

# How do you make pellet feed?

**Feed Production Line is specially designed for making various kinds of feeds, which can be used for processing livestock, poultry, and aquatic feed pellets, especially for large feed mills and farms.**

Pellet feed is one of compound feed products, a pelleted feed made from a full-price mix or a single feed (pasture, meal, etc.), shaped by extrusion. It is usually cylindrical in shape and comes in various sizes depending on the type of animal to be fed. **How do you make pellet feed?**

[Feed Production Line](#) is specially designed for making various kinds of feeds, which can be used for processing livestock, poultry, and aquatic feed pellets, especially for large feed mills and farms. It has good versatility of raw materials and can be used for pellet making of many kinds of raw materials, such as corn, wheat, beans, oil seed meal, and other raw materials. Moreover, this animal feed production line has the features of low energy consumption, high production efficiency, and rich profit.



In the process of using a feed pellet making machine, in order to ensure the molding rate of pellets, the following issues should be noted.

## **1, Control the humidity of pellet raw materials**

First of all, the humidity of the pellet machine making pellet raw materials should be between 10-15%, and the maximum can not exceed 20%. Otherwise, the pellet is not easy to shape if the humidity is too small or too large.

## **2, Control the content of crude fiber materials**

Appropriate crude fiber content (3%~5%) of crude fiber is conducive to the bonding of pellets, reducing the pulverization rate of pellets and increasing the pelleting output. However, when the crude fiber content exceeds 10%, it will affect the hardness and forming rate of the granule because of poor bonding, increase mechanical wear and tear, and reduce the output of the small feed pellet mill.

## **3, pay attention to the starch content**

Cereals with high starch content, easy to make pellets at high temperature and high moisture, and high yield, which requires tempering moisture between 16% and 18%, tempering temperature should be above 80 °. Otherwise, it will produce brittle granules because of poor starch pasting and even can not be formed. If the grain has been cooked before tempering, the output of a small feed pellet mill decreases. Therefore, it is better not to choose drying when purchasing raw materials.

## **4?Control the material moisture**

If the moisture content of the material is too high, reduce the amount of steam added during pelleting, which will affect the increase of the pelleting temperature, thereby affecting the output and quality of pellet feed. At the same time, the moisture of the material is too high, tempering difficulties and easy to cause the material in the die wall and the pressure roller between the slip, resulting in blockage of the die hole. It is generally required that the moisture content of the material before quenching and tempering should be below 13%.

## **5?Add a small amount of grease**

Add a small amount of grease (0.5% ~ 1%), which is conducive to reducing the pellet machine parts' wear and tear, making the particles easy to pass the die and improving the granulation yield. However, adding more than 2% will make the pellets loose and difficult to form. Therefore, when adding high doses of grease, it is advisable to add 30% of the full amount at the mixer and 70% of the full amount at the pelletizer.

As long as you pay attention to the above points, you will not worry about the output of the feed pellet mill when using the feed pellet mill. Next, take a look at the production process of the feed production line and its characteristics.



### **Feed pellet processing technology:**

Raw materials ? feed grinding ? feed mixing ? feed pelleting ? pellet cooling ? pellet crushing ? sieving and grading ? pellet packaging.

### **Feed pellet machine flow chart:**

Mixer ? screw conveyor ? twin-screw extruder ? air conveyor ? dryer ? elevator ? seasoning drum oiling machine ? cooling machine ? packaging machine

### **Features of Feed Production Line:**

- 1?The whole production line is fully automated with high flexibility and adjustable speed.
- 2?High temperature and high pressure can kill Salmonella and bacterial infection.
- 3?Good quality, easy to clean, lower manpower requirement, and lower time cost.
- 4?The production line adopts advanced international technology, the particle size is very uniform.
- 5?Adjusting the tool speed and die can get products with different diameters and lengths.

The feed pellet machine is mainly composed of a raw material processing system, an extrusion system, a drying system, a seasoning composition system, and a control system. It has high stability and high automation performance. It provides the possibility to control the final product's texture by controlling the expansion of the extruder by various means.