

# Global Hemp Solutions



**GLOBAL HEMP  
SOLUTIONS**

**Automatic Gas-heated Hemp Drying Machine**

**5-layers, 3000pounds/hr**

Continuous drying machine



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No.	Description	Specification	QTY /sets	Price/set FOB Qingdao	Options
1	Feeding conveyor	16.4ft*7.2ft*11.5ft	1	\$7,500	/
2	Continuous dryer main body	68.9ft*10.5ft*12.2ft 5-layers	1	\$200,000	UL Motors: \$18,000 (\$1,000/motor-18)
3	Hot blast blower	13.1ft*6.6ft*5.9ft Carbon steel	2	\$36,000	/
4	Gas burner	RIELLO brand Power:1200000kcal/h	2	\$7,500	If using LP, Gasifier is required: \$5,000
5	Electricity Distribution Controller	Sus304, including Electrical components	1	\$2,500	TouchScreen: Additional \$3,000
6	Discharge conveyor	13.1ft*2ft*8.2ft Power:0.55kw	1	\$5,000	/
Total price (FOB Qingdao)			2	\$258,500USD	\$284,500 USD
Shipping freight (4 x40'containers+1x20'container)				TBD	TBD
Total price (shipping additional)				\$258,500 USD	\$284,500 USD

## Remarks:

- 1.Delivery date: estimated 30-45 days. Please contact us for current lead times.
- 2.Terms of payment: 50% TT in advance and 50% against balance before shipment.
- 3.Manufacturer guarantees the quality of the above machines for one year.
- 4.Installation and debugging cost: The manufacturer can manage installation guidance and commissioning. The client needs to reimburse the workers' lodging and round-trip expenses , and subsidy \$150usd/person per day until Installation completed. Client will be billed separately for installation. Other installation options may be available. Please contact Global Hemp Solutions to discuss the available options.

## I . Introduction

This equipment is a belt type multilayer reverse dryer. The main parts are made of high quality carbon steel. The stainless steel mesh belt is made of SUS304, it runs smoothly, easy to maintain and has a long service life. The whole machine running speed and drying temperature can be set your your specific needs. It has a high degree of automation, saving labor and improving production efficiency. The dryer's temperature and humidity can be adjusted according to the actual situation.



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## II. Fundamental

1. The machine can use electric, gas, LPG, coal, biological particles, diesel and other energy heating. The working principle is that the air heated by the heat source in the hot air stove is blown by circulation fans into the inside of the drying cabinet body so that the moisture of the product is evaporated under the heat. Evaporated under this process, the generated moist air is discharged to the outside of the device with the exhaust pipe. The machine can continuously feed and make the material run smoothly. During the material conveying process, the gap is conveyed through the intermittent mesh belt to realize the turnover of the material and reach the homogeneity of the heated air on all surfaces. It can connect with other equipment to achieve continuous operation.

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Heating modes:

Hot-air stove heating, energy can be natural gas, biomass pellet, liquefied gas, LP.



Gas burner: RIELLO brand





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Hot-air stove:



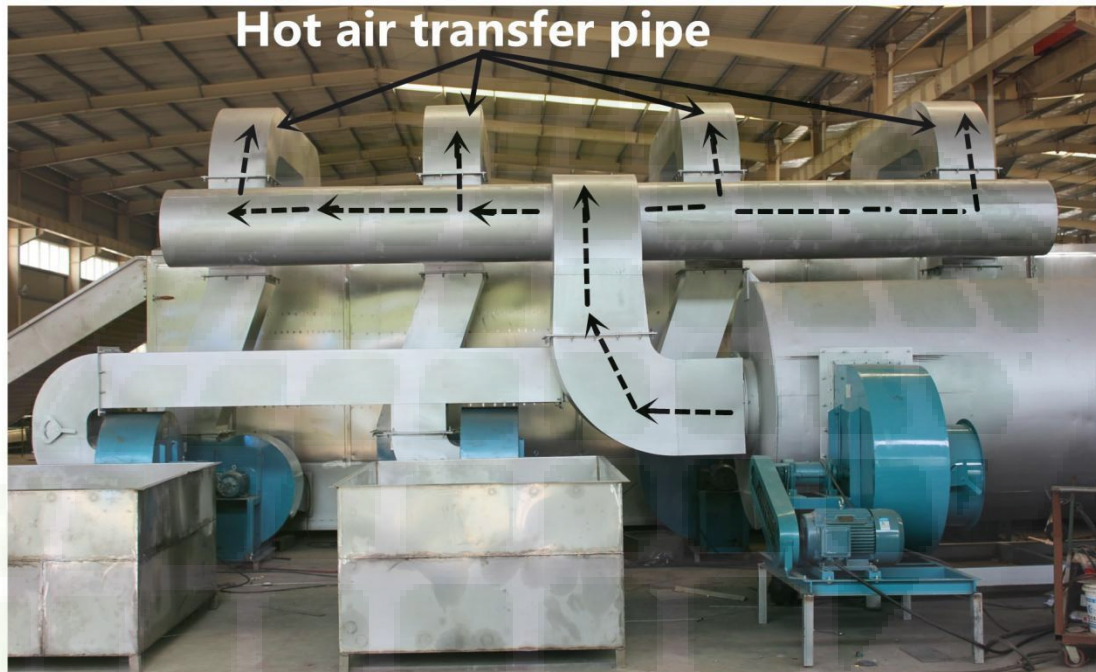
2. Each unit of mesh belt dryer has independent circulation of hot air. Part of the wasted gas is discharged by a special dehumidifying fan. The exhaust gas is controlled by a regulating valve. The hot gas make the material up or down on the mesh belt by heating to dry biomass and remove the moisture. The mesh belt moves slowly, the operating speed can be adjusted freely according to the material temperature, and the dried product continuously falls into the receiver. Up and down cycle can be flexibly configured according to user needs, and the number of units can be selected according to the need. The amount of air, heating temperature, material residence time, and heating rate can be adjusted to achieve the drying effect.

