

Fig drying process



The fresh figs is sweet after they ripen. Water content up to 78%, free water, colloidal water and combined water exist in three states and are not easily stored and transported. The dried figs not only have a longer shelf life, but are soft, sweet, and delicate. They are described by nature as "gift packs."

■ Figs Drying Tools/Raw Materials

Fresh Figs

A Set of Cleaning Pool

A set of fig drying machine

■ Fig drying process steps:

Raw material selection→Cleaning→Remove Pedicle→Slicing→Planting→Drying→Softening→Grade Packing→Dried Fruit.

- When picking, select ripe figs (not too ripe) and choose large and full. This is the first step in checking the raw material of figs.



- Figs can be dried whole, or dried after cutting. After the cut, the drying time is faster than the whole drying. First, wash the FIG, remove the fruit handle, and then divide it. can be half cut, also can cut into lumpy bar, then step by step to desquamate, protect color and so on processing.



- Fig water content up to 78%. in three status, free water, colloidal water and combined water exist in fruit. High in sugar, if the sun is not strong enough to dry, it is difficult to dry out the figs. The key point of using air energy fig drying machine is the strictly control of temperature, humidity, wind speed and air volume. According the size of figs, divided into three stages for drying:

The first stage:

5 hours, setting up the temperature about 70-85°C, setting up the humidity 50%

The second stage:

8 hours, setting up the temperature 60-70°C, shorten the drain time, setting up humidity 30%.

The third stage:

5 hours, setting up temperature 50-60°C, setting up humidity 10%.

Total drying time is about 18 hours. The fig moisture content is below 15%.



If drying a whole figs, it takes longer drying time, First spread the fruit evenly on a shelf truck. After drying in the drying room, it is placed in a cool place outside the drying room for one day and then pushed into the drying room for a second drying. the amount of drying of the fig depends on the drying machine model specifications. The least is a batch of 600-800 kg, maximum a batch up to 2000kg, for capacity of 10,000 kg or more will adopt combination methods.



After the fig drying, there must be a softening process again. Pay attention to protect it with plastic film to prevent the bacteria from breeding. After 2 days of softening process, the bag can be packaged and stored.



◆无花果烘干案例图片 Fig drying case presentation



■无花果烘干设备 Fig drying equipment



Heat pump unit			
integration drying and dehumidifying machine	12P	set	1
Temperature and humidity control system)	Dryfree intelligent control system	set	1
External fan (centrifugal fan)		set	1
Negative pressure fan, wind shield and accessories	1060380V/0.55KW Air volume: 25000m³/h	set	4
Humidifying fan		set	1
Electric damper		Piece	1
Dampness window		Piece	1
Preliminary design, installation and debugging guidance after-sales service			
Drying room			
	Standard copper cable (customer's own purchase) - 16MM2 (from power to our control box distance)	set	1
Wire and cable	Standard copper cable 6MM2 -high temperature cable)	roll	1
	Standard copper cable 1.5MM2 - high temperature	m	15
	Standard copper cable 2.5MM2 - high temperature cable	m	30
Channel steel 100*50	Standard - 6m	set	8
Standby square pipe support - strengthen fan frame and support air duct.	40X40X2-6m	pcs	10
The negative pressure fan rack is 2, and the centrifugal fan rack is 2.	40*40*2-6m	pcs	7
304 stainless steel plate	1000*2000*0.6mm	pcs	1
Polyurethane cold storage insulation board)	50mm thick wall thickness 0.5 (94M2)	m?	96
Polyurethane plate	1150*50	m?	
Air duct	Galvanized sheet)	set	1
Cold storage door	Double open door	set	1
Rivet glass glue	Routine 12 branches	pcs	8
Electrode grinding slice	Routine	set	1
Angle aluminum	35X35X6m	pcs	3
Aluminum groove	6m	pcs	10
Aluminum foil tape		roll	10
Sealing strip		roll	12
Glass cement gun			1
Standby, flap motor			1
Screw and nut		group	1
Pull the nail		group	1
Thermal insulation cotton	1220*2440*1.5	pcs	12
Cryogen		pcs	1
Sealant for cold storage	One barrel, sticky air duct insulation cotton	pcs	1
Standby electric heating	6KW/group	group	4

