

Sago Microwave Drying Oven

Specifications :

Price	USD 100.000-8,800.00
Brand Name	LOYAL
Model Number	LY
Place of Origin	CHINA
Min.Order Quantity	1
Payment Terms	T/T, L/C
Supply Ability	30SETS/MONTH
Delivery Detail	30DAYS
Packaging Details	Wooden packages

Detail Introduction :

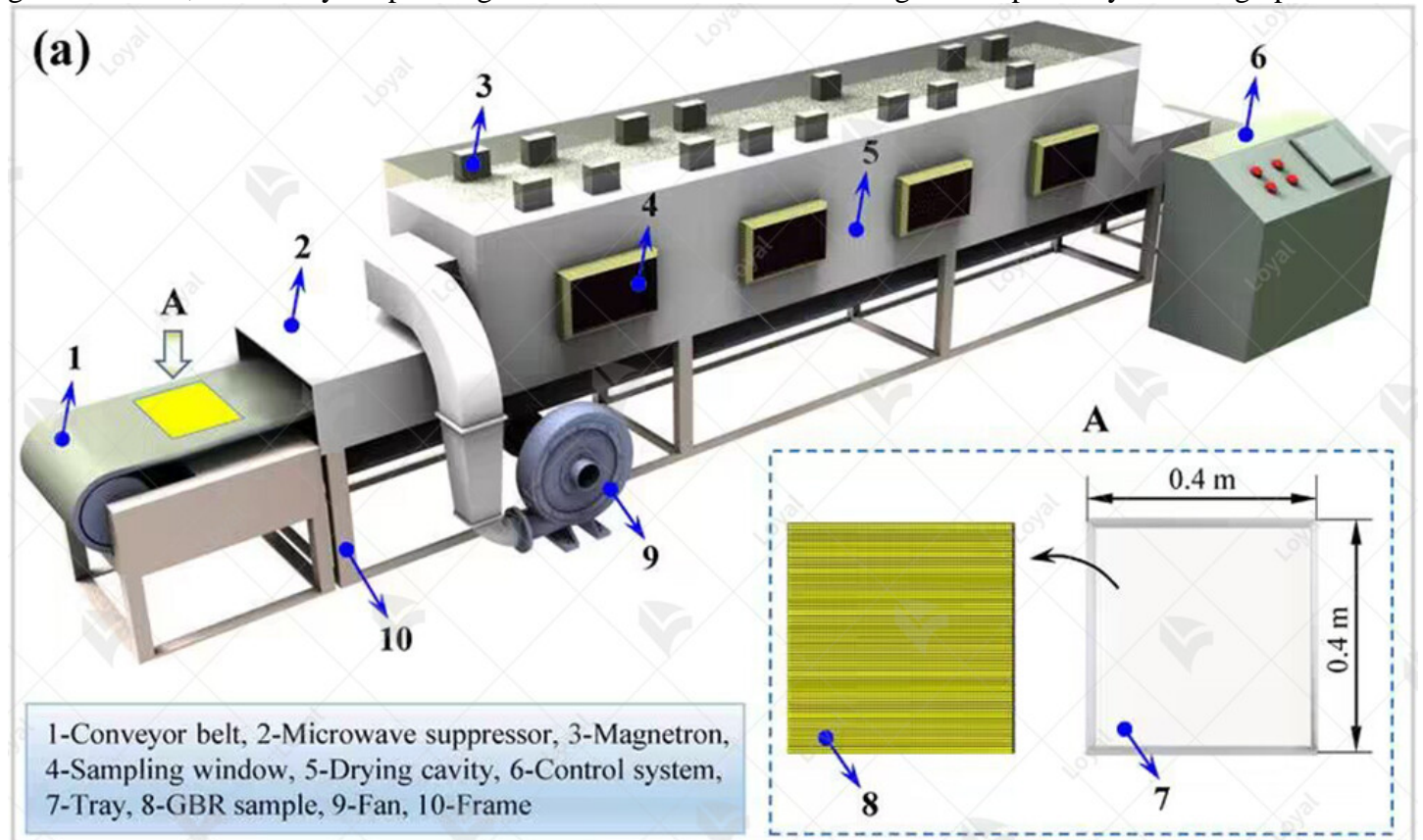
SAGO MICROWAVE DRYING OVEN

Sago Microwave Drying Oven: Revolutionizing Tapioca Drying with Industrial Microwave Technology
In the ever-evolving landscape of food processing, the Sago Microwave Drying Oven has emerged as a cutting-edge solution for drying tapioca pearls, bringing efficiency and precision to the forefront. Developed by Shandong Loyal Industrial Co., Ltd., this innovative technology combines the power of Industrial Microwave Grain Dryer with the specificity of Sago drying. Let's explore the working principles, advantages, and address common FAQs surrounding the Sago Microwave Drying Oven.



