

# Turmeric Powder Drying Sterilization Machine

## Specifications :

|                    |                    |
|--------------------|--------------------|
| Price              | 10000-100000       |
| Brand Name         | Loyal              |
| Place of Origin    | Shandong,China     |
| Min.Order Quantity | 1 set              |
| Payment Terms      | T/T,LC             |
| Supply Ability     | 50 sets per month  |
| Delivery Detail    | 30-40 working days |
| Packaging Details  | film,box           |
| Condition:         | New                |

## Detail Introduction :

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The Turmeric Powder Drying Sterilization Machine marks a significant advancement in the processing of turmeric, offering a seamless solution for both drying and sterilization. Key components include Industrial microwave dry and sterilize turmeric, Turmeric Powder Dryer And Sterilizer, and Turmeric Drying Sterilization Machine. In this article, we will explore the working principles, advantages, and frequently asked questions (FAQs) regarding this innovative microwave technology.



### **Industrial Microwave Dry And Sterilize Turmeric:**

The Industrial microwave dry and sterilize turmeric process is a breakthrough in preserving the quality of turmeric. By utilizing industrial microwave sterilisation, this method selectively targets and heats the water molecules within the turmeric, leading to efficient drying and sterilization. This ensures the elimination of pathogens while maintaining the flavor, color, and nutritional profile of the turmeric.

The Turmeric Powder Dryer And Sterilizer play a crucial role in maintaining the integrity of turmeric powder. Through the application of microwave technology, this equipment ensures a controlled and uniform drying process. The machine is designed to optimize both drying efficiency and sterilization, preserving the turmeric's natural characteristics.

The Turmeric Drying Sterilization Machine combines the drying and sterilization processes into a seamless operation. By utilizing industrial microwave dry and sterilize turmeric, this machine guarantees not only the removal of moisture but also the elimination of harmful microorganisms. The result is high-quality turmeric powder with an extended shelf life.



## How To Choose Industrial Drying Sterilization Machine Of Different Models?

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| Model                            | Size L*W*H(Can be customized according to the customer's requirements) | Output power           | Dewaterability | Sterilization capacity |
|----------------------------------|--|------------------------|----------------|------------------------|
| LY-10KW                          | 5000mm*825mm*1750mm  | ?10KW                  | 10KG/Hour      | 100KG/Hour             |
| LY-20KW                          | 8000mm*825mm*1750mm  | ?20KW                  | 20KG/Hour      | 200KG/Hour             |
| LY-30KW                          | 8500mm*1160mm*1750mm   | ?30KW                  | 30KG/Hour      | 300KG/Hour             |
| LY-40KW                          | 10000mm*1160mm*1750mm  | ?40KW                  | 40KG/Hour      | 40KG/Hour              |
| LY-50KW                          | 12500mm*1160mm*1750mm  | ?50KW                  | 50KG/Hour      | 500KG/Hour             |
| LY-60KW                          | 13500mm*1450mm*1750mm  | ?60KW                  | 60KG/Hour      | 600KG/Hour             |
| LY-70KW                          | 13500mm*1500mm*1750mm  | ?70KW                  | 70KG/Hour      | 700KG/Hour             |
| LY-80KW                          | 13500mm*1650mm*1750mm  | ?80KW                  | 80KG/Hour      | 800KG/Hour             |
| LY-100KW                         | 16800mm*1650mm*1750mm  | ?100KW                 | 100KG/Hour     | 1000KG/Hour            |
| LY-150KW                         | 22400mm*1850mm*1750mm  | ?150KW                 | 150KG/Hour     | 1500KG/Hour            |
| LY-200KW                         | 27000mm*1850mm*1750mm  | ?250KW                 | 250KG/Hour     | 2500KG/Hour            |
| LY-300KW                         | 32000mm*1850mm*1750mm  | ?300KW                 | 300KG/Hour     | 3000KG/Hour            |
| Power Supply                     |  | 380V±10% 50Hz±1% Three |                |                        |
| Microwave Output Frequency       |  | 2450±50Mh              |                |                        |
| Microwave Input Apparent Power   |  | ?168Kva                |                |                        |
| Microwave Output Power           |  | ?120Kw                 |                |                        |
| Microwave Power Adjustment Range |  | 0-30Kw(Adjusta         |                |                        |
| Ambient Temperature              |  | -5-40°C                |                |                        |

