What Is The Significance Of The Main Process Of Pet Feed Production Line?

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1.The Need For Energy Consumption Analysis And Energy-Saving Technology Research In The Main Processes Of Pet Feed Production

1.1 Research on the necessity of energy consumption analysis from the target level of pet feed production

In the process of pet feed production, because the granular feed can better mix the powdered feed, it has a higher value. In the process of pelletized feed production, the feed production industry, which is a major energy consumer, wants to develop healthily and sustainably. In the process of pet feed production, it is necessary to summarize and analyze the parts with the most energy consumption in each process of pet feed production. Ensure that the pet feed production process can be carried out efficiently. Specifically. As a production process that consumes too much energy, the corresponding production process should analyze and summarize the specific processing methods to improve energy utilization efficiency and meet the actual needs of feed production.

1.2 Research on the necessity of energy consumption analysis from the process level of pet feed production

(1) Conducting research at the level of pet feed production process, especially in pet feed production enterprises, to analyze the energy consumption at the production process level that consumes too much energy, so that the impact of energy-saving technology can be carried out from the level of reducing energy consumption and control is well The entire feed production process. At the same time, in the process of feed production, the energy resources consumed are mainly concentrated in the pelletizing equipment and mixing equipment. If you do not pay attention to the energy consumption control of the feed production process, it is likely to cause up to 70% of the equipment resources Energy waste. In response to this situation, in the energy analysis process of the pet feed process, it is necessary to pay full attention to the reasons for the energy consumption problem, and come up with corresponding solutions for energy-saving technology applications to improve the resource utilization efficiency of the feed production process ?

(2) By carrying out energy consumption analysis in the production process, analysis and research from the particle preparation and crushing sections will help in the process of energy resource control, fully improve energy utilization efficiency, and effectively ensure the smooth completion of the entire process . In this context, in the process of energy analysis and research in the production process and the application of energy-saving technology, analysis and research should be carried out in two stages, and corresponding energy-saving measures should be taken out to improve the production efficiency of pet feed. The application effect of energy-saving technology is shown.

2.Choose Suitable Energy-Saving Technology Based On Energy Consumption Analysis Of The Main Processes Of Pet Feed Production

2.1 Energy-Saving Technology Applied To The Crushing Process

In the energy consumption analysis of the crushing process of pet feed processing, advanced energy-saving technologies can be used to improve the processing efficiency of pet feed processing and reduce the energy consumption in the processing process.

Specifically, in the crushing section, the following energy-saving technologies can be used: First, from the selection process of the crushing process, the optimal crushing process can be selected, and the secondary crushing process can be selected, so that the traditional production process can be changed. However, the energy consumption problem of the different characteristics of feed raw materials can save nearly 50% of the energy resources compared with the traditional crushing process through the use of this method. Second, the research on the crushing strength has passed The investigation of the digestion ability of the farmed animals shows that the crushing effect can be exerted from the crushing strength without the need of crushing to the traditional strength; third, through the use of automatic control in the process of crushing production Technology can solve the existing crushing problems in a timely and effective manner, and then exert the effect of energy saving.

2.2 Energy-Saving Technology Applied To Particle Preparation

In the process of preparing feed pellets, it is necessary to fully consider that in the energy consumption analysis and energy-saving technology research process of the feed process, it is necessary to apply energy-saving technology from the important production stage of pellet preparation to reduce the cost of pellet production. Energy consumption efficiency.

1	In the process of technological transformation of pellet production, new energy control technology methods should be adopted to optimize the design of the pellet manufacturing process, and in the pellet production process, through the establishment of resource recycling equipment to ensure that the production process can be Make full use of advanced energy technology to ensure the smooth completion of the production process;
2	It is necessary to realize the optimal design of the automatic control system of the particle preparation system as much as possible, and in the subsequent research process, according to the solution of the blockage problem of the automatic production process of the particle preparation system, the particle preparation production process is successfully completed;
3	In the process of preparing feed pellets, it is necessary to pay full attention to the adjustment of the process parameters of the pellet production system to promote the smooth completion of the feed pellet production process;
4	In the design process of the cooling system and steam system of the feed production process, it is necessary to adjust the parameters of the cooling system and the steam system specifications to optimize the control of the existing cooling system and steam system, which can effectively reduce the feed The production energy consumption of the pellet preparation process exerts the due energy-saving technology application effect.

To sum up, in the process of energy consumption analysis and energy-saving technology research in the main processes of pet feed production, in order to ensure that the resource utilization efficiency of pet feed production is effectively improved, it is necessary to analyze each link in the pet feed processing process and take The specific timing and method for the application of energy-saving technology are presented.