

What is extrusion process in food?

What is extrusion equipment?

The application of the extrusion process?

The advantages of the extrusion process?

With the continuous improvement of people's living standard and the continuous change of diet structure, the food processing industry has changed very much accordingly, and manufacturers can only meet the growing demand of consumers by continuously improving the production process. In the modern food processing industry, the extrusion process is a great invention.

The food extrusion process can produce various types of food, and each food has a unique taste, much liked by consumers. So what exactly is the food extrusion process?

What is extrusion process in food?

The food extrusion process is an advanced process in the modern food processing industry. Extruded foods refer to foods made from grains and oilseeds by an extrusion process, which can be divided into two types: puffed and non-puffed.

The extrusion process refers to a processing method in which materials pass through the action between the extruder barrel and screw while being plasticized by heat, pushed forward by the screw, and continuously passing through the die to make various cross-sectional products or semi-products.

The extrusion process is mainly reflected in various types of extrusion equipment. The high-quality extrusion equipment will use the most advanced extrusion technology to provide the greatest help for the manufacturer's production and

processing.



What

is extrusion equipment?

Extrusion equipment is mainly used in the extrusion process, which is the process of mixing, crushing, cooking, sterilizing, molding, and partial dehydration of cereal materials and ingredients, all in one machine.

Today, extrusion equipment is divided into single-screw extruders and twin-screw extruders. Single-screw extruders are simple in structure and low in price; twin-screws are complex in structure and high in price. But twin-screw extruder output, extrusion speed, low energy consumption per unit of output, while the single-screw performance is a little worse, in general, the twin-screw extruder is still more superior.

Using extrusion equipment, you can process and produce a variety of food products, such as

1. macaroni
2. Snack foods
3. ready-to-eat food

4. Full fat soybean flour
5. blended foods
6. Tissue vegetable protein

Many of the foods we eat every day are made using the extrusion process, and it can be said that the extrusion process is a great invention that provides a lot of convenience for our lives.

So what are the advantages of the extrusion process?

1.Extrusion process compared to the traditional cereal processing methods, reducing the type of equipment, the number, and occupancy area.

2.Less investment, low production costs, and only about 40% of the traditional method when using twin-screw extruder production.

3.Can produce various product shapes that are difficult to form by other processing methods, expanding the variety of food products.

4.The cooking process of extrusion can make the starch paste, protein denaturation, food digestibility, and fast food, destroy most of the anti-nutritional factors and toxic ingredients in raw materials, and effectively sterilize and remove bad taste in raw materials.

5.Can retain most of the nutrition of raw materials.



The use of extrusion technology to process new foods with high efficiency, energy-saving, rich nutrition, diversified flavors, delicious flavors, and convenient eating has become the development focus of the modern food processing industry for a long time in the future. In the modern food processing industry, manufacturers only need to break through the bottleneck and use the extrusion process to produce higher-quality food to gain a broader market.

In this process, the performance of extrusion equipment is very critical and will largely affect the quality of the manufacturer's products.

Food Extruder Machine is a new type of equipment used by many well-known companies. It uses the most advanced extrusion process, and the performance is very superior, can produce a variety of different types of food products. **Food Extruder**

Machine has stable quality, simple operation, convenient maintenance, and high-cost performance. It can also be customized according to the needs of the manufacturers and the power of the equipment to meet the different needs of manufacturers, helping them to obtain a broader market with a more simple and efficient production method.

If you also understand the superiority of the extrusion process and want to use more professional equipment in production, welcome to contact us. We will provide you with maximum help, looking forward to win-win cooperation with you!