Pet Food Suppliers Operation Fish Feed Extruder Machine For Sale

The material enters the dog food production machine, and the screw pushes the material to form an axial movement. Due to the mechanical friction between the screw and the material, the material and the barrel, and the inside of the material, the material is strongly squeezed, stirred, and sheared, and the material is further refined and homogenized. With the gradual increase of pressure, the temperature rises accordingly. Under the conditions of high temperature, high pressure and high shear, the physical properties of the material change.

When the paste material is ejected from the die hole, under the action of a strong pressure difference, the material is puffed, dehydrated, and cooled. The structure of the puffed product is loose, porous, and crisp, with good palatability and flavor.

ANALYSIS OF THE REASONS FOR THE INFLUENCE OF PET FOOD MANUFACTURING EQUIPMENT PROCESSING QUALITY

	Influence link	**Critical control point**	**Specificfactor**
Extruded pet food processing quality **control**	Raw materials recipt	Physical and chemical properties of raw materials Material pretreatment Formula ingredients	Raw material expansion coefficient Remove impurities Starch, fat, crude fiber value
	Process equipment	Machine structure principle Process equipment configuration Extrusion die hole parameters	Aspect ratio Crushing, screening, drying, spraying Die hole structure, die hole area
	Extruders operation	Water and steam addition Output screw speed Temperature and pressure control	Product particle diameter, appearance color Filling degree, residence time control Gelatinization degree, puffing degree control
	Others	Novice operation Equipment wear	Pre-job training Maintain screw barrel

			and mold

THE WEIGHT RATIO OF MAIN LINKS AFFECTING THE QUALITY OF FEED PROCESSING

WATER AND STEAM PRESSURE SETTINGS OF FISH FEED MAKING MACHINE

1. Water supply pressure:	
?	Conditioner: 0.4Mpa.
?	Expansion chamber: 0.4Mpa.
?	Interlayer of puffing cavity: 0.4Mpa.
2. Steam pressure:	
?	Conditioner: 0.20?0.25Mpa
?	Expansion chamber: 0.50?0.60Mpa
?	Interlayer of puffing cavity: 0.50?0.60Mpa

RELATIONSHIP BETWEEN THE OUTPUT OF THE FLOATING FISH FEED MACHINE AND THE DIE

CALCULATION OF DIE HOLE AREA OF FLOATING FISH FEED EXTRUDER

Relationship between opening area and output

Floating aquatic puffing material:

200~250mm2/per ton hour output (varies according to formula changes)

Sinking fish feed materials:

550~600mm2/per ton hour output (varies according to formula changes)