3. Due to the low temperature of the material, the equipment is completely closed, only leaving the openings necessary for the discharge, so the effect of dehumidifying is good.

4. The unique air intake device makes the distribution of hot air more uniform and ensures the consistency of product quality.

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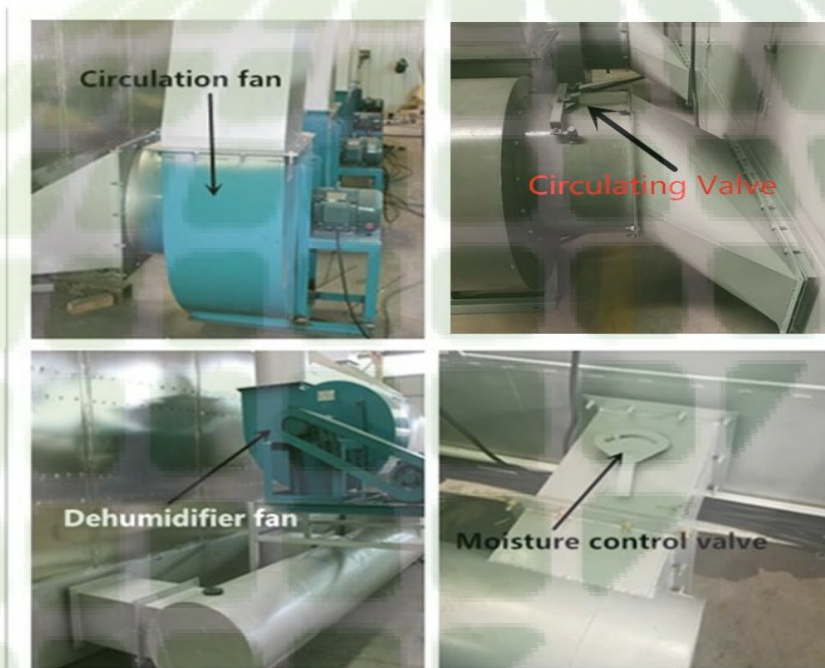
(Display of Hot Air Circulating direction)





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5. Heating system, temperature-controlled multi-position design and high air circulation fan can make internal heat fully dispersed in every corner of the interior. Make sure there are no dead ends. Uniform temperature, ideal for air drying and drying products.



a. Circulation fan: The circulating fan can blow the hot air generated by the hot stove into the dryer chamber.

b. Air volume controller: When the air temperature in the hot blast stove is too high, the valve is properly opened, which can replenish fresh air and regulate the temperature inside the dryer.(only steam-heated dryer needed)

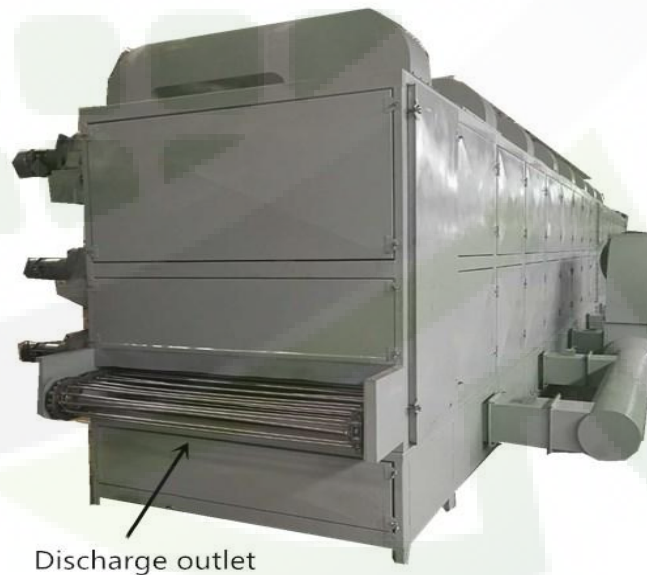
c. Dehumidifier fan: It can discharge the damp air.

d. Moisture control valve: When the air temperature rises, the valve can be enlarged a little. It can accelerate the removal of moisture.

