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Diesel engine fish feed pellet making machine

Model	DSP40D	DGP50D	DGP60D	DGP70D	DGP80D
Capacity	30-40Kg/h	60-80Kg/h	100-120Kg/h	180-200 kg/h	200-300 kg/h
Diesel engine	12Hp	18Hp	22Hp	28Hp	32Hp
Feeder power	0.4Kw single phase	0.4Kw single phase	0.4Kw single phase	0.6Kw single phase	0.8Kw single phase
Cutter power	0.4Kw single phase	0.4Kw single phase	0.4Kw single phase	0.4Kw single phase	0.6Kw single phase
Φ of screw	Φ40 mm	Φ50 mm	Φ60 mm	Φ70 mm	Φ80 mm
Ingredient moisture	20-25%	20-25%	20-25%	20-25%	20-25%
Ingredient size	0.18-0.25mm	0.18-0.25mm	0.18-0.25mm	0.18-0.25mm	0.18-0.25mm
Final feed moisture	15-20%	15-20%	15-20%	15-20%	15-20%
Final feed diameter	0.8-12mm	0.8-12mm	0.8-12mm	0.8-12mm	0.8-12mm
Machine size	1400x1250x1200mm	1600x1470x1200mm	1650x1500x1200mm	2100x1500x1250mm	2150x1550x1300mm
Weight	360 Kg	450 Kg	495 Kg	740 Kg	800 Kg




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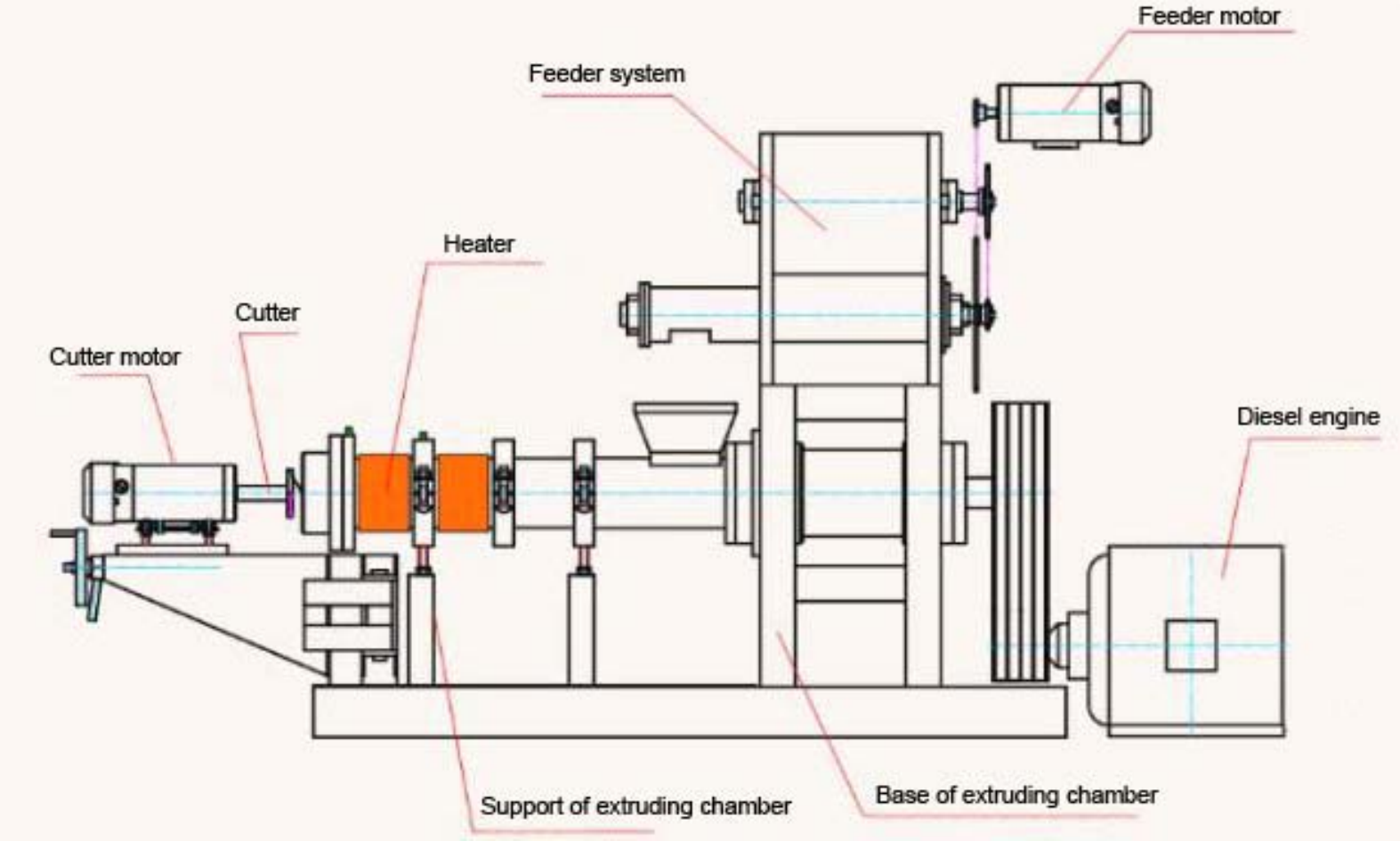



