

## Continuous Belt Dehydration Machine

Raw materials are speeded on the conveying belt through suitable auxiliary mechanism such as distributor, vibrating belt, pulverize or granulator, belt passes the channel which containing one or several heating units; heating unit is equipped with air heater and circle system. Each channel has one or several damp exhaust system. When raw material is transited, hot air passes through or over it. In this way it makes raw material dry uniformly.



### Application

The mesh-belt dehydration machine is common continuous dehydration equipment, it is widely applied in chemical, foodstuff, pharmacy, construction material, and electronic industry, and particularly it is adapt to dry the raw materials which have good air permeability and shaped in

sheet, strip or granule. For ointment stuff, the wisest way to dry it are: shaped those stuff first,, then dehydration it.

### Features

Air volume, heating temperature, dehydration duration and feeding velocity can be adjusted in order to obtain the best dehydration effect.

Diversified configuration. Material, structure and dimension is available to design based on particular demand.

Unique air dividing system makes hot air distribute evenly to guarantee the dried product quality.

Various heating for option: steam boiler, electricity, coal stove and fuel burner.



### Typical products

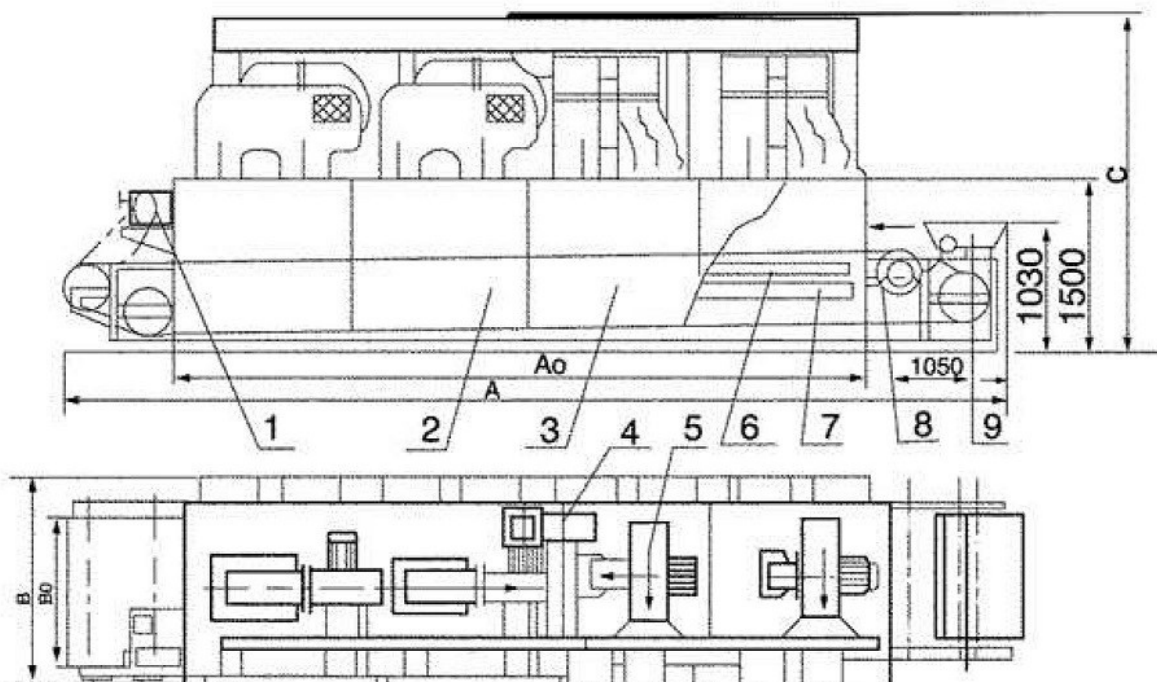
Dehydrated vegetable, granule feed, monosodium glutamate, check extraction, organic pigment, synthetic rubber, propylene fiber, medicine, medical materials, small wooden products, plastic products, aging or solidifying for electronic elements.



## Technical Parameters

Model	DW-1.2-8	DW-1.2-10	DW-1.6-8	DW-1.6-10	DW-2-8	DW-2-10	DW-2-20
Quantity of unit	4	5	4	5	4	5	10
Width of belt(m)	1.2		1.6		2		
Length of dehydration section(m)	8	10	8	10	8	10	20
Thickness of spread raw material(mm)	≤60						
Temperature of operation(C)	50-140						
Pressure of steam(Mpa)	0.2-0.8						
Consumption of steam kg/h	120-300	150-375	150-375	170-470	180-500	225-600	450-1200
Dehydration time(h)	0.2-1.2	0.25-1.5	0.2-1.2	0.25-1.5	0.2-1.2	0.25-1.5	0.5-3
Water evaporation (kg/h)	60-160	80-220	75-220	95-250	100-260	120-300	240-600
Total power of equipment kw	11.4	13.6	11.4	13.6	14.7	15.8	36.8
Overall dimensions	L(m)	9.56	11.56	9.56	11.56	9.56	21.56
	W(m)	1.49	1.49	1.9	1.9	2.32	2.32
	H(m)	2.3	2.3	1.4	2.4	2.5	2.5
Weight(kg)	4500	5600	5300	6400	6200	7500	14000

## Drawing



- |                             |                      |                      |
|-----------------------------|----------------------|----------------------|
| 1. Stepless speed regulator | 2. Lower circulation | 3. Upper circulation |
| 4. Damp exhaust fan         | 5. Circulating fan   | 6. Air distributor   |
| 7. Heater                   | 8. Driving system    | 9. Feeder            |

#### Technical Changes

The data and illustrations in this catalogue are not binding and only provide an approximate description. We reserve the right to make changes to the product delivered compared with the data and illustrations in this catalogue, e.g. in respect of technical data, design, fittings, material and external appearance.

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