



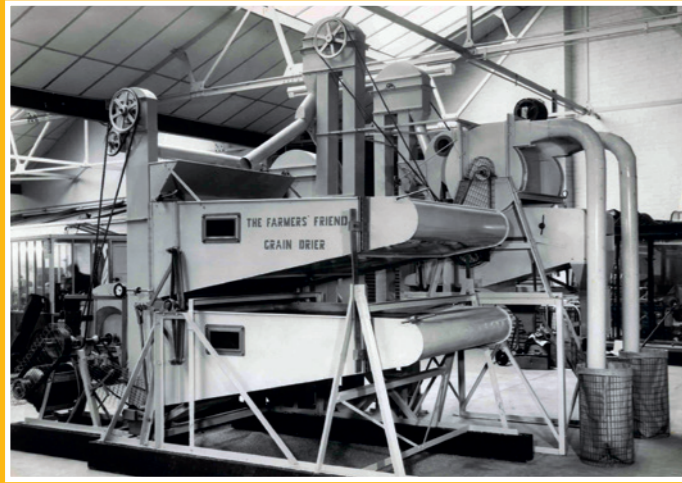
DRIERS | CLEANERS  
COLOUR SORTERS  
CONVEYORS | SILOS  
ELEVATORS



THE UK'S MOST EXPERIENCED  
DESIGNER & MANUFACTURER OF  
GRAIN HANDLING, DRYING & STORAGE SOLUTIONS

# HISTORY

Perry of Oakley Ltd. was founded in 1947 by Tom Perry, a farmer's son, who offered a mobile repair and manufacturing service to local farmers and businesses in the Oakley, Basingstoke area of Hampshire.



Left: An early Perry grain drier  
Above: Perry's first cleaner



Above: State of the art manufacturing at our factory today

Working from home he converted an Austin 12 car into a mobile workshop; the back seat was replaced by a bench and welder. He travelled all over the country, sleeping in a tent if away from home, repairing farm machinery, (tubing traction engine boilers, welding combines & binders) in the field.

In 1949 Tom Perry designed and built our very first belt and bucket elevator with a capacity of 5tph. 1949 also saw the introduction of our first grain cleaners. These early cleaners were equipped with mechanical sieves and aspiration to lift off dust and light rubbish.

During the early 1950s many new farm mechanisation aids were designed by Tom Perry and manufactured in Oakley. These included tractor mounted buck rakes, trailers, dust reduction systems for combine harvesters and jog trough grain conveyors driven by petrol engines or electric motors. These conveyors had capacities of up to 5tph, as capacity requirements increased the first chain and flight conveyors were developed. These conveyors were the fore runners of the conveyors that Perry's currently design and manufacture with capacities up to 800tph.

In 1952 our first factory was built and in 1955 our first continuous flow grain drier was manufactured also with a capacity of 5tph.



Above: 1952 Perry's first factory was built in Oakley measuring 60 x 40 foot



Above: Our modern factory premises in Honiton, Devon UK

To support PERRY'S activities in Africa we have two subsidiary businesses one, PERRY AFRICA Pty Ltd, based in Johannesburg South Africa and one, PERRY EAST AFRICA Ltd, based in Kampala Uganda. These businesses have permanent staff and spare parts and stock machines to provide sales and engineering support for our projects all over Africa.