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II. Introduction

Extrusion is a process of cook the mixed ingredients under certain temperature, moisture and pressure. During the fish extruder working, the temperature in the extruding chamber is 100-120℃ due to the electrical heater. The high temperature can kill bacteria and pathogen during machine running. In the panel of the extruder machine there is a temperature indicator, once it reaches the set temperature, it will stop heating automatically by the reaction of thermocouple. During the high temperature ripening process, the starch and fiber of the raw material become swell. Then under the pressure-tight condition, material will be formed into pellets by shaping mold. At the end of the main shaft there us a cutter to cut the pellets to certain length.

The transmission of this machine is a diesel engine, which give power to the main shaft by V-belt and belt pulley. Equip the diesel engine can solve the problem of electricity shortage and electricity not stable. Even there is no electricity, can still use this machine to make fish feed pellets.



1. Composed of feeding system, extruding system, cutting system, controlling system.

2. Auto-temperature control system, make the temperature controlling more direct viewing and the parameter more precise.

3. Combined main shaft can adapt a variety of materials

4. Screw barrel are designed optimized to get longer service life lower production cost.

5. Cutting system adopts advanced frequency conversion and speed-adjusting system of sophisticated structure, and viscolizeing granules, the size is adjustable.



Fish Feed Pellets: To Sink or to Float?

Commercial fish diets can be classified into floating (extruded) or traditional sinking (pressure-pelleted) pellets. Both floating and sinking feed can produce satisfactory growth, but some fish species prefer floating, others sinking. There are both pros and cons both in the two types of pellets. However, the use of floating pellets provides more advantages compared to sinking ones:

1. Reduce Waste. Sinking pellets that remain at the bottom of the tank will often get lost and wasted. However, the floating feed pellets can retain its shape, even after being in the water for many hours, uneaten feed are still intact.
2. Decrease Disease. Sinking pellets that remain at the bottom of the tank will eventually rot, which may give rise to proliferation of bacteria and spreading of harmful fish disease.
3. Convenient Observation. Another reason to feed floating (extruded) pellets because the farmers can directly observe the feeding intensity of his fish and adjust feeding rates accordingly. Determining whether feeding rates are too low or too high is important in maximizing fish growth and feed use efficiency. However, sinking pellets will fall into the bottom of the tank, even fish can not find them.

III. Spare parts

Spare parts for fish feed pellets extruder is: mold, screw, screw turnbuckle, cutter

We will send you one set of spare parts, it include: three molds, two screw, two wearing sleeve, one cutter. Because when only ship the spare parts, the shipping cost will be high, so we would recommend to have some spare parts when you order the machine.