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## III. Overall appearance and layout of dryer

### A. External structure and details



**For 5-layer dryer, the feeding and discharging are in the opposite direction.**



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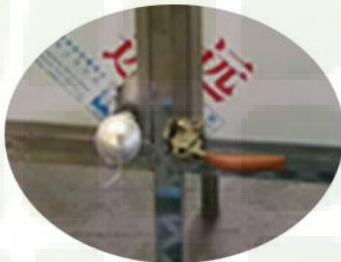


moisture  
remove fan



Moisture removal switch

Feeding device can be  
equiped as required



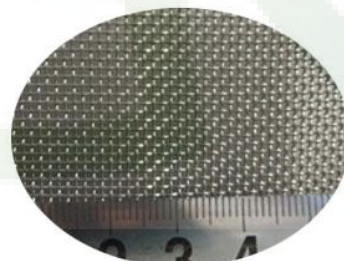
lock:Flexible design can check  
work status at any time



chain sprocket:Good wear resistance,  
High strength and tensile properties



frame:Carbon steel structure,  
Longer service time by gas shielded



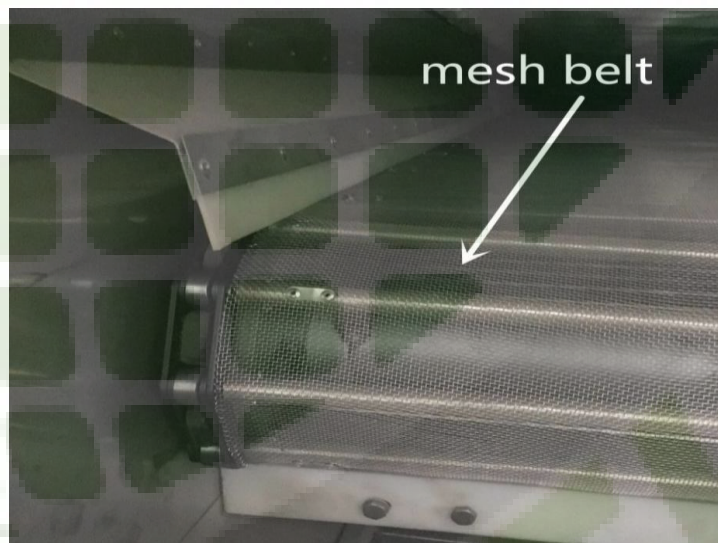
Woven mesh, food grade stainless  
steel, tough, good ventilation

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Observing window: Through the observing windows, drying level can be judged.



