

How do you make pellet feed?

Detail Introduction :

Particle feed is one of the compounds of the feed product, is a granular feed made of a full price mixture of single feed (pasture, cake, etc.). Which is extruded. Usually cylindrical, there are various sizes depending on the type of feeding animal.

How do you make pellet feed?

Feed Production Line is dedicated to manufacturing various feed equipment. Which can be used for processing animals, poultry, and aquatic feed granules, especially for large feed mills, farms. Has good material versatility, can be applied to granulation of various raw materials. Such as corn, wheat, bean meal, etc. Moreover, the animal feed production line has a low energy consumption, high production efficiency and high profit.



In the process of using the feed particle making machine, in order to ensure the formation rate of the particles, you should pay attention to the following problems.

1, grasp the humidity of the particulate material

First, the particulate mechanism is between 10-15%. And the maximum moisture is too small or too large, the particles are not easily formed.

2, control the content of crude fiber materials

Appropriate crude fiber content (3% to 5%) of crude fibers, facilitating the bonding of particles, reducing the powder of particles, and improving granulation yield. However, when the coarse fiber content exceeds the hardness and forming rate of the particles will be affected by the adhesiveness difference, increasing

mechanical wear, reducing the yield of the small feed particles.

3, pay attention to the starch content

The cereal starch content is high, it is easy to granulate at high temperatures and high water. And the starch content is also high. At this time, the massaged water is required between 16% to 18%. And the temperature should be 80 ° C. Otherwise it will be due to starch. The degree difference is caused by big particles, and even cannot be formed. If the gradient is already prepared before the injection, the small particles are decreased. So, when purchasing raw materials, it is better to dry.

4, control the water moisture

The material moisture content is too high, and the amount of steam is reduced during granulation, and the increase in granulation temperature, thereby affecting the yield and quality of the particulate feed. At the same time, the water is too high, the injection is difficult and easy to cause the material to slip between the inner wall and the pressure roller, resulting in a mold hole clogging, generally requiring the material moisture content in front of the injection to 13% or less.

5, increase a small amount of grease

Add a small amount of oil (0.5% to 1%), which is advantageous to reduce the wear of the particulate machine components and make the particles easy to pass the mold to improve the granulation yield. However, if the amount of addition is more than 2%, the particles will be loose. And it is difficult to form. Therefore, if the high dose grease is added, the total amount of 30% is added at the mixer. And the granulator is stopped for 70%.

As long as you pay attention to the above problems, you will not worry about the production problem of the feed pellet machine when you use the feed pellet machine. Next, take a look at the production process of the feed production line and its characteristics.



Feed particle processing technology:

Raw materials Feed grinding Feed mix feed granulation particle cooling particle break Screening packaging

Feed pellet machine flow chart:

Mixer Spiral Conveyor Double Screw Extruder Air Flow Conveyor Dryer Elevator Seasoning Machine Cooling Machine Packaging Machine

Feed Production Line Features:

- 1, The whole production line is fully automated, the flexibility is high, and the speed is adjustable.
- 2, high temperature high pressure can kill Salmonella and bacterial infection.
- 3, good quality, easy cleaning, lower human demand, lower time cost.
- 4, the production line adopts international advanced technology, the particle size is very uniform.
- 5, Adjust the tool speed and mold to obtain different diameters and lengths.

Feed granules mainly consist of raw material treatment systems, extrusion systems, drying systems, seasoning composition systems and control systems. With high stability and high automation performance. To control the texture of the final product by controlling the expansion of extruders through various parameters. Provided.