

# PET FOOD



## Process & Packaging Extruder Plant

### Project Description

**PROJECT TYPE:** Design, management and installation of handling equipment to produce the extrusion plant

**PROJECT VALUE:** £1,500,000 - £2,000,000

**PROJECT MANAGER:** Mr. David Burkitt

**PROJECT DESCRIPTION:** Intake rated at 60TPH of wheat with a bulk density of 750kg/m<sup>3</sup>. The bulk storage bins are designed to hold 50 tonnes of wheat and the weigh boat is designed to batch weigh 1 tonne batches. The mechanical handling systems are designed to handle meals with a bulk density of 560kg/m<sup>3</sup> at a rate of 20TPH. The grinder and burst screen sifting are supported from the floor level and contained within an enclosure to contain the noise. The mixing of the ground batches is in a mixer supported of the floor level. Mechanical transfer systems discharging the mixer rated at 20TPH at 560kg/m<sup>3</sup> of ground meals. There are no fats or oils added at the mixer. Colours and minors ingredients in the form of powders are added through a sack tip directly into the mixer. Extruder complete with loss in weight system, is to operate at 7000kg/hr at 340-380g/l diameter 12mm. The cyclone and mechanical handling equipment suitable for handling extruded products at 7000kg/hr at 340-380g/l diameter 12mm. Fats Coating and Cooler - steel cooler cyclone to handle 18,000 m<sup>3</sup>/hr. Screening and Finished Product. Level Sensors.

