## Do you know freeze-dried vacuum food?

## **Detail Introduction:**

You can see all kinds of freeze-dried foods in the European, American, and Japanese markets. These by vacuum freeze-drying technology. Vacuum freeze-drying technology is a high-tech dehydration technology that protects the color, freshness, and quality of food and medicine. Freeze-dried and dehydrated vertuits, meat, aquatic products, seasonings, etc., in addition to being used in aerospace, military supplemountaineering, tourism, exploration, mining, and other industries, have now entered restaurants at homes. From the general development trend, the energy consumption of equipment is getting lower lower, and the production cycle is getting shorter and shorter. The price of freeze-dried food in the international market is 4-6 times that of hot air-dried dehydrated food, and it is becoming a hot committee international trade.

Freeze-dried food is made by quickly freezing fresh food and then sending it into a vacuum container dehydration. Under vacuum conditions, the water is lifted from solid ice to gas so that the material is dehydrated and dried. Food made by a freeze-drying process not only has perfect color, aroma, taste shape but also preserves nutrients such as vitamins and proteins in food.

After the freeze-dried food is sealed and packaged, it can be stored, transported, and sold at room temperature for a long time without deterioration within three to five years. Since freeze-dried food I water content of 5%, it is of good quality and lightweight, which can greatly reduce its operating costs production of vacuum freeze-dried food, there are generally processes such as material selection, cle cutting, blanching, and sterilization. Radiation heating is generally used.

Freeze-dried food is porous, and the tissue surface is 100 to 150 times larger than the original, so the of contact with oxygen increases. It should be carried out in a nitrogen environment when returning pressure from low temperature and low pressure. Crushing and packaging should be carried out at a humidity of 30-40% and a temperature below 25°C. To keep the moisture content of dried food below desiccant should be placed in the package to absorb trace moisture. Packaging materials with poor a permeability, high density, and deep color should be selected.