

## Microwave thawing technology-let you eat healthy and assured meat

As we all know, Chinese people eat most is pork, and the second is beef. In fact, eat more beef has many benefits for our health. Beef also have a good name “the best kid in the meat” because of its high protein content, low in fat, delicious in taste.



However, many imported or exported meat products are usually frozen products, to maintain a good taste, professional thawing methods must be selected in order to maximize the reduction of the best quality and taste of meat. In this paper, a microwave thawing equipment, which is suitable for various frozen meat products - [Leader microwave equipment company](#) Microwave imported beef thawing equipment will be introduced in detail.

### What is the beef market like in China?

The total amount of beef imports in the country in 2003 was only \$15 million, with beef imports from the United States accounting for \$10 million, a very small amount. With the improvement of the overall level of modern people's lives, by 2015, this number has now reached 400 billion yuan. Many people who have visited American supermarkets know that less than \$2 per pound of beef is common, and the conversion of RMB is about 10 yuan per pound.

And in China's sales market, although the price of beef has declined in the past one or two years, it is still around 30 yuan per kilogram at this stage., so the import of American beef, meat food production and processing enterprises will obtain immeasurable profits.

**The mechanism of Microwave imported meat and beef defrost equipment:**

Microwave imported meat thawing machine using polar molecule vibration producing elastic collision with the surrounding molecules and frictional heating, the heating way from inside the product materials. The advantages of using this method to thaw food is unmatched by other method, such as lower production cost, high efficiency, the product without bacteria grow and small footprint.

**The main features of Microwave imported meat and beef defrost equipment :**

1. Faster thawing and higher efficiency

The imported meat microwave thawing machine does not need conduct process, because the microwave can be directly heated deep inside the material. It only takes 5 minutes for a piece of meat weighing 25 kg to rise from -15 to -4, so the thawing time is changed from "hour" to "minute".

2.Reduced investment, green environmental protection without pollution.

Reducing a lot of storage shelves and floor space due to natural thawing needed,and it can also be thawed in the packaging bag, reducing the need for a healthy environment, and prevent the water waste.

As a beef jerky factory has 8 Wells to keep twenty-four hours pumping from underground continuously for use in thawing workshop,which caused a great waste of water resources. The fat-containing sewage is formed after thawing, which increase the burden on sewage treatment, and cause damage to the oil substances.

3. To ensure nutrition and no corruption of materials,.

Because the beef microwave equipment has freezing process before thawing, which could prevent bacteria flourishing and material thawed liquid leakage,thus reducing the rate of meat loss. Its ability to penetrate more professional, more suitable for production and processing of large pieces of food material, this frequency is more suitable for the thawing process.

## **Summary:**

Beef microwave thawing machinery and equipment has been particularly widespread in the use of foreign food industry, it has also been gradually used in the fast pace of development of Chinese food industry. With the rapid development of China's market economy, people are now increasingly enhance the overall living standards, food quality regulations, as safeguard of food security, becomes a hot spot a wide range of people concerned.

At the same time the natural environment and natural resources not tolerate extensive production and processing methods, for which the traditional way of thawing has far unable to integrate into the development standards of modern food processing large enterprises.

In order to meet the demand for large-scale food processing enterprises in this country, according to the ongoing discussion of scientific research, we have developed one-up microwave outlet meat thawing equipment in China, microwave operating frequency is 915MHZ, power output of 20kw-200kw or more, fully meet the product quality and production requirements of different manufacturers.

Comparison with foreign microwave equipment, our machine is with low investment and easy maintenance advantages; comparison with the traditional thawing way, has the advantages of low investment, high efficiency, low operating costs, high product quality, control and operate easily. Microwave beef thawing machine is not only preferable to food processing enterprises, but also the development direction of China's food thawing technology.