



INFRARED TUNNEL OVEN



The "Infrared Tunnel Oven" developed by TSHS relies on cutting-edge infrared heating technology for efficient heat transfer and precise temperature control, safeguarding products from damage due to excessive temperatures. This versatile drying machine excels across diverse materials, finding applications in food, chemicals, and materials processing.

Infrared drying outperforms traditional methods by achieving localized heating, minimizing energy waste, and lowering consumption. The oven's high-quality insulation materials in the heating chamber prevent thermal energy loss, enhancing efficiency, saving energy, and promoting a favorable working environment.

The oven features a single-layer conveyor design with customizable belt options and a leveling device for even product placement. This gentle baking process minimizes defects, making it ideal for industries seeking increased production capacity, ensured product quality, and energy savings.

MACHINE FEATURE



Infrared Heating



Product
Adaptability



Insulation
Design



Customized
Requirements



Fault Diagnosis
& Reminder



Continuous
Production

APPLICATION OF DRYER

Food: Tunnel ovens are commonly used in the food processing industry to bake bread, biscuits, crusts, rice crackers, fish shreds and other snack foods. Its rapid and even heating properties ensure product quality and taste.

Ceramics: In the production of ceramics, tunnel ovens are used to bake and sinter the ceramics to increase their hardness and durability.

Electronics industry: Tunnel ovens are used in the electronics industry for welding, curing and sintering of electronic devices to ensure the performance and lifetime of electronic devices.

Chemical industry: In the chemical industry, tunnel drying ovens can be used for drying, hardening or decomposition of various chemical substances.

Coatings & paint: It is the application of paint coatings to the surface of objects, commonly used in the coating of automobile manufacturing, roll paper, and glass, etc. When removing the water and solvent simultaneously, the coating material will harden to form a solid film, ensuring its gloss and durability.

Plastics & rubber industry: In the plastics and rubber industry, tunnel ovens are often used in the drying and hardening process of materials.

APPLICATION



Rice cracker



Cake crust



Fish shred



Biscuit



Chemical material



Rubber material



Plastic product



Mineral soil

MECHANICAL SPECIFICATIONS

- Machine size: Customized capacity is acceptable.
- Mesh belt type: Rod mesh belt, rhombic steel, woven steel, flat belt, perforated metal panel.
- Horsepower: 1 Hp. Adjustable motor deceleration.
- Energy: LNG, LPG.
- Drying time: Adjusted according to the characteristics of the product and the required level of drying.
- Drying temp: Reach above 200°C.