

Product Name :
Floating Fish Feed Machinery

Product Code :
EQMH-CHINA-MY3001075



Description :

Floating Fish Feed Machinery

Technical Specification :

Flow chart: flour mixing-screw conveying-extruding-sifting-air conveying-drying-flavoring-packaging.

Raw materials: corn flour, rice flour, wheat flour, fish bone meal, chicken powder, glycerol etc.

Voltage: normally 380v, 50hz, 3 phase, also can customize as client's local voltage.

Adopt Siemens motor, prolong the machines usage life.

Siemens PLC and touch screen make the line more easier to operate, the fault will display on the screen directly, no need to check the machine one by one.

Raw Material Handling Unit

Pre-Mixer System

Blends protein sources (fishmeal, soybean meal) with carbohydrates (wheat, corn)

Liquid additive injection (oils, vitamins, binders)

Conditioning Chamber

Steam hydration (25-35% moisture)

Pre-gelatinization for improved starch digestibility

Twin-Screw Extruder (Core Component)

Five-Zone Temperature Control

Specialized Screw Configuration

High-shear kneading blocks for uniform texture

Venting zone for steam release

Expansion & Drying System
Post-Extrusion Expander
Creates porous structure (300-500g/L density)
Multi-Tier Dryer
Reduces moisture to 8-10%
Oil Coating Drum
Applies 3-8% lipid coating

Pellet Processing
Variable-Speed Cutter
Adjustable pellet length (1-12mm)
Cooling Conveyor
Ambient air cooling

| Zone | Temperature | Function |
|---------|-------------|-----------------------|
| Feed | 30-50°C | Material intake |
| Mixing | 80-100°C | Protein denaturation |
| Cooking | 110-140°C | Starch gelatinization |
| Melting | 90-120°C | Lipid integration |
| Die | 70-90°C | Pellet formation |



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