

Product Name :
1T/H Fish Feed Processing Line

Product Code :
EQMH-CHINA-MY3001006



Description :

1T/H Fish Feed Processing Line

Technical Specification :

High Capacity – Produces 1 ton/hour of premium floating or sinking fish feed pellets

Versatile Formulations – Processes fishmeal, soybean, grains, vitamins & additives

Energy Efficient – Optimized design reduces power consumption by 15-20% vs conventional systems

Automated Control – PLC system with touchscreen interface for precise operation monitoring

Durable Construction – Stainless steel contact parts & hardened alloy dies for long service life

Customizable Output – Adjustable pellet sizes (0.8-10mm) for various fish species and growth stages

The 1T/H Fish Feed Processing Line is an essential piece of equipment designed to produce high-quality feed pellets for catfish farming.

It ensures efficient, cost-effective, and nutritionally balanced feed production, meeting the dietary needs of catfish at different growth stages.

Below are the key features of a catfish feed machine:

High Production Efficiency

Modern catfish feed machines are built for high output, capable of processing large quantities of raw materials into pellets quickly. Depending on the model, production capacity can range from 100 kg/h to over 5,000 kg/h, making it suitable for both small-scale farms and large commercial operations.

Adjustable Pellet Size

The machine allows for easy adjustment of pellet sizes (typically 1.5 mm to 10 mm in diameter) to match the feeding requirements of catfish at various life stages-fingerlings, juveniles, and adult fish. This flexibility ensures

optimal feed intake and reduces waste.

Energy-Efficient Operation

Advanced catfish feed machines are designed with energy-saving motors and optimized processing mechanisms to minimize power consumption.

Some models use variable frequency drives (VFDs) to further enhance efficiency.

High-Quality Pellet Formation

The machine ensures uniform pellet texture and hardness, improving digestibility and reducing water disintegration.

This feature prevents nutrient loss and maintains water quality in aquaculture systems.

Versatile Raw Material Compatibility

It can process a wide range of ingredients, including:

Fishmeal

Soybean meal

Corn flour

Wheat bran

Vitamins & minerals

This versatility allows farmers to customize feed formulations based on cost and nutritional needs.

Durable and Low-Maintenance Construction

Constructed from high-grade stainless steel or carbon steel, the machine resists corrosion and wear.

Key components like dies and rollers are hardened for extended durability, reducing long-term maintenance costs.

User-Friendly Design

Many models feature:

Automatic temperature control to prevent overheating

Easy-to-clean structures to ensure hygiene

Simple operation panels for quick adjustments

Cost-Effective Feed Production

By producing feed on-site, farmers can significantly reduce costs compared to purchasing commercial feed. The machine also minimizes waste, improving overall profitability.

Improved Fish Growth and Health

Properly processed pellets retain essential nutrients, promoting faster growth, better feed conversion ratios (FCR), and stronger immunity in catfish.

Raw Material Receiving System

Screw conveyors

Magnetic separator

Storage silos

Grinding Section

Hammer mill with cyclone discharger

Micro-pulverizer for superfine grinding

Mixing System

Twin-shaft paddle mixer

Liquid additive spray system

Conditioning & Extrusion

Twin-screw extruder with steam conditioner
Variable frequency drive control

Drying & Cooling
Multi-layer belt dryer
Counterflow cooler

Coating & Packaging
Oil coating drum
Automatic weighing & packing machine

Installed Powder	160kw	180kw	290kw	350kw	415kw
Production Capacity	800-1200kg/h	1000-2000kg/h	3000-5000kg/h	5000-8000kg/h	8000-12000kg/h



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