

Hot Air Continuous Drying Equipment LD1601

The LD1601 multi-layer belt dryer is suitable for large-scale production of difficult-to-dry materials with low drying rates. It is used for drying of flake that has good gas permeability, strip and granular materials. It is especially suitable for dehydrated vegetables, catalysts, Chinese herbal medicines and other materials with high water content and high temperature. The dryers have the advantages of fast drying speed, high evaporation strength and good product quality. The material needs to be granulated or stripped before drying.



Dehydrated vegetables / Chinese herbal medicine pieces

LD1601 hot air continuous drying equipment is widely used in metallurgical auxiliaries, chemicals, food, packaging and other fields. With the advancement of technology and the improvement of product technology content, multi-layer belt dryer has the ability to meet large production, diversification, centralized control and continuous production. The LD1601 hot air continuous drying equipment has the advantages of high efficiency, energy saving and

easy management. The device has compact structure, small floor space, simple operation, convenient maintenance and stable operation. The hot air continuous drying equipment can be designed into different hot air circulation drying forms according to the drying characteristics of the materials, which is an extension and improvement of the hot air circulation oven.

The dehydrated vegetable granules are usually dried in a continuous hot air oven, and a hot conveyor is provided with a back-shaped conveyor belt.

When the material is laid on the conveyor belt, the material is laid to the same thickness in order to ensure uniform drying, but in the existing equipment, the hot air inlet passage is often placed on the left or right side of the furnace body, and enters the furnace body. The uneven hot air often causes the material near the two side walls of the furnace to be dried to a greater extent, causing the material on the conveyor belt near the two side walls of the furnace to be yellow and dry.

Advantages of LD1601 hot air continuous drying equipment:

1. LD1601 hot air drying equipment forcibly distributes the hot air that enters the furnace body so that the incoming hot air flows to the material according to the predetermined air passage and air volume. The material on the conveyor belt is uniformly heated by the air, and the degree of drying is the same, which solves the problem that the material on the conveyor belt near the two side walls of the furnace body is excessively dried.

2. Due to the conveyor belt is continuously moving, when the swaying feeder is used to lay the material on the upper surface of the conveyor belt, the material flows to the lower sides of the conveyor belt as the conveying motion, forming a thin cloth with a thin middle and thick sides. In the face of hot air entering the furnace, there is a phenomenon of small intermediate air volume, low temperature, large air volume on both sides, and high temperature. As a complement, the thicker materials on both sides are subjected to hot air with high air volume and high temperature, and the thinner materials in the middle are subjected to hot air with small air volume and low temperature. In this way, the phenomenon that the materials on both sides are yellow due to the

drying transition is balanced.

Technical parameters of LD1601 hot air continuous drying equipment:

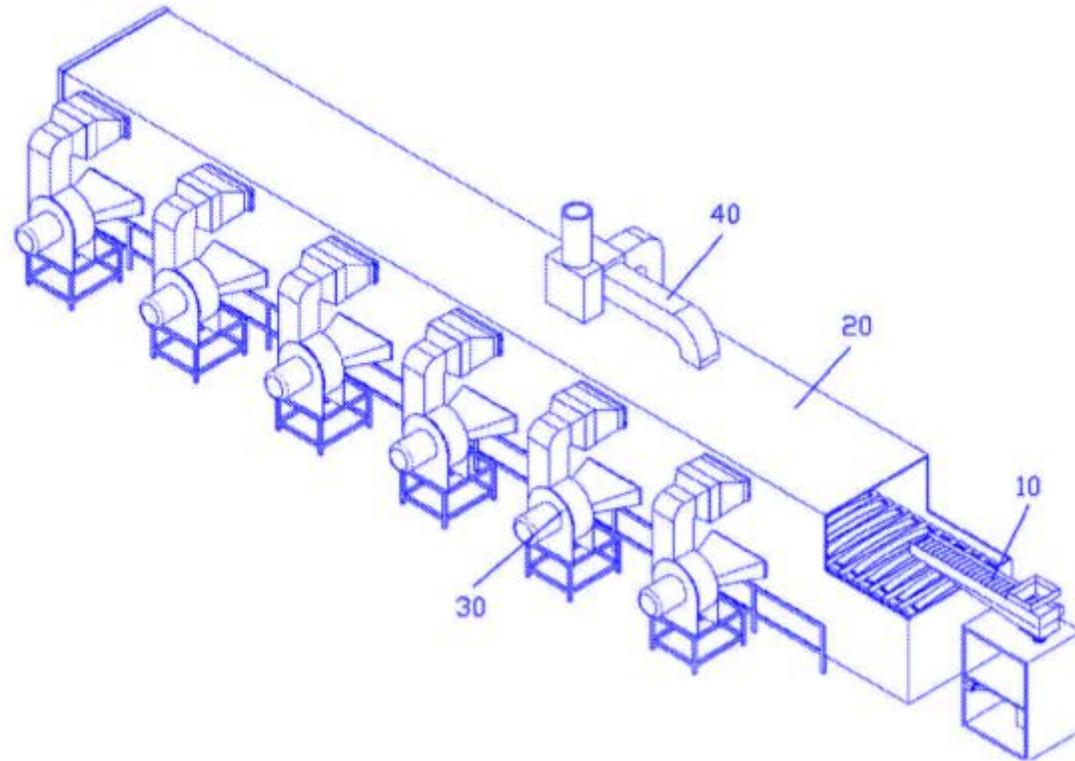
Model	LD1601-1	LD1601-2	LD1601-3	LD1601-4	LD1601-5	LD1601-6
Number of units	4×3	5×3	4×3	5×3	4×3	5×3
Bandwidth (m)	1.2		1.6		2	
Dry section length	8×3	10×3	8×3	10×3	8×3	10×3
Paving thickness	10-80					
Operating temperature (oC)	50-140					
Steam pressure (MPa)	0.2-0.8					
Steam consumption (kg/h)	360-600	420-720	450-840	480-960	480-960	630-1350
Heat exchange area (m2)	816	1020	1056	1320	1344	1680
Drying strength kg/h	150-450	220-550	240-600	280-750	280-750	350-900
Number of fans	14	17	14	17	14	17
Total internal powe (kw)	30.8	37.4	42	51	56	68
Total equipment power (kw)	35.3	41.9	46.5	55.5	60.5	72.5
Size (L×W×H)	9.77×2.2×4.5	11.77×2.2×4.5	9.77×2.6×4.7	11.77×2.6×4.7	9.77×3.06×4.9	11.77×3.06×4.9
Total weight (kg)	4800×3	5780×3	5400×3	6550×3	6350×3	7800×3

