

# Industrial Thawing Chicken Technology

## Detail Introduction :

### Introduction Of Thawing Chicken Machine

The thawing chicken machine is a specialized equipment that uses microwave technology to quickly and uniformly thaw frozen chicken while drying it simultaneously. The thawing chicken machine is common in the food processing industry to reduce thawing time and enhance efficiency during the thawing and drying process. The machine features a stainless steel chamber, a microwave generator, a conveyor system, and a control panel. The use of high-frequency electromagnetic waves heat the chicken to a predetermined temperature, resulting in rapid and even thawing. The drying process ensures excess moisture is removed, providing a final product that is dry and ready for storage or additional processing. The machine is user-friendly, with straightforward operation and maintenance, making it an excellent choice for producing high-quality chicken products.



## Parameter Of Thawing Chicken Machine:

Equipment Model	LY-100 Industrial Microwave Drying Machine For Chicken
Rated Input Apparent Power	Customization
Height Of Conveyor	600-1000mm

Inlet And Outlet Height	40-100mm
Width Of Conveyor Belt	750±100mm(Custom-Made)
Microwave Leakage Standard	ISO?5mw/Cm <sup>2</sup>
Operating Frequency	2450±50Hmz
Transmission Speed	0~10m/Min(Adjustable Frequency)

## Feature Of Thawing Chicken Machine:

- 1.Speed: The machine is designed to quickly thaw frozen chicken within a short period compared to traditional thawing methods.
2. Uniformity: The microwave technology ensures even thawing and drying of chicken, providing a consistent final product.
3. Hygiene: The stainless steel chamber and conveyor system are designed for easy cleaning to maintain high hygiene standards.
4. Control panel: The machine comes with an intuitive control panel, making it easy to operate and manage the thawing and drying process.
5. Customization options: The machine's parameters and settings can be customized to suit various thawing and drying requirements, depending on the chicken's size and quantity.
6. Energy-efficient: The microwave technology used in the machine is energy-efficient, reducing operational costs and environmental impact.
7. Automated: The machine features an automated conveyor system that allows for hands-free operation, enhancing productivity and reducing labor costs.

Overall, the microwave thawing chicken machine is an essential piece of equipment for chicken processing industries, providing a quick, uniform, and hygienic thawing and drying solution.

## Details Displays Of Thawing Chicken Machine:



## Applications Of Thawing Chicken Machine:

1. Poultry processing plants: The microwave thawing chicken machine is commonly used in poultry processing plants to thaw frozen chicken for further processing. The machine's speed, uniformity, and efficiency make it an ideal choice for chicken processing plants.
2. Fast-food restaurants: Quick service restaurants that rely on chicken as a primary ingredient often use a microwave thawing chicken machine in their kitchen. The machine's rapid thawing capabilities help to minimize cooking times, making it a valuable tool in fast-serving environments.
3. Hotels and catering businesses: Large hotels, catering companies, and event planners frequently use a microwave thawing chicken machine to prepare large quantities of chicken for banquets, buffets, and other events in a short time.
4. Supermarkets: Supermarkets and grocery stores use the microwave thawing chicken machine to quickly thaw frozen chicken while maintaining the quality and freshness of the chicken.
5. Home kitchens: Miniature versions of the microwave thawing chicken machine are available for home use in kitchens, providing an efficient and convenient way to thaw frozen chicken quickly.

Overall, the microwave thawing chicken machine is used in various settings where quick and efficient thawing of frozen chicken is crucial for efficient food production.

## Advantages Of Loyal Microwave Drying And Sterilization Equipment:

1. Energy Efficient: The equipment uses less energy compared to traditional drying and sterilization methods, reducing energy costs and contributing to a more sustainable food manufacturing process.
2. Improved Product Quality: Microwave drying preserves the natural flavors, colors, and nutritional value of the food, resulting in a higher quality end product.
3. Uniform Drying and Sterilization: Microwave technology allows for even and consistent drying and sterilization, ensuring that all parts of the food are treated equally.
4. Reduced Microbial Load: Microwave sterilization can effectively eliminate harmful bacteria and pathogens from the surface of the food, ensuring that it is safe for consumption.
5. Increased Shelf Life: The reduction in moisture and microbial load can result in an extended shelf life for food products, reducing waste and enhancing food safety.
6. Versatility: Microwave drying and sterilization equipment can be used for a wide range of food products, including fruits, vegetables, meats, and grains, making it a more versatile tool in the food processing industry.

Overall, the benefits of microwave drying and sterilization equipment make it a valuable and cost-effective investment for food manufacturing companies looking to improve efficiency, quality, and safety.



