

Egg Powder Production Line (egg Powder processing line)

Description

Changzhou Xiandao Drying Equipment Co.,Ltd. can supply egg powder manufacturing plant that can produce fine powder from fresh eggs. The egg powder manufactured by our plants meets the international quality standards. This complete set of production plant can be completely designed and manufactured in accordance with requirements and standards of full automation. In addition, we have a set of fully equipped, quality-assured laboratory facility to test the technical indicators of bird and pet feed powder and egg powder production processes.



Built-in fluidized bed agglomeration granulation

External fluidized bed cooling

Process Descriptions

Hygiene is one aspect that we especially take care of while manufacturing plants. We make sure that our plants manufacture pure powder and do not affect the quality. Egg powder manufacturing follows a particular process in the following manner.

Breaking of eggs

Removing the shell

Filtration

pasteurization

cooling

homogenizing

Storage

Drying and

Packaging



CIP System



Pipeline CIP

Egg powder production line requirements are as follows:

1. Raw material specific gravity - 1,041 kg/1 L;
2. Raw egg moisture - 75%;
3. Egg powder moisture requirement – 4 to 6%;
4. Processing temperature - 168°C to 180°C;
5. The amount of raw material handled is -14000L/24h;
6. Contact SUS316
7. The other materials can be coated with heat-resistant carbon steel;
8. Eggs entering the spray tower are processed by shell separation unit.
9. The product must be like powder particles, similar to milk powder;

The entire production line also needs the following parts:

- a) egg washer
- b) Sheller
- c) pasteurization disinfection unit: hourly output of 2000L, disinfection time of six minutes

Features

Each egg contains 50-55 GM slurry which contains 22-25% 'total solids'. Egg powder can be reconstituted and can be used for a variety of purposes including- omelette's preparation, baking purpose and for several other value-added products. While eggs are prone to breakage during transportation, egg powder are completely safe and has a longer shelf-life.

Egg Powder Production Line (egg Powder processing line) is made on request .

The plants that we provide, conform to the international standards and the level of output can be customized as per the requirement of the company.

On the one hand, special centrifugal spray dryers can be used for production, and multi-stage pressure-type large agglomerated fluidized bed spray dryers can also be used to produce higher grade egg powder products.

Egg powder plant is easy to clean and this is necessary in case of eggs. Moreover, this machine does not require high technical operation. This is easy to operate and handle.



Fine egg powder project site