



MATRIX INTERNATIONAL (UK) LTD.

BASIC PROJECT OVERVIEW

Basic list of Operations for Dry Pet Food Manufacture

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1 Abstract

Matrix implemented the software, Electrical and SCADA system for a Dry pet food facility.

2 Machine Assets

- Food grade Extruder
- Oven, Coating, Packaging, Cooling, weighing , seiving, dieing and other process machines
- Various Sensors.
- Temprature control systems, thermocouples et al.

3 Process Function

- Mixing of product in a pre-conditioner - usually to form a dough with oils, fats, vitamins and minearls
- Heating and extruded under pressure, and cut into nibbles.
- Rotational drum- to coat nibbles to extend shelf life and improve taste.
- Packaging.

4 Software Function

- Recipie handling - via a SCADA system
- Maintence reporting - Sensors report state of various critical parts to aid in maitenece process pre-emptively.
- Part Tracking - MES system to ensure a paper trail for batches of product.
- Reporting - for information with respect to how to imporve the system.