

# Microwave Assisted Thermal Sterilization Line

Food sterilization is an important point in the entire production process, and it is also a difficult point. If food cannot be effectively sterilized, it will greatly reduce the shelf life and seriously affect the customer experience. At the same time, with the rise of health topics, sterilization technology Become a necessary link in food processing.

Since the emergence of the concept of sterilization in the late 19th century, the sterilization technology has changed a lot until today. The previous sterilization technology used more salt or high temperature sterilization. The most common equipment is the sterilization pot. It is essentially a pressure cooker. This method of sterilization not only takes a lot of time, but also causes the food to lose its original flavor and texture.



### microwave assisted thermal sterilization line

In modern industrial production, the pursuit of sterilization quality is also the pursuit of sterilization efficiency. The original sterilization equipment is being gradually eliminated. Technology is the primary productive force. The development of technology has also enabled sterilization technology to achieve a qualitative leap. Microwave sterilization has already become an irreplaceable sterilization method relying on its unique advantage.

The microwave assisted thermal sterilization line has become the darling of the food processing industry and has been widely welcomed by major manufacturers. So what exactly is microwave assisted thermal sterilization?

**What is microwave assisted thermal sterilization line?**

microwave assisted thermal sterilization line adopts microwave-assisted heat sterilization technology, heating food sealed in water by microwave, helps maintain the original flavor and most of the nutrients in the food, and eliminates bacteria in the food, which can extend the shelf life of up to one year.

Microwave assisted thermal sterilization has irreplaceable advantages. It is the best choice for the modern food processing industry to improve production efficiency and increase economic benefits. The company believes that the most significant advantages of the microwave assisted thermal sterilization line are as follows:

### **What are the advantages of microwave assisted thermal sterilization line?**

#### **1. Short Time**

Efficiency is the key to industrial production. Efficiency is life, and efficiency is money. The improvement of efficiency means the improvement of the production strength of enterprises. Microwave sterilization can greatly shorten the sterilization time and make food both inside and outside sterilized, which is 1/4 to 1/10 of the time required for traditional sterilization methods.

#### **2. Improve the appeal of food appearance**

For traditional sterilization methods, after the sterilization of food, the color and freshness of the food will be a great change, so that customers have no desire to buy. However, microwave sterilization can be in the maximum degree to retain the color of food, especially for some particularly delicate food, the appearance of the appeal to be stronger.

#### **3. Retain nutrition**

The nutrient content of food is an important factor in the purchase of customers. Using microwave sterilization

technology can retain more nutrients in the food, which is the best choice for customers.



microwave assisted thermal sterilization line

It is precisely because the production line is very satisfying in terms of efficiency and quality, it now enjoys a high reputation in the market. In order to meet the needs of more different manufacturers, our engineers have developed a variety of different models and specifications, which is convenient More manufacturers choose.

**Specifications of microwave assisted thermal sterilization line:**

Model	01	02	03
Capacity	6T	8T-10T	15-20T
TOTAL POWER	24KW/h	30KW/h	54KW/h

Energy	Electricity
Input power	Three-phase five-wire 380V±10% 50Hz±1%
Microwave output power	60kW (adjustable)
Microwave frequency	2450MHz±50Hz
Rated input apparent power	≤90kVA
Height of inlet and outlet	50mm
Conveyor belt width	900mm
Conveying speed	0.1~5m/min (adjustable)
METHOD OF MEASUREMENT	Batch, continuous
Cooling method	Water Cooling
Lifetime	5 - 8 years
Hygiene and safety standards	Comply with GB 10436-1989 hygiene standards for microwave radiation in workplaces, GB/5226.1-2002 Machinery Safety and Machinery Electrical Equipment Standard

A variety of different specifications allows more manufacturers to choose, if you do not know how to choose, please contact us, our professional engineers will answer your questions. The microwave assisted thermal sterilization line has a very high cost performance. In terms of price, although we cannot promise you that our price will be the lowest, we



can promise you that our price must be the best quality among the equipment at the same price. of!

Since the establishment of the company, we have invested a lot of money in the development of [microwave sterilization equipment](#). While engineers continue to conduct experiments, we have actively listened to the most true opinions from customers around the world, making our microwave assisted thermal sterilization line the most suitable for all Equipment used by major manufacturers.



Brazilian customers visit

At the same time, our microwave assisted thermal sterilization line has been exported to many countries and regions around the world, such as Pakistan, Indonesia, the United States, Singapore, Brazil and other countries. We are very happy to help our customers expand their production scale. We are also

very happy that customers are using it. After acquiring our equipment, we have won larger orders and become the leader in the local market. We are honored to receive such a happy feedback.



If you are interested in our microwave assisted thermal sterilization line, please feel free to contact us. Our customer service will answer your questions online 24 hours a day. If there are any problems with our equipment, we will solve them for you. If you want, We can also send our engineers to your area for guidance and use.

We know that customers are the foundation of our [LOYAL](#) company's long-term development. We are looking forward to a win-win result. Welcome to contact us!