

Feed pellet production line

The complete set of feed pellet mill is a commonly used feed processing equipment in the farming industry, which can provide convenient and efficient feed supply for the animal husbandry industry; the feed pellet mill can process all kinds of feed materials into uniform size and shape of granules. This processing method can make the feed easier to store, transport and feed, but also can improve the utilization rate of feed and animal digestibility. The process includes raw material preparation, crushing, mixing, pelletizing, cooling, drying, screening and packaging. Each of these is described in detail below.

The specific workflow is as follows:

Raw material mixer -- Raw material grinder -- Wet Twin Screw Extruder Machine -- pneumatic conveyor -- Automatic dryer -- Cooling tower - Drum seasoning machine (can be equipped with oil spraying machine) - Packing machine

1.Raw material mixer

The Raw material mixer is used for mixing the ingredients, you can mix the rich ingredients well, you can also add a variety of nutrients, so that the nutrition is more balanced.



2.Raw material grinder

The Raw material grinder are used to grind solid raw materials into smaller particles. They are particularly suitable for pulverizing grains, seeds and other hard materials into a homogeneous powder suitable for granulation. Makes subsequent granulation easier.



3.Feed Pellet Machine

Feed pellet machine is an important step in producing pellet feed, processing raw materials and producing qualified feed pellets.



4.pneumatic conveyor

The air conveyor can transport the finished pellets to the dryer in an enclosed and pollution-free environment, making the pellets safer.



5. Automatic dryer

Box dryer drying uniform, fast, high efficiency, and the material is not easy to stick, can realize automatic temperature control, automatic moisture removal, can make the drying material to maintain a better form, to maintain the color and shape of the drying material, improve the quality of the product.



6. Cooling tower

The Cooling tower the high temperature and high humidity particles, the hot air contacts with the hot material and the cold air contacts with the cold product, avoiding the direct contact between the cold air and the hot material, resulting in sudden cold causing cracks on the surface of the particles. The air outlet adopts the design of large air outlet, rapid cooling, four directions are equipped with observation port to facilitate the observation of the situation in the warehouse.



7. Drum seasoning machine

The equipment is made of stainless steel, which makes the work of feed seasoning convenient, and truly realizes fully automated production, saves time and effort, and flavors the tasteless feed to help animals better eat and absorb.



8.oil spraying machine

This assembly applies cooking oil to the pellets to improve palatability and prevent dusting during processing. The oiling process is typically controlled to apply a precise amount of oil to each pellet.



9.Packing machine

The packer is responsible for packaging the finished feed into bags or other containers. It ensures that the feed is well sealed to maintain freshness and protects it from environmental factors during transportation and storage.



Advantages of feed pellet production line

1. fine processing: feed pellet processing line can process the feed into a more detailed condition, which improves the utilization rate of feed and reduces the waste of feed.
2. uniform mixing: in the process of feed pellet processing, through the operation of the mixing system, can realize the uniform mixing of feed, improve the quality of feed.
3. Improve the level: the use of feed pellet processing line can realize the automated production of feed processing, overcoming the traditional feed processing line has problems, such as low productivity, unstable quality and so on.
4. Enhance market competitiveness: the quality of processed feed pellets is stable and meets the standards of consumer demand and livestock breeding industry, which enhances market competitiveness.
5. The equipment can effectively reduce labor costs, belonging to a one-time investment, long-term income.



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