LD1601 hot air continuous drying equipment is easy to operate:

The LD1601 hot air continuous drying equipment includes a swing feeder, a continuous drying furnace, and a wind supply device. The discharge end of the swing feeder is overlapped with the loading end of the continuous drying furnace. The continuous drying furnace comprises a furnace body and a continuous conveyor belt disposed inside the furnace body, the furnace body is a closed furnace body, and the continuous conveyor belt is a back-shaped

mesh conveyor belt driven by a motor. The upstream section of the continuous conveyor belt is used to hold the material to be dried. The air supply device comprises a plurality of groups of air supply units, and the plurality of air supply units are arranged along the length of the furnace body, and the air supply unit includes a fan, an upward air channel, a downward air channel, an upper air distributor and a lower air distribution. By adjusting the connector, adjusting the relative opening degree of the second movable plate and the third movable plate, thereby adjusting the relative heights of the openings of the air inlets of the left air passage, the middle air passage and the right air passage, thereby realizing The external adjustment of the inlet air volume can be adjusted at any time according to the real-time drying degree of the material, so that the air volume in the middle and the air volume on both sides meet the requirements of actual material drying.

Configuration of LD1601 hot air continuous drying equipment:



Top view of LD1601 hot air continuous drying equipment

Swing feeder 10, continuous drying furnace 20, continuous conveyor belt 21, rocker 22, air supply device 30, fan 31, upwind duct 32, downwind duct 33, upper air distributor 34, housing 341 a first baffle 342, a second baffle 343, a swash plate 3431, a second movable plate 3432, a connector 3433, a third baffle 344, a third movable plate 3441, a slant plate 3442, and a fourth baffle 345, Scraper 346, lower air vent 35, exhaust air duct 4

How to package LD1601 hot air continuous drying equipment and LD1917 industrial microwave seafood sterilization equipment?

Outer packaging: standard export wooden box

Inner packaging: stretch film

Safe packaging and shipping are required for the LD1601 hot air continuous drying equipment. We will inspect each part and perform the whole machine test before packaging, then package it with plastic film, finally the standard export wooden box for easy movement.

Our service:

1. If there are damaged parts In the one-year warranty period, we will replace them for you free of charge.
2. We have a strict quality control system: the accessories have undergone rigorous testing and entered the whole machine manufacturing process. The engineers are skilled and experienced. The equipment is rigorously tested before leaving the factory to ensure responsibility for each user.
3. If you encounter problems during use, professional engineers can quickly provide effective solutions within 24 hours.

Leader Microwave Equipment Company is principally engaged in the production, research and development and sales of single layer belt dryer .

The R&D department is experienced.

Our products are professionally designed, rigorous in manufacturing processes and durable and reliable. The company has a high-quality technical service team to provide quality consulting services. Please contact us in any time.