

Feed quality control



The progress of China's aquaculture industry has promoted the steady growth of the aquaculture industry. In 2012, the national aquaculture production was 43.05 million tons, an increase of 7% year-on-year. Aquaculture production accounted for 70% of the world's total production, ranking first in the world for 26 consecutive years; The output of compound feed reached 18.83 million tons, a year-on-year increase of 10%. With the increase of the industrial feed penetration rate, the development of aquatic compound feed has broad prospects.

[Microwave drying machine](#)

The shortage of raw materials for aquatic products and the reduction of the area of aquaculture water have made food safety an inevitable reality. While paying attention to the research of aquatic animal nutrition, the aquaculture industry pays attention to the development of new raw material resources, strengthens the quality control of feed processing and improves production efficiency, and achieves safe, sanitary, reliable and efficient production. It is the only way for the healthy development of modern aquatic feed processing industry.

The expanded [pellet feed production line](#) has become the dominant product. The requirements, tasks and contents of quality control will be further expanded, and the application scope of automatic online and real-time automated quality monitoring technology will be further expanded.

The specialization trend of aquatic feed processing technology is highlighted, and feed processing equipment tends to be specialized, large-scale and automated. The comprehensive informationization of feed enterprise activities realizes the digital management of modern enterprise management refinement and lean production.

Establishing a public research and development platform for aquatic nutrition and feed, and a modern aquatic feed processing quality control, equipment management, and production process control expert system are hot spots for future development.

From the perspective of the structure of aquatic feed varieties, according to relevant data, the proportion of pellet feed in aquatic feed in 2012 is relatively large, about 75% of the total amount of aquatic feed (10.32 million tons), and the total amount of expanded feed is close to 2.5 million tons. , accounting for about 10% of the total freshwater fish stock. Among them, the extruded feed is mainly concentrated in high-grade and special-grade varieties, accounting for 73% of special breeding species other than shrimp and alfalfa feed.

The development trend in recent years shows that the expanded feed is expanding from the special cultured species to the common cultured species, from the coastal areas to the inland areas, and the use of expanded feed tends to grow rapidly.