

One step ahead  
in egg shell drying

# Egg Shell Dryer

## drying and sterilizing egg shells

The Egg Shell Dryer is part of a continuous industrial process whereby the shells of recently broken eggs are heated and dried. The basis of the Egg Shell Dryer is a screw heat exchanger that is heated by thermal oil. In addition, the installation consists of a pulverizer, a unit to heat the thermal oil and an exhaust system to remove moisture.



Egg Shell Dryer



Egg shells before going through the Egg Shell Dryer.



Egg shells after going through the Egg Shell Dryer.

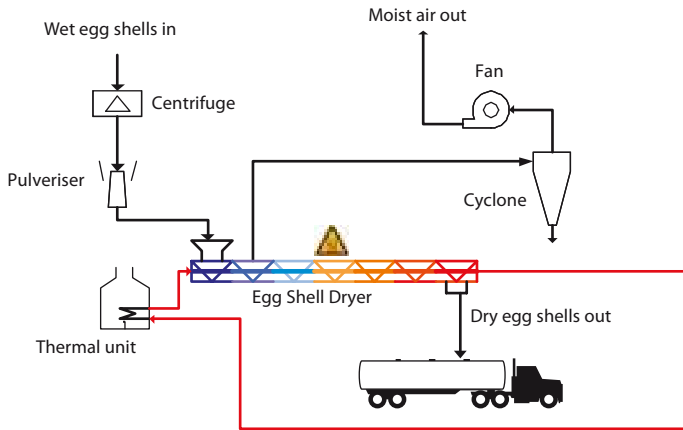
"Before buying the Egg Shell Dryer, I was stuck with a large amount of waste: wet egg shells. By buying an Egg Shell Dryer, I have been able to turn the egg shells into a useful supply of lime that is making, instead of costing me, money. I don't want to be without one any more."

Comment by a producer of egg products

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## The process

The egg shells go through a centrifuge before being taken to the Egg Shell Dryer. The Egg Shell Dryer then kills the bacteria by heating in a single process and reduces the moisture percentage to less than one percent.



## Control

The Egg Shell Dryer comes with a control box. The Egg Shell Dryer can be supplied ready to be plugged in. The control box contains, among other things, a frequency regulator and a logger for the temperature of the egg shells. The temperature can be displayed on a PC and then incorporated into a report for the regulatory bodies.

## Specifications

	Egg Shell Dryer 500	Egg Shell Dryer 1000	Egg Shell Dryer 1500
<b>Capacity</b>	500 kg/hour shells 62,500 eggs/hour	1,000 kg/hour shells 125,000 eggs/hour	1,500 kg/hour shells 190,000 eggs/hour
<b>Max. heating capacity</b>	120 kW	230 kW	465 kW
<b>Length</b>	4 m	6 m	6 m
<b>Width</b>	1 m	1 m	1 m

## Advantages

The Egg Shell Dryer has a number of advantages compared to other drying installations.

- Energy consumption of the installation is low (160 Kw/tonne shells) because heating is indirect.
- You only need a limited amount of room to install the machine.
- The dryer can replace the existing transport system.
- The installation is supplied as a complete system.
- The final product meets the standards of 1774/2002/EG.