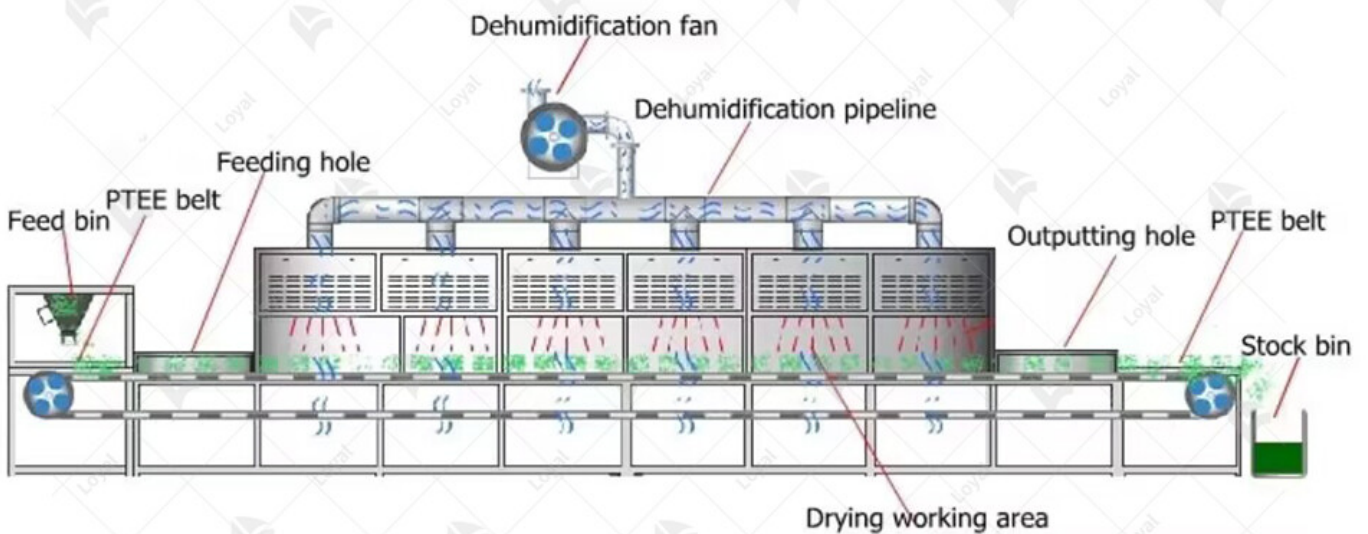
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|--------------------|--|
| Relative Humidity  | 780%, Surrounding Environment: No Corrosive<br>Explosive Gas |
| Transmission Speed | 0-10m/Min(Adjustable)  |



**Working Principles Of Industrial Microwave Sterilisation:**

Industrial microwave sterilisation operates on the principle of selective energy absorption. As microwaves penetrate the turmeric, they specifically heat the water molecules, leading to rapid and targeted sterilization. This method ensures the elimination of bacteria and contaminants while preserving the essential properties of the turmeric.

**Continuous Microwave Equipment Working Process**





## Technical Parameters And Price Of Industrial Turmeric Powder Drying Sterilization Machine

| Technical Parameters And Price Of Industrial Turmeric Powder Drying Sterilization Machine |                   |                   |  |
|---|-------------------|-------------------|--|
| Type?   | Drying Oven       | Application:      | Low-Temperature Roasting Of Whole Grains |
| Condition:  | New               | Place Of Origin:  | Shandong, China                          |
| Brand Name:   | Loyal             | Voltage:          | 380v/440v<br>Customized                  |
| Power:  | 20-200kw          | Dimension(L*W*H): | 8640 *1200*<br>2200mm                    |
| Key Selling Points:   | High Productivity | Warranty:         | 1 Year                                   |

### Advantages Of Microwave Sterilisation Machine:

The Turmeric Powder Drying Sterilization Machine offers several advantages. Firstly, it significantly reduces processing time, enhancing overall efficiency. The controlled microwave energy application ensures uniform drying and sterilization, preventing over-processing and preserving the turmeric's natural characteristics. Additionally, this technology contributes to energy savings, making it a sustainable choice for turmeric processing.



