

# What Corn Flakes Breakfast Cereal Production Line Including?

## Introduction Of Corn Flakes Breakfast Cereal Production Line:

Corn Flakes Breakfast Cereal production line, the device is automatically completed from raw materials to the finished product. The degree of automation is high.

Soaking a cup of products as breakfast with milk has become increasingly a healthy food for people. Breakfast grain food is a kind of crispy food, which is based on grain as the basic raw material and is processed by this production line to form a variety of nutrients and convenient foods such as granules. Its prominent features: rich in compound carbohydrates and dietary fiber. At the same time, breakfast grain food can supplement many trace elements, such as vitamins and minerals, and can be added with cocoa powder, sugar powder, honey, maltose, etc. After coming into coffee, milk, yogurt or functional drinks, you can eat it directly. Children can also use breakfast grain food as sweet and crispy casual snack food.



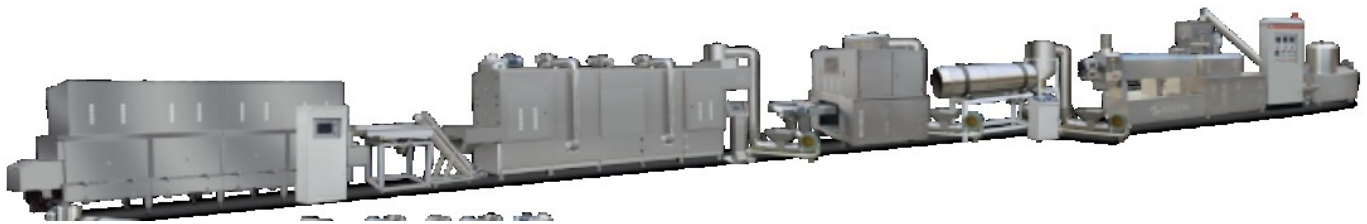
## The Details Of Corn Flakes Breakfast Cereal Production Line ?

Capacity	120kg-1000kg
Power Supply	Based On 380V 50 Hz 3 Phase. Customized According To Your Local Power.
Machine details	1.Stainless Steel,:201, 304, 316, On Request
	2. Electric Parts Can ABB, Delta, Fuji, Siemens; Famous Brand As Your Demand.

Certificate	Ce,Gost,Tuv,Bv
Raw Material	Corn Powder And Other Cereals
Products Color	White, Yellow
Products type	Rings, Balls, Chocos And Curls

## The Flow Chart Of Corn Flakes Breakfast Cereal Production Line :

1.Mixer --- 2.Screw Conveyor --- 3.Twin-Screw Extruder --- 4.Cooling Conveyor --- 5.Air Conveyor --- 6.Flaking Machine --- 7.Air Conveyor --- 8.Pre-dryer --- 9. Hoister --- 10.Vibrate Feeder --- 11.Baking Machine --- 12. Sugar Sprayer --- 13. Multi-layer Oven --- 14. Cooling Conveyor --- 15. Packing Machine



## The Detailed Introduction Of Corn Flakes Breakfast Cereal Production Line:

Put the raw materials into the mixer machine, stir with the mixing shaft through the motor, and send the mixed materials to the Twin Screw Extruder through the Screw Conveyor, then cool it through a cooling Conveyor, send it to the Flaking machine through the Air Conveyor to press the bulk ball into a piece, and then send it to the Pre-dryer through the Air Conveyor. The moisture of it is reduced to about 20%, and then sent to the Vibrate Feeder by the Hoister, and then sent to the Baking machine for secondary drying to reduce the moisture to less than 3% in order to store it. Then to the Sugar Spray, then send it to the Multi-layer Oven to dry it .

Finally, the corn flakes breakfast cereal can be packed by the packaging machine.

## The Equipment Using And Advantages Of Corn Flakes Breakfast Cereal Production Line :

Equipment Name	Corn Flakes Breakfast Cereal Production Line
Mixer:	Rotate the stirring shaft at high speed through the motor, so that the raw materials in the barrel are fully mixed and evenly
Screw Conveyor:	Inside is a spiral, which can prevent the accumulation, and enter the material in the squeeze very well
	Twin Screw Extruder: Double screws are two screws, mostly named after the screw diameter
Pre-dryer:	Pre -drying material, remove part of the water first
Flaking Machine:	The puffed ball made by it, after the squeezing effect of the crusher, becomes a thin piece like corn tablet.
Oven:	Cook the biscuits.
Hoister:	Used to transport the corn slices from the oven into the next device. Usually a food -grade PVC upgrade
Baking machine :	Further drying, bake the moisture of corn slices to less than 3%to optimize the taste level, which can

	improve the taste and easy storage
Sugar Spray:	If you need to spray sugar, you need a set of sugar spray system, add the oven, because the sprayed sugar is sugar liquid, the liquid on the surface of the corn tablet, you need to dry it with the oven at high temperature
Packaging machine:	Pack corn flakes breakfast cereal and beautify the product etc.

## The Flow Chart Diagram Of Corn Flakes Breakfast Cereal Production Line :

Our engineer could design the layout drawing according to customer's dimension of the factory for the bread crumbs machines

## The Feature Of Corn Flakes Breakfast Cereal Production Line :

1. Productive: Automated systems for controlled and consistent production on a continuous basis, easy and quick product changeover, automated start up, simple cleaning and maintenance procedures.
2. Flexible Formula: Processing of a wide range of raw materials, such as corn powder etc;
3. Widely Application: Easy adaptation to extend the range of products by changing the segments screw;
4. Smart Control System: PLC Control of production to ensure optimized process parameters for each recipe;
5. Advanced Die and Cutting system: This designs give processors an entirely new set of templates to create innovative shapes of biscuits.
6. Automatic lubrication system can lower down power consumption and prolong the life.

## The Line Parameter Of Corn Flakes Breakfast Cereal Production Line :

Model	Installed Power	Power Consumption	Output (kg/h)	Size(L*W*H)
LY65 processing line	140kw	90kw	120-150kg/h	39000*1200*2200mm
LY70 processing line	160kw	120kw	180-220kg/h	41000*1500*2200mm
LY85 processing line	190kw	140kw	300-500kg/h	43000*3500*4300mm
LY90 processing line	240kw	190kw	800-1000kg/h	65000*5000*4300mm

## The Applications Of Corn Flakes Breakfast Cereal Production Line :

Corn Flakes/ Breakfast Cereals are a kind of breakfast with high nutritional value. They usually use corn powder and other cereals as main raw material, through mixing, extruding, flaking, drying, baking, coating and cooling, to get crispy flakes. It always applied to breakfast cereal mixed with milk or coffee. But it can also be a kind of leisure snacks. This process line can also make other shapes of cereals such as rings, balls, chocos and curls etc.