 00 sec	5 min 00 sec	3 min 00 sec	3 min 00 sec	







Specifications

	Transmitter	Microwave Output [kW]	Maximum Thawing Capacity	Thawing Capacity (Thawing Time to Thaw 1 Batch of Frozen Food (-17.8°C))						
				85% Lean Beef	50% Lean Pork	Chicken	Cod	Apple		
		[]	[kg/Batch]	Finishing Temperature: -3.3°C	Finishing Temperature: -5.6°C	Finishing Temperature: -2.8°C	Finishing Temperature: -5.6°C	Finishing Temperature: -6.1°C		
MIP3	1 pcs (30 kW)	30	20	1 min 10 sec	36 sec	1 min 27 sec	53 sec	53 sec		

%For the dimensions and specifications of MIP8 and MIP4, please contact us.

These microwave thawing machines are products of Microwave Techniques LLC.

https://www.meiji-kikai.co.jp/en/ E-mail:sales@meiji-kikai.co.jp

MEIJI MACHINE CO.,LTD.

Headquarters 9F, PMO Kanda Tsukasamachi Bldg., 2-8-1 Kanda Tsukasamachi, Chiyoda-ku, Tokyo 101-0048 TEL. +81-3-5295-3511 (Main) FAX. 03-5295-3580









MICROWAVE TEMPERING MACHINE MIP Series

Type MIP12

Thawing

Microwave Tempering Machine MIP Series

The MIP Series can thaw various kinds of frozen foods, such as meat, fish, and fruits, with microwaves at a frequency suitable for each kind of food.

The maximum thawing capacity per hour is 15.4 tons. The MIP Series of microwave thawing machines (tempering machines) is manufactured by Microwave Techniques LLC, USA.

Since the microwave thawing machines temper frozen food with microwaves at a frequency of 923 MHz, the microwaves can penetrate the food deeply.

Transmitter The transmitter generates microwaves and can be set apart from the main unit by connecting it to the main unit through the waveguide. The main unit and transmitter can be laid out in various ways.

Since these machines thaw frozen food in a short time

whenever needed, products can be manufactured as

Machines are operated 24 hours, seven days a week.

Thawing machines are designed to withstand severe

occur, the MIP Series can be repaired properly with

Compliance with Safety Standards

transmitters, and doors of the main unit satisfy the

safety standards prescribed by the Occupational Safety

The main units of these thawing machines are covered by a one-year

warranty. During the warranty period, maintenance and support

(replacement and repairs of defective parts) will be provided by a

For the magnetron, if a defect in the magnetron occurs within 500

of charge. If a defect in the magnetron occurs within one year after

installation and the operating time is less than 2500 hours, the warranty will change depending on the operating time.

hours of operation after installing the machine, it will be replaced free

Both sides of the tunnel section of the MIP-12,

and Health Administration (OSHA).

Reliable Product Warranty

conditions in a food processing environment. If problems

a programmable logic controller (PLC) using a modem line.

Usable at Any Time

Reliable Design

planned.

Maintenance of Quality and Improvement of Yield

When frozen food passes through the temperature range of -1 to -5°C for a short time during freezing, where ice grows to its maximum, microwave thawing causes less damage to the tissue and suppresses the outflow of proteins due to dripping.

Hvaienic

The main unit and transmitter are made of stainless steel plates. The inside of the chamber and conveyer belt can be washed with water after use. Additionally, frozen food can be thawed evenly at a specified temperature, the propagation of bacteria can be retarded, and successive processes can be performed smoothly.

Improvement of Work Efficiency

Since it is unnecessary to transfer frozen food from rack to rack, the food can be handled with minimum labor. Frozen food can be thawed while still in the cardboard box.

Long Life and Cost Effectiveness

Since the magnetron is electrically insulated with a circulator, these machines have a long service life.

About Ferrite Microwave Technologies



Manufacturers Specializing in Microwave Machines

technician free of charge.

- 1948: Raytheon, the predecessor of Ferrite MicrowaveTechnologies, developed the world's first microwave. Initially, the microwave was developed for military purposes. Afterward, Raytheon developed the world's first tunnel-type microwave thawing machine (25 kW) in 1972.
- 1977: A chamber-type microwave thawing machine (25 kW) was developed.In the early 1980s, various kinds of microwave-applied equipment (such as a cooker and cooking device) were developed. Technically, the world entered the 50 kW era.
- 1992: Raytheon officially sold the microwave thawing machine business division to Amana. In the next year, some members of the engineering department of Raytheon founded Ferrite Microwave Technologies.
- 2003: Ferrite acquired the microwave business of Amana. 2020: Ferrite merged with MEGA Industries (MEGA), the world's leading brand of high-power waveguides, and established Microwave Techniques LLC.



In 2020. Ferrite merged with MEGA, and established Microwave Techniques LLC, which is one of the world's leading high-power microwave technology and production facilities. including brands such as FMT (Ferrite), MEGA, IMS, MCi, and FXR. Among its products, Ferrite has sold more than 800 microwave-applied devices worldwide and provides solutions to a wide range of industries

MIP3

Ultra-compact Chamber Type

Thawing Capacity: 0.5-2 tons

The MIP3 is the smallest chamber-type thawing machine that is suitable for thawing a small amount of frozen food. The thawing capacity at a time is approximately 20 kg. This new model thaws frozen food in a very short time (reference time: a little more than 1 minute). The built-in transmitter (30kW) makes it possible to install in a small space.



This model is a tunnel-type continuous thawing machine with a thawing chamber whose gates are closed when microwaves are irradiated. The gates of the chamber are closed when microwaves are irradiated while the high speed of the tunnel type is maintained.

Up to four transmitters (75 kW) that generate microwaves can be connected to this model in accordance with the required thawing capacity in the same way as the MIP-12.



Tunnel Type

MIP10

Chamber Type

Thawing Capacity: 15.4 tons **Continuous Thawing Machine** with Conveyer Belt

MIP12 is a thawing machine designed for a user who wants to thaw a large amount of frozen food continuously every day. Up to four transmitters (output: 75 kW)

that generate microwaves can be connected to this model in accordance with a required thawing capacity.



This model can thaw 136 kg of frozen food within a few minutes at a time. This is a chamber-type thawing machine with a thawing capacity of approximately 1 ton per hour (reference value).



