

Microwave defrost equipment

In order to maintain the profit of each customer, Leader Microwave Equipment Machinery has designed various types of microwave thawing equipment.

			
30KW Microwave defrost machine	60KW Microwave defrost machine	80KW Microwave defrost machine	Customized microwave defrost machine

Here are more details about the industrial microwave defrost machines we sell.

Model	DL-6	DL-10	DL-16	customization
capacity	6T	8-10T	15-20T	customization
Total power	30KW	60KW	80KW	customization
floor space	30*10*8	30*10*8	40*10*8	customization
Operating pressure	ordinary pressure			
service life	5-8years			
operating methods	Completely continuous			
heating method	electric energy			

Excellent Leader Microwave Equipment microwave thawing technique.

1. Advanced thawing technology

The microwave thawing equipment adopts the latest international heating structure, which is different from the traditional mode, such as direct combustion heating (fast heating, but short service life of the reactor) or wind heating structure (longer service life of the furnace, but slower heating speed). Leader Microwave Equipment microwave defrost equipment combines these advantages to make the machine has a longer service life.

At the same time, it can greatly improve work efficiency and reduce production costs. That's why Leader Microwave Equipment's Microwave thaw Equipment has a low cost and reasonable price.

2. PLC Control System

The Waste industrial microwave thawing machine designed by Leader Microwave Equipment group has introduced advanced PLC control system and could achieve complete intelligent operation. In this way, it can make our industrial microwave thawing machine more standardized and international.

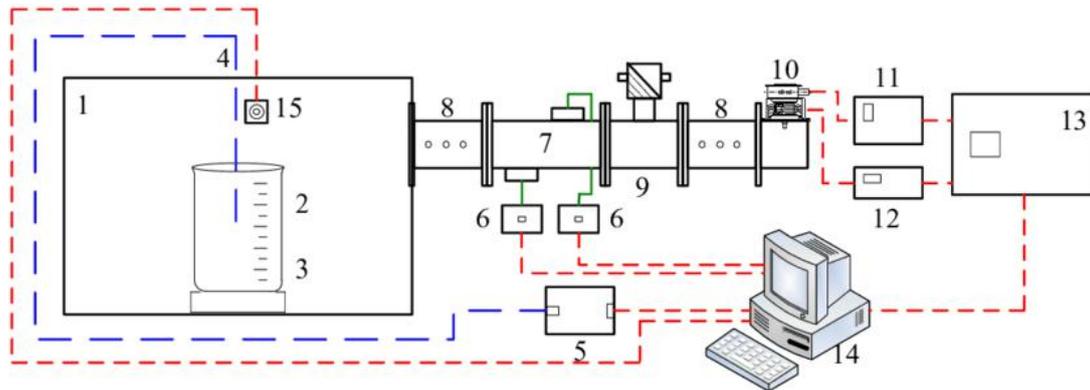
3. going green and environmental protection

This machine belongs to environmental protection project. The whole working process runs under the condition of no peculiar smell and no smoke, with good safety and environmental friendliness.

4. professional team

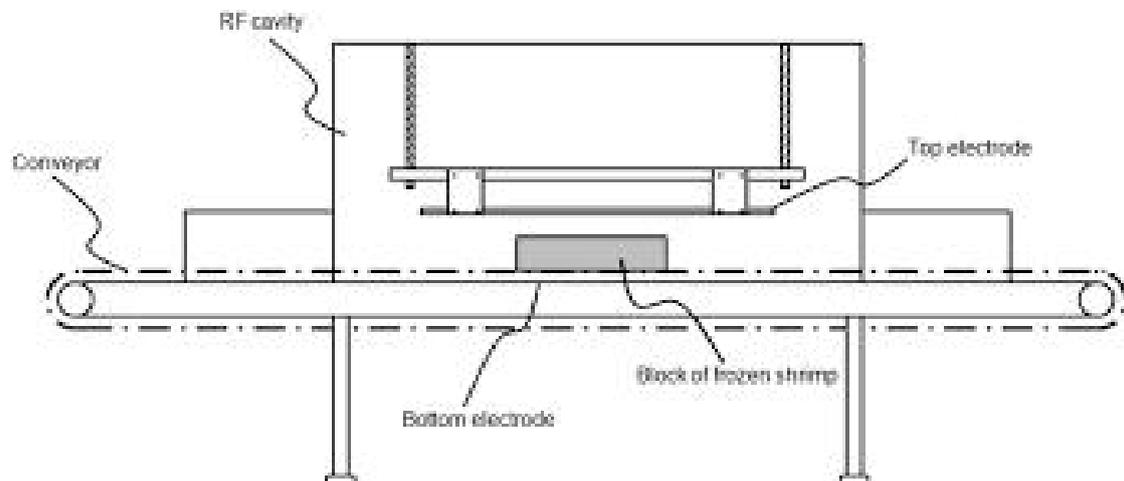
As one of the world's leading microwave defrost equipment manufacturers, Leader Microwave Equipment invented the latest technology and high quality defrosting equipment. After continuous accumulation and improvement, our new generation of microwave thawing machine has been released.

In addition, with excellent production quality, good reputation and nearly perfect sales service, Leader Microwave Equipment stands out among the numerous Microwave defrost Equipment suppliers and occupies the leading position in the international market.



Thawing is the process of taking a frozen product from frozen state to an unfrozen state (at temperature usually above 0° C) where there is no residual ice, i.e. “defrosting”. The frozen foods are thawed before cooking, to ensure that during cooking the food is heated sufficiently to kill harmful bacteria.

If large frozen foods are not thawed prior to cooking, it will remain uncooked in the centre whilst being burnt or overcooked on the surface.



The major problem of conventional thawing are large space requirements and long time which may result in chemical and bacteriological deterioration. When frozen foods are thawed, the surface area of the food is the first to rise in temperature and bacterial multiplication can recommence which were restricted in frozen foods. The use of Microwave energy can overcome this problem, as heat is generated with the food from the center to the surface, hence making microwave thawing a faster process than other methods.

Heating uniformity index (λN) values calculated from the internal temperature profiles.

Tempering method			λ N
Microwave	500 W		0.1884 \pm 0.0080 ^a
	1 kW		0.2890 \pm 0.0082 ^b
RF	150 mm	Without rotation	0.2313 \pm 0.0004 ^c
		With rotation	0.1803 \pm 0.0181 ^a
	160 mm	Without rotation	0.1861 \pm 0.0039 ^a
		With rotation	0.2127 \pm 0.0141 ^{ac}

No matter what kind of machine you're going to run, including microwave defrost devices, security should come first. Leader Microwave Equipment can help you conduct operation training of your Equipment.

In addition to selling microwave defrost equipment, microwave drying equipment and other high quality microwave defrost equipment, we also provide product maintenance and update services. If you have any questions about the microwave thawing equipment, please feel free to contact us!