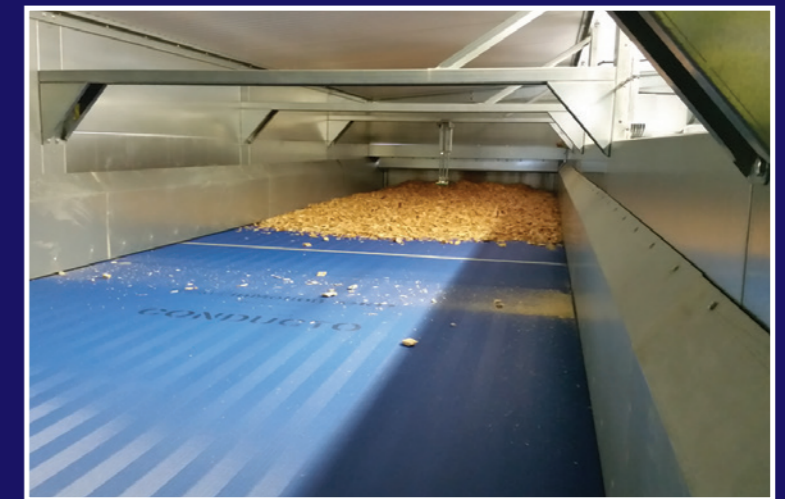
# GRAIN DRIERS



## MIXED FLOW GRAIN DRIERS

- Capacities from 5 to 150 tph
- Fully Galvanised construction for a long life
- Modular can extend later as your project expands
- Pneumatic shutter discharge for reliable even flow of grain
- Mixed flow allows lower fuel consumption & less electrical power needed
- Touch screen PLC with internet for support from PERRY engineers
- Simple crop set up page for ease of operation
- Multi fuel option, Diesel, Kerosene, Parafin, Gas, biomass, hot water or steam
- Optional inverter control for fans
- Dust collection CentriKleens to collect dust and chaff from fans

*Complete turnkey solutions*



## BELT DRIERS

The PERRY belt drier is ideally suited to the drying of non free flowing products such as:

Cassava chips, Alfalfa, wood chips, shavings, grass, herbs etc. It utilises a perforated belt to allow the hot air to pass through the product. It is easy to clean and have very few wearing parts. The fuel source can be diesel, Kerosene or biomass providing hot water or steam.

## PLC DRIER CONTROL PANEL KEY POINTS

Simple operation 12" touch screen.

Over 70 alarms & messages.

Plain language status alerts.

Internet connectivity\* for remote operation via an app or PC.

Designed & programmed in house by our own engineers.

Data logs of all readouts & alarms & drier status.

Automatic moisture control system. This uses temperatures at the top and bottom of the drier to monitor incoming & outgoing moisture changes and control the drier discharge speed accordingly.

Recirculating batch mode included for continuous flow driers - requires an additional empty probe.

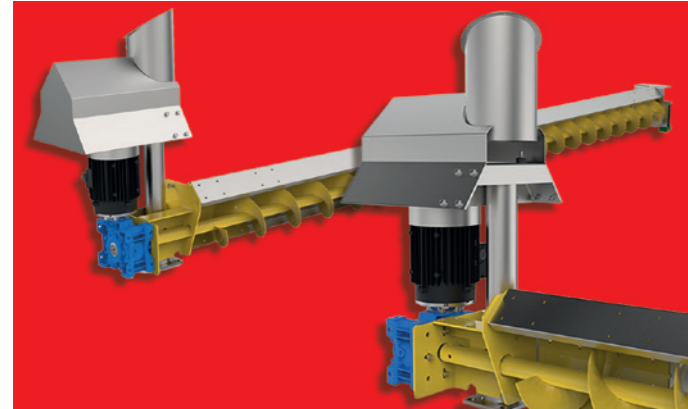


# GRAIN HANDLING

PERRY design and manufacture in house a complete range of mechanical handling equipment with capacities from 20 tph to 1000tph for applications from farm to port including:

Chain & flight conveyors Intake conveyors Bucket elevators Belt conveyors Screw conveyors & augers Valves & pipework