3-5min  
Extremely  
Fast Drying



Simultaneous  
Heating Inside  
And Outside



Temperature  
Sensing  
Prevents  
Overheating



Synchronous  
Sterilization &  
Disinfection  
Function



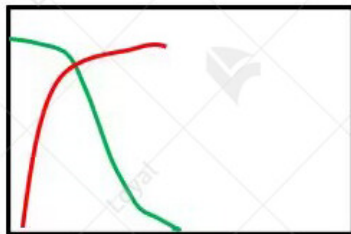
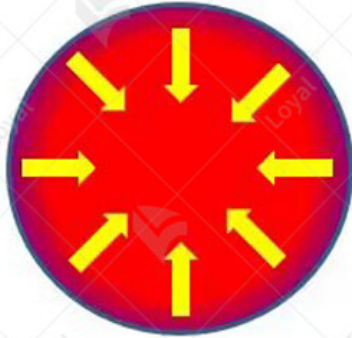
Cooling System  
Has Long  
Service Life



Microwave  
Anti-Leak

# LOYAL'S MICROWAVE ADVANTAGES

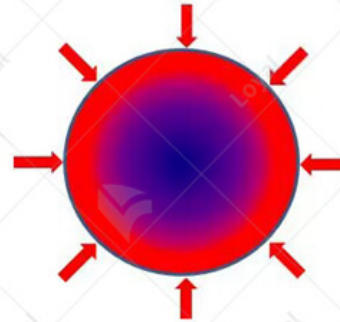
**Microwave Heating**



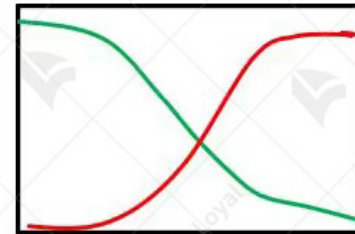
Time

**FASTER, MORE EVEN**

**Conductive Heating**



Temperature



Time

**SLOWLY...**

Moisture

Temperature

## The Sample And Applicant Of Industrial Microwave Sterilisation

Microwave is widely used in drying and sterilising spices. Microwave drying and sterilisation machine can carry out efficient and rapid drying and sterilisation of powdered spices, which has the advantages of short time and high efficiency. Microwave sterilization is a physical process, safe and harmless, does not change the food colour, aroma and nutrients, to avoid the long heating time affects the quality of food. Microwave sterilisation is suitable for foods that should not be sterilised at high temperature for a long time.



## **FAQS: Turmeric Powder Drying Sterilization Machine**

**Q1: How does the Industrial microwave dry and sterilize turmeric process work?**

**A1: The process involves selectively heating water molecules in turmeric using industrial microwave sterilisation, leading to efficient drying and sterilization while preserving the turmeric's natural properties.**

**Q2: What sets the Turmeric Powder Dryer And Sterilizer apart from traditional drying methods?**

**A2: The Turmeric Powder Dryer And Sterilizer utilize controlled microwave technology, ensuring uniform drying and sterilization, preserving the color, flavor, and nutritional content of turmeric powder.**

**Q3: Is the Turmeric Drying Sterilization Machine suitable for large-scale production?**

**A3: Yes, the machine is designed for efficiency, making it suitable for large-scale turmeric processing while maintaining the highest quality standards.**

**Conclusion:**

In conclusion, the Turmeric Powder Drying Sterilization Machine, incorporating Industrial microwave dry and sterilize turmeric, Turmeric Powder Dryer And Sterilizer, and Turmeric Drying Sterilization Machine, revolutionizes turmeric processing. This advanced technology not only ensures efficient drying and sterilization but also contributes to the preservation of the turmeric's natural attributes. With its numerous advantages, it stands as a cornerstone in the modern food processing industry.