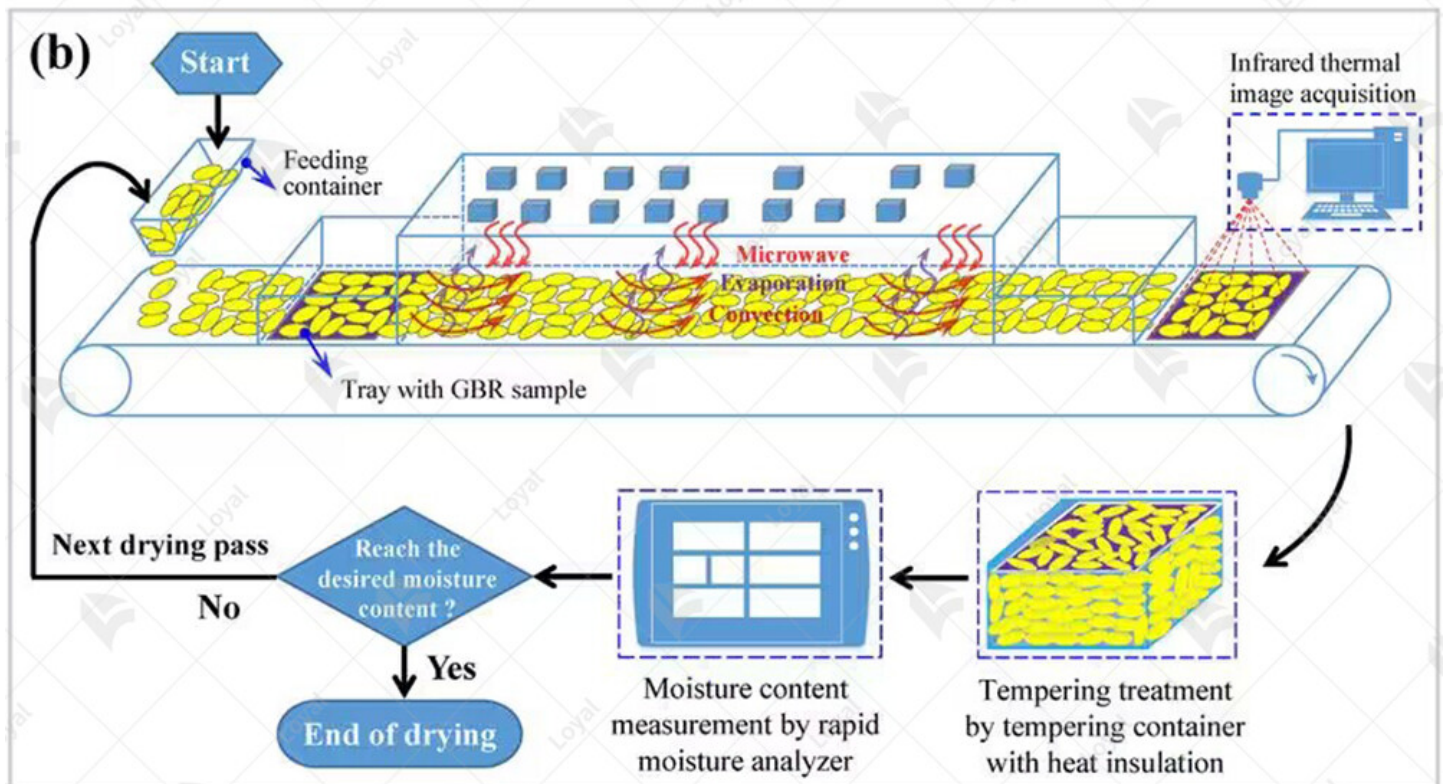
Working Principles of Industrial Sago Microwave Systems:

The Industrial Sago Microwave Systems operate on the principle of utilizing microwave energy for the efficient and uniform drying of tapioca pearls. In the heart of the system lies the continuous microwave dryer, where tapioca pearls are conveyed through a tunnel-like structure. The microwave energy is emitted onto the passing tapioca, penetrating the pearls and causing the water molecules within to vibrate rapidly. This rapid vibration generates heat, effectively evaporating the moisture content and leaving behind perfectly dried Sago pearls.



