

SANOVO EGG SHELL DRYERS

SED-RANGE



General

The SANOVO Eggshell Dryers are available in various sizes and are especially made for larger egg processing plants where depositing has become difficult and costly.

Operational Description

From a buffer tank a dosing screw automatically feeds the centrifuged eggshells into the drying chamber.

In the drying chamber the eggshells are brought in good contact with the drying air by means of rotating paddles which throw the eggshells up in the air and at the same time move the eggshells forward.

For optimal drying conditions, the incoming wet eggshells counter flow the heated air to ensure that the shells leave the drying chamber in contact with the hottest and cleanest air.

The eggshells drop into the built-in pasteurising auger where the eggshells are kept at a high temperature for a long time ensuring a unique decimation of the germs ($> 200 \times 10^6$).

A rotary valve takes out the dried eggshells for further transfer.

Ambient air is taken through a filter by a centrifugal fan and heated up to drying temperature by a direct-fired natural gas air-heater built directly into the duct system.

After passing the drying chamber, the air is cleaned efficiently in two cyclones, and eggshell dust and parts of membranes are led back to the drying chamber by rotary valves mounted under the cyclones.

The cleaned air is led away by a second centrifugal fan through the exhaust ducts.



Special features

- A unique low drying temperature results
- in low heat exposure on the proteins
- High Shell-to-Air contact by rotating paddles reduces fuel costs
- Built-in pasteurising auger results in guaranteed bacteria-free eggshells
- Counter-current flow of eggshells and drying air gives optimal sterilisation conditions
- Minimum maintenance by cyclones
- Compact design



Options

- Built-in heat recovery unit for energy saving
- Systems for conveyance of the dried eggshell to a silo system.



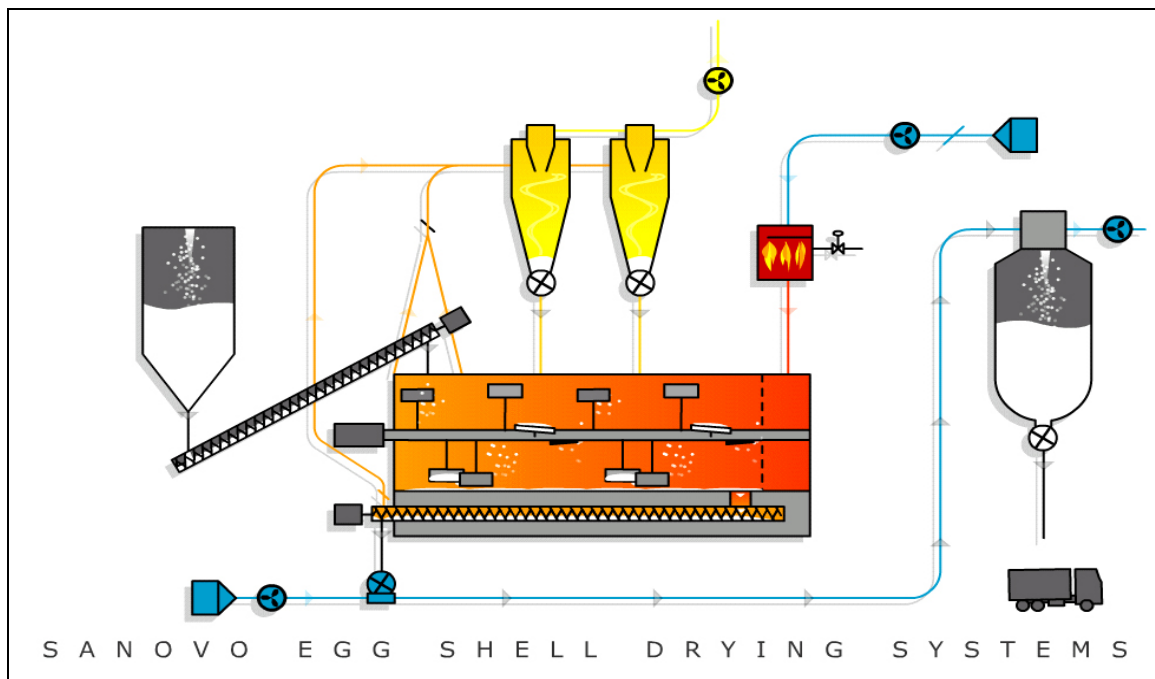
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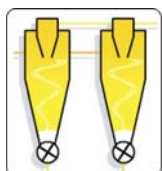
Solutions for Food and Egg Processing

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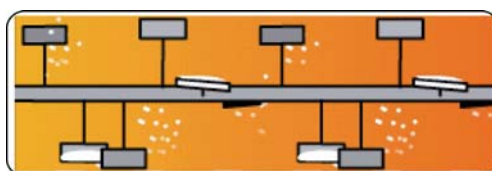
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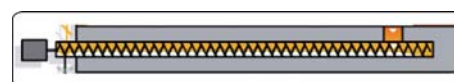
Special features



Cyclones
Reduced Maintenance



Egg Shell Counter-Current Flow Drying Air
Optimal Sterilisation Conditions



Built-In Pasteurising Auger
Guaranteed Bacteria Free Egg Shells

Technical data

SANOVO EGG SHELL DRYERS	CAPACITY		CAPACITY		CAPACITY	
	From Breaker		Before Centrifuge		After Centrifuge	
	Eggs/hour	Cases/hour	Kg/Hour	Lbs/Hour	Kg/Hour	Lbs/Hour
SED 25	67.000	186	600	1.320	534	1.175
SED 50	133.000	370	1.200	2.640	1.068	2.350
SED 75	200.000	555	1.800	3.960	1.602	3.525
SED 100	266.000	740	2.400	5.280	2.136	4.700
SED 125	333.000	925	3.000	6.600	2.670	5.875
SED 150	400.000	1.100	3.600	7.920	3.204	7.050

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