Mesh belt: made of 304SUS



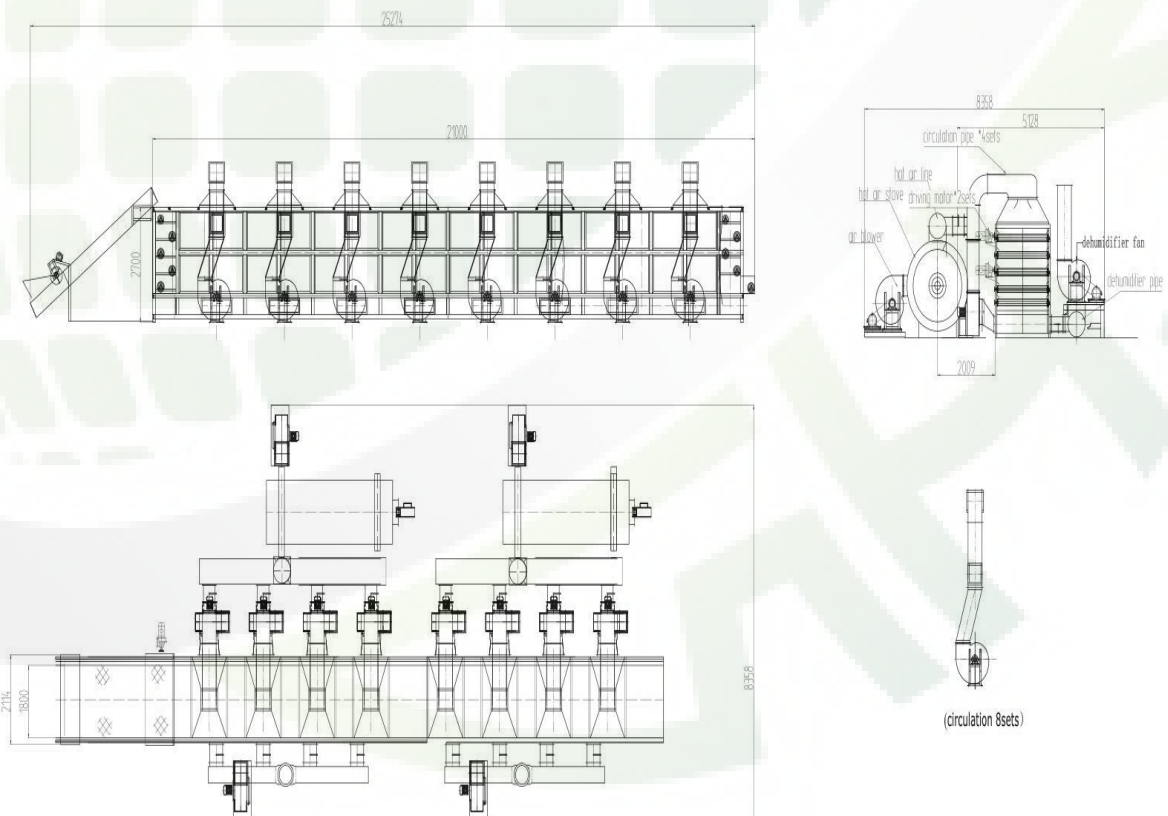
## B. Electrical controller

**This kind controller is easy to operate and maintain. it includes the electronic control switch and electrical components used in the whole system.**

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## C. layout of dryer & overhead view





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## D. discharge elevator(customized length and height)



## IV. Material allocation and price:

### 1.Feeding machine:

Dimension:16.4ft\*6.6ft\*8.2ft

Drive power:3kw/440v/60hz

### 2. Continuous Drying machine:

Dimension:68.9ft\*10.5ft\*12.1ft

Voltage: industrial voltage 3 phase, 440v--480v/60hz, can be designed according to client's local voltage.

Electric current: 140A-160A.

Mesh belt: made of 304SUS.

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Drive power:2.2kw\*5sets,

Air-blower:11kw\*2sets.

Circulation fan:4kw\*8sets,

Centrifugal exhaust fan power:5.5kw\*2sets

Burner power:1200000kcal , gas consumption:120-132m<sup>3</sup>/h

Total power:80kw. (If a generator unit is needed, its power should exceed 160kw, about equal to 200KVA.)

### Machine List of Complete Dryer line

Name	Type	Specification	Remark
Structural plate steel	Carbon steel	2.0mm	
Transmission shaft	Carbon steel	Ø50	
Insulation shield	Carbon steel	1.2mm	
Support square tube	Carbon steel	60*80*3.0mm	
Mesh belt	SUS304	Width 1800mm	
Transferring gear	SUS304	9-teethgears	
Insulation Materials	Aluminum silicate board	50mm thick	
The electromagnetic valve		AC220V-2L-20	

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Conveyor speed reducer			
Temperature Controller		A1208	
Temperature Sensor		WP-236	
Electricity Distribution Controller	SUS304	1.2mm	Double layer waterproof function
Electric appliances		customized Schneider, Siemens	
Frequency converter			
Mesh support shaft	SUS304	spacing150mm	shaft 16mm
Circulation fan	Carbon steel, 8sets, power:4kw*8		
Exhaust fan	Carbon steel, 2sets, axial flow fan,power:5.5kw*2		
Air blower	Carbon steel, 11kw*2sets.		
Centrifugal exhaust fan	Carbon steel, power:5.5kw*2sets		
Hot-air stove	2 sets, China famous brand		
Gas burner	2 sets, Italian or British Brand		
Discharge conveyor	4000*600*2500mm,Power:0.55kw,can be customized		
<b>Total</b>	<b>FOB Qingdao \$284,500 USD (based on options chosen by client)</b>		
<b>Note</b>	1.Equipment warranty one year.		



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	<p><b>2.Payment Terms:</b> T/T, deposit 50% to start production, after the completion of the production, remaining 50% payment is due prior to shipping.</p>
	<p><b>3.Installation and debugging:</b> The cost of round-trip ticket, aboard lodging, the cost of the visa and the subsidy of US\$150 per person every day, paid by the client. The manufacturer is responsible for the installation guidance, debugging, technical guidance ,meanwhile the client must provide the local necessary manpower and equipment support, such as cranes, porters, etc.</p>

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## Our company

Global Hemp Solutions is your all inclusive post-harvest processing and extraction equipment provider. We have partnerships with some of the world's largest and best manufacturers. We not only provide you with the best equipment to help make you successful, we are there every step of the way even after the installation of the equipment. We value long term relationships and are truly here to serve you.



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All prices and shipping times subject to change. Please contact us for updated lead times and pricing.



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