## AGRICULTURAL SWEEP AUGERS



## TWIN TRACE



## U-TROUGH & TUBULAR SCREW CONVEYORS

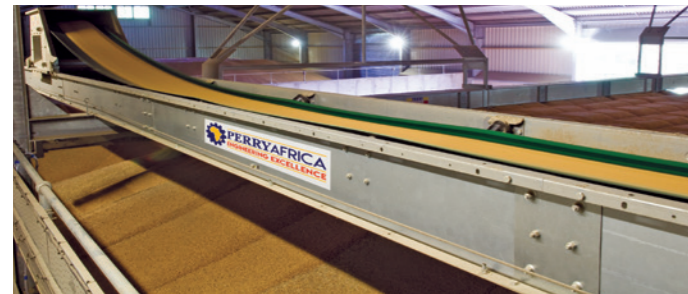


## LEVELLING & TRAVELLING CONVEYORS



*Complete turnkey solutions for your post harvest equipment*

## BELT CONVEYORS



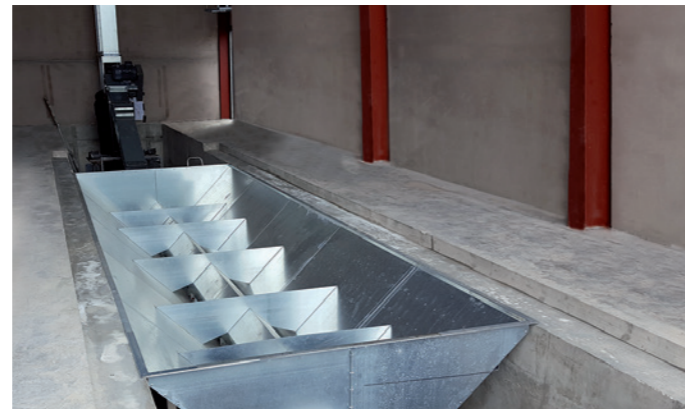
## RECEPTION HOPPER



## SILO AUGER DISCHARGE SYSTEM



## TRENCH INTAKE



# SILOS

Perry's can manufacture & supply a full range of bins & silos, ranging for small application one-tonne tote bins to fully industrial flat & hopper bottom silos.



All of Perry's bins are available in a wide variety of capacities & have options for 45° or 60° hoppers. Each Bin comes with a selection of optional extras which helps ensure the bins are tailored to each application.

The silos are supplied by SiloMasters, whom Perry has teamed up with to ensure the supply, delivery & installation of quality silos, that are backed up by over 50 years of experience within the industry.

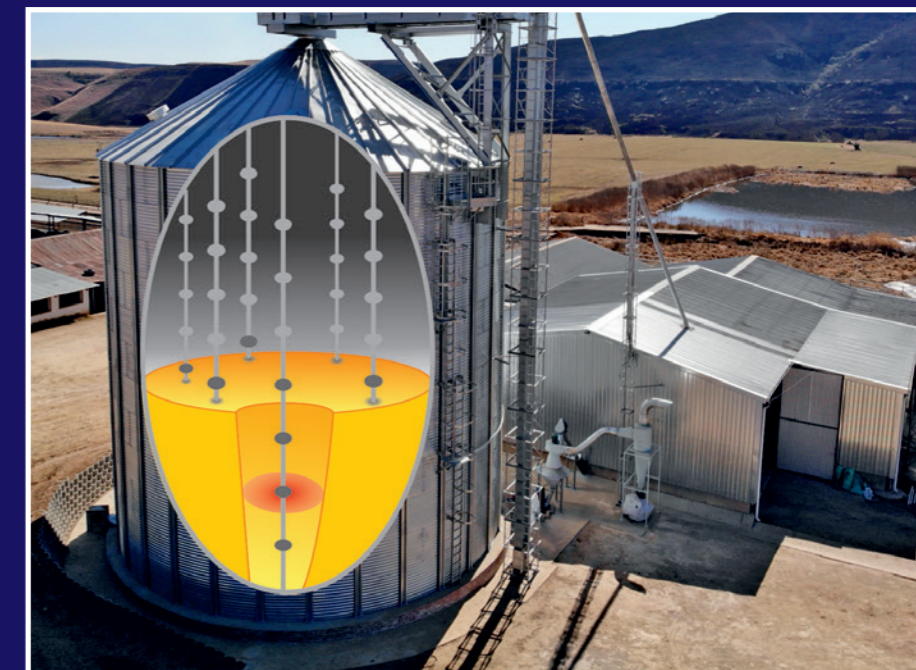
- Flat bottom range from 3m diameter (20 tonne capacity) - largest being 32m diameter, and have a capacity up to 30,000 tonnes, based on wheat at 750kg/m<sup>3</sup>.
- Hopper bottom range start at 3m diameter (23 tonnes) - largest being 13m diameter and have a capacity up to 3,000 tonnes, based on wheat at 750kg/m<sup>3</sup>.
- Eurocode or ANSI spec design
- 30 degree pitched roof, which provides integrity while maintaining low overall heights for conveyors
- & elevators & matches the natural angle of repose for stored materials.
- Silos are manufactured using high grade S450 steel, protected by galvanising to Z600 standard giving superior strength to weight characteristics and extremely long service life.
- Complete range of ventilation fans and flooring and laterals
- Sweep augers in agricultural and industrial specification
- Silo monitoring equipment