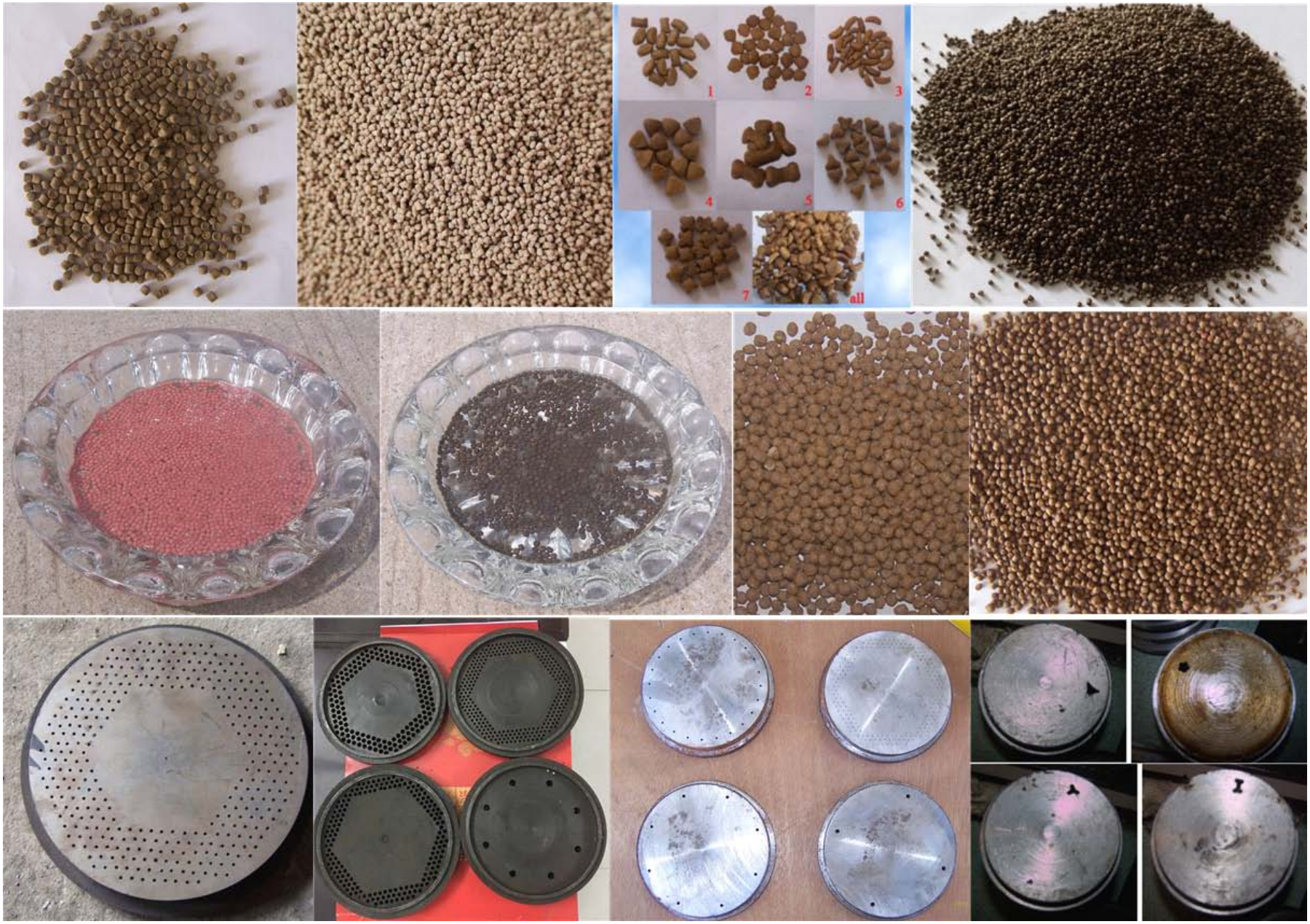
IV. Package & delivery







V. Molds and final pellets



VI. Fish feed pellet line



























