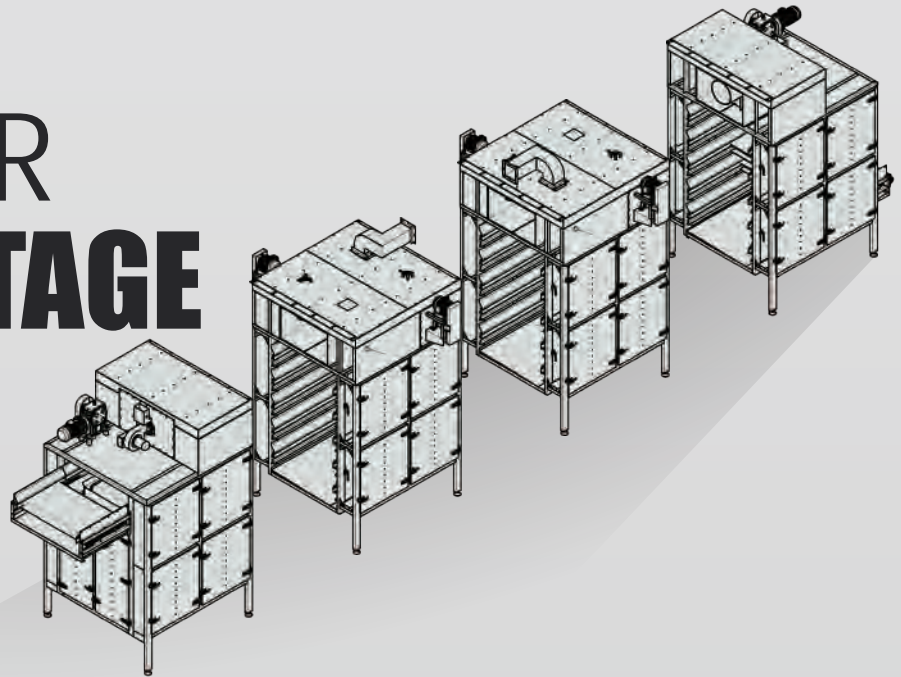




MODULAR MULTI-STAGE DRYER



The "modular multi-stage dryer" developed by TSHS primarily consists of three main sections: the input section, the middle drying section, and the discharge section. The middle section can be customized based on customer requirements regarding factory space and production needs. With the growth in performance and increased production demand, there's no need to purchase new drying equipment. Simply expanding the middle drying section of the existing equipment swiftly enhances production capacity.

Inspired by the concept of prefabricated building, TSHS has developed a modular multi-stage dryer that can be disassembled for shipping. Compared to integrated equipment, the modular design reduces the number of containers required for transport by 25%-50%, significantly lowering transportation costs for customers. Furthermore, the modular design of the drying machine allows for quick installation services without being constrained by factory space, making it particularly suitable for small to medium-sized factories with high production requirements.

MACHINE FEATURE



CIP: Cleaning
In Place



Multiple
Heating Energy



Insulation
Design



Double-sided
inspection Doors



Modular
Function



Safety
Devices

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



Pellet



Herb



Dried fish



Dried insect



Coal



Chemical material



Fireproof bricks



Tofu cat litter

MECHANICAL SPECIFICATIONS

- Machine size (L*W*H mm): Input 2650*2800*4100, middle 2000*2800*4100, discharge 3000*2800*4100.
- Total length (L mm): Minimum 7650, generally 15650. Adjust the middle section based on production volume.
- Mesh belt type: Rod mesh belt, rhombic steel, woven steel, flat belt, perforated metal panel.
- Layers amount: 3, 5 layers. - Drying time: Up to 3 hours.
- Energy: LNG, LPG, steam. - Drying temp: 40°C~140°C.