*Complete turnkey solutions*

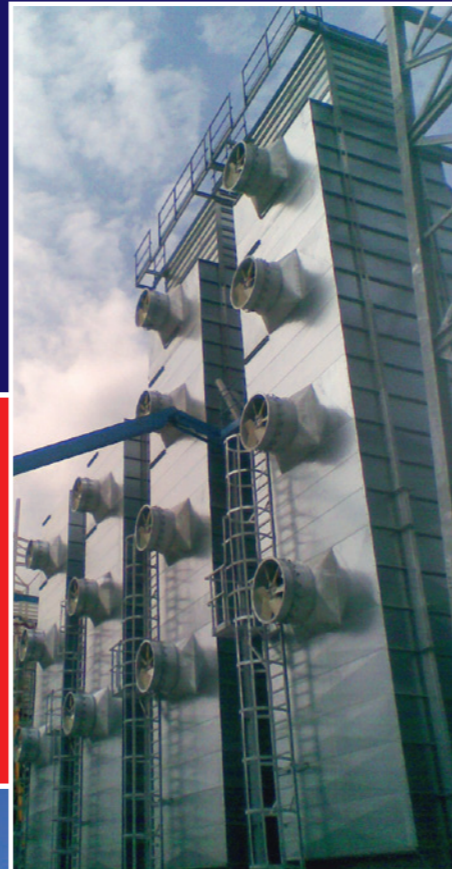
## TEMPERATURE MONITORING EQUIPMENT

PERRY provide a complete range of in silo monitoring equipment to look after your most valuable asset with confidence.

We can monitor moisture, temperature and most importantly CO<sub>2</sub> for a rapid warning of potential problems in your grain. The monitoring cables can all be connected by cable or wireless to a central, online monitoring dashboard to provide management with accurate live data and the software will automatically control the silo aeration fans.



# SOME OF OUR PROJECTS



*Complete Turnkey Solutions*

*For Post Harvest Equipment*

# FEED MILLING

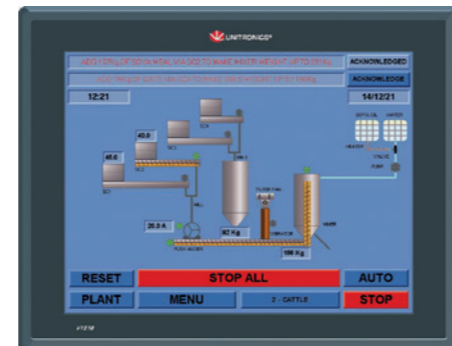
PERRY design, manufacture & supply animal feed-mills with a capacity from 1 to 6tph. The mills can be configured for Ruminant or poultry or monogastric production which feature our own software for the machinery control & menu selection.

## TYPICAL SYSTEMS INCLUDE:

- Weighing
- Grinding
- Mixing
- Conditioning
- Pelleting
- Cooling
- Crumbling
- Raw materials intake
- Weighing & bagging



*Complete Turnkey Solutions For Your Post Harvest Equipment*

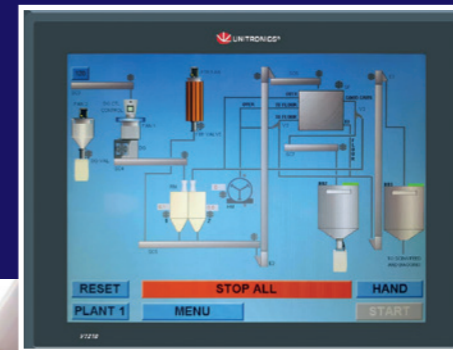


# FLOUR MILLING

Perry design, manufacture & supply maize flour & Posho mills.