Industrial Microwave Grain Dryer is a crucial component in modern processing facilities across various industries. This advanced drying equipment utilizes microwave technology to efficiently and uniformly remove moisture from a wide range of grains, preserving their nutritional value and texture. Whether it's wheat, corn, or rice, the Industrial Microwave Grain Dryer ensures fast and high-quality drying results.

When it comes to continuous and efficient drying solutions, the Tapioca Sago Drying Machine shines as a top choice. Engineered for continuous operation, this drying machine utilizes microwave energy to swiftly remove moisture from Tapioca Sago, ensuring consistent and high-quality drying results. Its continuous operation design boosts productivity while minimizing energy consumption, making it an ideal choice for industrial-scale production facilities.



The continuous microwave dryer represents a paradigm shift in the drying industry, offering unparalleled speed and efficiency. With its continuous processing capability and precise microwave energy control, this dryer can quickly and uniformly dry various materials, from grains to industrial products. Its ability to maintain product quality while accelerating the drying process makes it indispensable in modern manufacturing processes.

Technical Parameters Of Continuous Microwave Dryer Industrial Microwave Drying Machine

Model	Size L*W*H(Can be customized according to the customer's requirements)	Output power	Dewaterability	Sterilization capacity	Baking and Roasting capacity (Depends on different raw material)
LY-10KW	5000mm*825mm*1750mm	10KW	10KG/Hour	100KG/Hour	30-50KG/Hour
LY-20KW	8000mm*825mm*1750mm	20KW	20KG/Hour	200KG/Hour	60-100KG/Hour
LY-30KW	8500mm*1160mm*1750mm	30KW	30KG/Hour	300KG/Hour	90-150 KG/Hour
LY-40KW	10000mm*1160mm*1750mm	40KW	40KG/Hour	400KG/Hour	120-200KG/Hour
LY-50KW	12500mm*1160mm*1750mm	50KW	50KG/Hour	500KG/Hour	150-250KG/Hour
LY-60KW	13500mm*1450mm*1750mm	60KW	60KG/Hour	600KG/Hour	180-300KG/Hour
LY-70KW	13500mm*1500mm*1750mm	70KW	70KG/Hour	700KG/Hour	210-350KG/Hour

LY-80KW	13500mm*1650mm*1750mm	?80KW	80KG/Hour	800KG/Hour	240-400KG/Hour
LY-100KW	16800mm*1650mm*1750mm	?100KW	100KG/Hour	1000KG/Hour	300-500KG/Hour
LY-150KW	22400mm*1850mm*1750mm	?150KW	150KG/Hour	1500KG/Hour	450-750KG/Hour
LY-200KW	27000mm*1850mm*1750mm	?250KW	250KG/Hour	2500KG/Hour	750-1250/Hour
LY-300KW	32000mm*1850mm*1750mm	?300KW	300KG/Hour	3000KG/Hour	900-1500KG/Hour
Power Supply	380V±10% 50Hz±1% Three-Phase Five-Wire				
Microwave Output Frequency	2450±50Mhz				
Microwave Input Apparent Power	?168Kva				
Microwave Output Power	?120Kw				
Microwave Power Adjustment Range	0-30Kw(Adjustable)				
Ambient Temperature	-5-40°C				
Relative Humidity	?80%, Surrounding Environment:No Corrosive Gas, Conductive D And Explosive Gas				
Transmission Speed	0-10m/Min(Adjustable)				



Advantages of Industrial Microwave Grain Dryer for Sago Drying:

1. Rapid Drying Time:

The use of industrial microwaves significantly accelerates the drying process, ensuring a quick turnaround in production. This speed not only enhances efficiency but also allows manufacturers to meet the demands of a dynamic market.



**3-5min
Extremely
Fast Drying**



**Simultaneous
Heating Inside
And Outside**



**Temperature
Sensing
Prevents
Overheating**



**Synchronous
Sterilization &
Disinfection
Function**



**Cooling System
Has Long
Service Life**



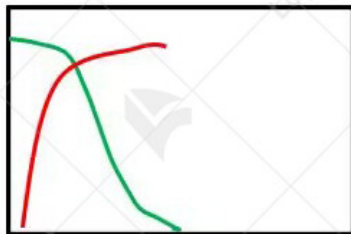
**Microwave
Anti-Leak**

2. Uniform Drying:

Industrial microwave systems offer unparalleled uniformity in drying. The microwave energy is precisely controlled, ensuring that each tapioca pearl undergoes consistent drying, preventing issues such as over-drying or uneven moisture distribution.

