



# MULTI-LAYERS HOT AIR DRYER



The "multi-layers hot air dryer" of TSHS is divided into: the feeding section, the drying section, the hot air generating chamber, and the discharging section. We offer different planning and design according to the customer's product features (drying time, water content, and temperature) and available space for the equipment. The equipment meets the requirements of food hygiene regulations, and the parts exposed to food are made of stainless steel.

The energy choices for multi-layers hot air dryer are: LNG, LPG and steam. In the hot air generating chamber, the hot air is sucked through the blower and blowing down. The hot air is sent to the drying chamber through the air passage, and the objects would be dried. And the remaining hot air can be recycled for further use.

The inner exit side of the drying section is equipped with CIP system. An optional cleaning device can be arranged in the inner bottom plate of the chamber, which can collect dust when drying. The cleaning device should be taken out and cleaned periodically.

## MACHINE FEATURE



Drying Rapidly



Easy Control



High Heat  
Efficiency



Heating Evenly



Safe Design



CIP: Cleaning  
In Place

## APPLICATION OF DRYER

**Rubber:** Suitable for solid tires and shock-proof rubber, fireproof rubber, rubber polymerization heating, etc., and other rubber materials that need to be dried.

**Food:** The purposes of food drying are food maturation process, food sterilization and mold prevention, tea de-greening and drying, raw material drying, and food drying processing for nuts, coated peanuts, almonds, and roasted beans. And oven drying for medical drugs and Chinese herbal medicines, food defrost, or drying for snack foods and instant foods, etc.

**Chemical:** Suitable for the chemical industry for plastic, resin foaming, iron products drying and hardening, and kiln ceramic molding, etc., any chemical reactions that need to heating, drying, dehydration, and molding.

**Lumber & Paper:** Suitable for processing of wood products which need heating and drying. The drying process of stick wood plywood, insecticidal treatment or moisture dehydration of wood are also suitable. And the drying requirement in the production process of paper/pulp/carton.

**Fiber & Print:** Suitable for dehydration and drying process for heat treatment and extension treatment of synthetic fibers, nylon materials and water paint dyeing, etc.

**Others:** Suitable for any processes that require drying, dehydration, baking, and sterilization products. Such as soil sludge sterilization, or application of medical materials and biotech products, etc.

## APPLICATION



Kuai kuai



Corn puff



Fish shred



Noodle snack



Rubber stopper



Cloth



Rubber waterproof strip



Chemical material

## MECHANICAL SPECIFICATIONS

- Machine size: Customized capacity is acceptable.
- Layers amount: 1, 3, 5 layers.
- Mesh belt type: Rod mesh belt, rhombic steel, woven steel, flat belt, perforated metal panel.
- Energy: LNG, LPG, steam.
- Drying time: Up to 3 hours.
- Drying temp: 40°C~140°C.