



Materials Handling & Process Solutions

At ISF, there is no project too big or too small. With our innovative thinking and can-do attitude, where there is a problem, we will find a solution – the sky is the limit for us. There are countless projects that we have worked on over the years where no two are exactly the same. Take a look at some of our most notable projects to understand a little more about what it is that we do!

Harbro Cooler Fire

Harbro is the nutritional partner of 8000+ farms across the UK, providing innovative, high-quality livestock solutions. Their efforts are centred around improving animal performance through producing feeds for beef, sheep, dairy, pig and poultry. Harbro are devoted to investing in R&D to provide the best nutritional solutions to prevent and reduce on-farm complications.

Following a small cooler fire at the Harbro Birkhill site in Scotland, ISF were contracted to conduct refurbishment operations. There were several restorations that were required including the installation of a replacement Van Aarsen double-decked cooler and transfer conveyors and the renovation of existing fines returns conveyors.

Due to a relatively confined working area, this was a challenging project for



the ISF team. However, Harbro's John Craig was extremely pleased with the ISF installation team and project management. We have even designed to add a new sieve to their system at a later date!

United Feeds Belfast

ISF were asked by United Feeds Belfast to replace a 30 year old prototype Tietjen ADX Grinder with a new state of the art variable speed Tietjen GDX20ex, which gives a varied choices of Grist. The challenge was to design and install



a new system introducing two live bins prior to the Grinder and install this within a very limited access. ISF had agreed a ten day shutdown to remove the existing Grinder system and have the new Grinder up and producing ten days later. The project was designed and all parts including Live bins, elevator, conveyors, steelwork, connection chutes, support brackets and access platforms were all pre-manufactured and delivered by Ferry to Belfast installed by ISF site engineers.

"I just wanted to say thank you to all involved in the grinder installation. All of your employees worked extremely well together during this installation and where more than happy to help and assist during the process. Their knowledge and skills are not to be over looked and considering the size of the project and tight time frame there where very few hiccups at the commissioning stage" – Chris Armstrong, United Feeds Belfast

Micro-weighing Carousel System

ISF supplied a Micro-Weighing Carousel System for a mill in the far north of Scotland.

This customer asked ISF to design a Micro-Weighing System that eliminated the manual handling of ripping and tipping numerous 25kg bags of various products.

The new ten bin system would allow the customer to buy economical big bag quantities of 1000kg instead of the smaller 25kg bags.

The system enables 1000kg bags to be lifted by a hoist to the bin tops, the bags are then placed above a mobile receiving hopper that has an integral filter unit that handles the displacement of air / dust caused by filling the bins. This unit then shakes down the filtered dust back in with the product.

Each of the stainless-steel bins have small screw conveyor Dischargers that feed a common weigh hopper. The weighed quantities are then transferred using a soft flight self-cleaning conveyor.