LOYAL'S MICROWAVE ADVANTAGES

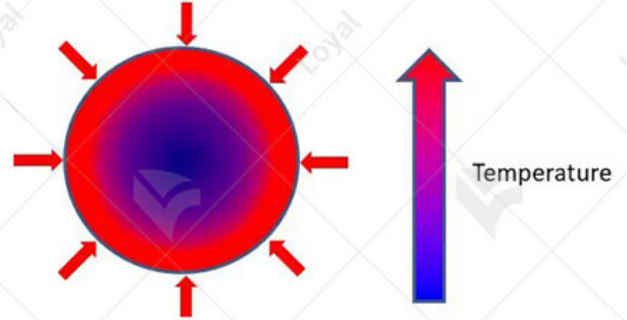
Microwave Heating



Time

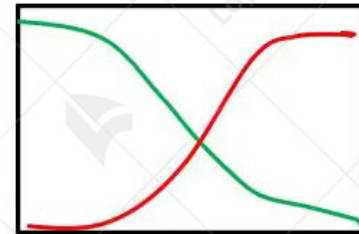
FASTER, MORE EVEN

Conductive Heating



Moisture

Temperature



Time

SLOWLY...

3. Energy Efficiency:

Shandong Loyal Industrial Co., Ltd. prioritizes energy efficiency in their designs. The Industrial Microwave Grain Dryer minimizes energy consumption by precisely targeting the moisture within the Sago pearls, reducing overall production costs and environmental impact.

4. Preservation of Quality:

The controlled and rapid nature of microwave drying helps preserve the quality and integrity of tapioca pearls. This is crucial for ensuring that the final product maintains its texture, taste, and appearance.

DETAIL CHARACTERISTICS



01 ENVIRONMENTAL POLLUTION-FREE

Microwave drying equipment does not produce environment of high temperature, dust and noise, without waste water and exhaust gas in the process of operation, no waste is generated.



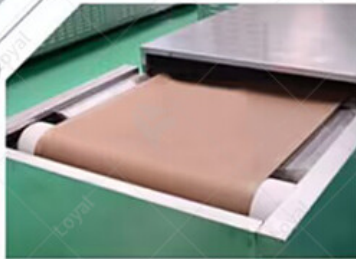
03 ADVANCED TECHNOLOGY EASY TO CONTROL

Microwave heating just have the basic conditions of water, electricity, as long as control power of microwave which can realize the automatic control of heating process immediately.

HEATING UNIFORMITY

02

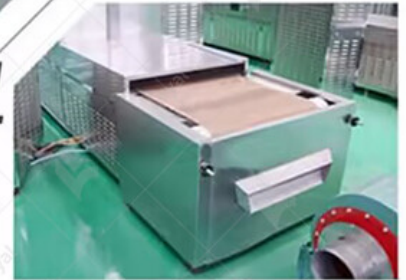
Material can generate heat at the same time under the action of electromagnetic waves from microwave, there will be no coke endogenous phenomenon.



SMALL FOOTPRINT SAFE AND HARMLESS

04

Because the microwave energy is control in metal heating indoor and work in the waveguide tube, so rarely microwave leak, no radiation damage and harmful gas emissions, and does not produce waste heat and dust pollution.



5. Continuous Operation:

The continuous microwave dryer ensures seamless production, allowing for a continuous flow of Sago pearls through the drying process. This design enhances overall production efficiency and reduces downtime.



FAQs: Common Questions About Sago Microwave Drying Oven:

Q1: Is the Sago Microwave Drying Oven suitable for different sizes of tapioca pearls?

A1: Absolutely. Shandong Loyal Industrial Co., Ltd. designs their systems to be versatile, accommodating various sizes of tapioca pearls. The microwave technology is adjustable to meet the specific requirements of different product lines.

Q2: How does the microwave drying process impact the quality of Sago pearls?

A2: The controlled microwave drying process minimizes the impact on the quality of Sago pearls. It helps retain the natural characteristics of tapioca, ensuring a high-quality final product.

Q3: Are Industrial Sago Microwave Systems environmentally friendly?

A3: Yes, Shandong Loyal Industrial Co., Ltd. prioritizes sustainability. The energy efficiency of their microwave systems reduces overall environmental impact, making them an environmentally friendly choice for Sago drying.

In conclusion, the Sago Microwave Drying Oven from Shandong Loyal Industrial Co., Ltd. showcases the fusion of precision and innovation in tapioca pearl drying. With the advantages of the Industrial Microwave Grain Dryer, this technology is redefining efficiency and quality standards in Sago production. As the food processing industry continues to evolve, Shandong Loyal's commitment to cutting-edge solutions positions the Sago Microwave Drying Oven as a cornerstone for manufacturers seeking optimal results in tapioca processing.