Extruder Fish Feed Plant

Hemaks Extrusion Fish Feed systems are designed to produce most efficient fish feed that you have ever seen. You can produce feed dimensions from 0.5 mm up to 30 mm.

The Raw material feeding from automatic dosing system from the Silos by weight checking electronic control with the best sensitivity.

The milling system is equipped as; pre-mixer - Micronized Grinding Unit between 400 microns to 800 microns, sifter for diverting the parts bigger then wanted and get the best digestion in extruded fish feed.
Hemaks Extrusion Fish Feed systems are designed to produce most efficient fish feed that you have ever seen. You can produce feed dimensions from 0.5 mm up to 30 mm.

The Raw material feeding from automatic dosing system from the Silos by weight checking electronic control with the best sensitivity.

The milling system is equipped as; pre-mixer - Micronized Grinding Unit between 400 microns to 800 microns, sifter for diverting the parts bigger than wanted and get the best digestion in extruded fish feed.
Extruder is designed for, gelatinization of starch, hygienic salmonella-free pellets, reduction of non-digestible foods by our cooking technology, controlled expansion and density, flavor enhancement, balanced protein/lipid complexes, increased digestibility, good texturing and shaping. The most important side of the process, extrusion cooking is done in three stages in the fish feed machine: preconditioning, extrusion cooking and the die(mold) shaping.

The special Sifting system is designed to get the small and big particles in the feed and give you a standard outlet feed.

The drying system special designed high temperature dryer with special anodized covered aluminum and middle of belts are 304 Stainless Steel mesh filter for perfect air circulation. With this special belts, your dryer will have a long time life time and easy to change as partial sections, each feed drying belts is manufactured as 5,5 cm parts so when you have a damage on one area of the belt you can make partial change as 5,5 cm parts. This easy maintain design will reduce your maintenance costs too much.

After the Fish Feed Dryer there is the quality control sifter and packing system with packing silo.

After Fish Feed Dryer there is cooling Silos as 12 hour in 6 hour x 2 pcs or in big capacities 4 hour x 3 pcs. Inside the silos there is sensor to inform the user and there is slow fall S elements to avoid dust in free fall damages.

After the silos the product will enter to the Vacuum Oil Coating System. System is specially developed for Aquafeeds. Extruded pellets have a very porous inner structure. The liquid added is retained within the pores of this internal structure. The object of vacuum coating is to use 500 mbar to 800 mbar pressure differential (pressure will needs to select according to the feed diameter) to force liquids through the outer layer and deeply into the porous area of the pellet in a short time.
After the Vacuum coating there is the quality control sifter and packing system with packing silo.