## STANDARD EQUIPMENT INCLUDES:

- Degermers
- Roller mills
- Hammer mills
- Sifters
- Filter systems
- Destoner & magnets
- Large & small bagging systems
- Damping system & tempering bins
- Complete range of all conveying equipment



*Complete Post Harvest Turnkey Solutions*



*Complete Turnkey Solutions For Post Harvest Equipment*



# AFLATOXIN REMOVAL

PELA Commodities in Soroti have installed Uganda's first Aflatoxin removal system (TOXI-SCRUB®).

The machine is designed by Eye-Grain and supplied along with the grain handling equipment by Perry Engineering who are an authorised reseller of the TOXI-SCRUB® system. It is assembled by Eye-Grain ApS, their local partner Grain and Toxin Solutions LLC (Uganda) and Perry Engineering who have also supplied the conveying and elevating system for the TOXI-SCRUB®.

The machine will remove aflatoxins from high levels to 10ppb or less. It has different treatment programs and can be adjusted to make the necessary treatment to bring the contamination well below allowed levels. The machine can also eliminate not only Mycotoxins, but other biologic activity as well e.g. bacteria, mites and insects.

The TOXI-SCRUB® processing line can be tailored to any product in the Agro, Feed, Cereal supply chain. Including all types of grain, nuts, beans and cakes from the oilseed industry.



# CLEANING, DESTONERS, COLOUR SORTING & WEIGHING

PERRY have a range of Aspirator cleaners to remove light dust & chaff from grain at capacities from 30 to 150 tph.

*Complete Turnkey Solutions  
For Post Harvest Equipment*



## CLEANERS

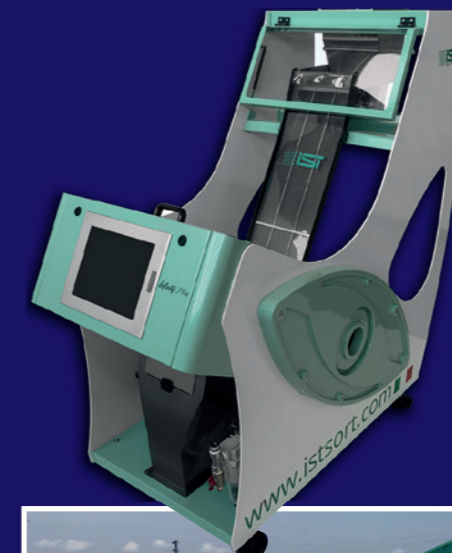
Perry have a complete range of rotary cleaners with and without aspiration. These are designed to remove oversize and under-size foreign bodies from the grain. Capacities from 30 to 400 tph. These cleaners use sieve screens of differing sizes to do this.

## DESTONERS

Perry have a complete range of destoners from 2 to 24 tph. These units include aspiration and are designed to remove same size foreign bodies from grains using the difference in density.

## COLOUR SORTING

Perry have a range of Colour sorters with trichromatic and FULL COLOUR technology enables the detection of the subtlest colour nuances on the product to be inspected with human eye accuracy. Thanks to this technology, sorting is much more accurate and enables to minimise waste and optimise the quality of products, thereby delivering safe, market-ready products.



## WEIGHING

Perry offer a range of quality weigh-bridges up to 18.3m long and 80T capacity with desktop indicator, PC and printer with management software, image camera and traffic lights.

Perry have a mechanical bag weigher ideally suited to use where support might be unavailable as there are no electronic parts. Capacity 5kg to 100kg. There is also a small bag weighing and filling system for bags from 1 to 10 kg.



# SALES & SERVICE, PROJECT MANAGEMENT, SURVEY & EVALUATION REPORTS INSTALLATION & MAINTENANCE OF HANDLING & DRYING EQUIPMENT

*Complete turnkey solutions working  
with local partners worldwide*

Why clients work with PERRY  
Perry products are manufactured in-house in the United Kingdom. Only our staff supervise, service and support our clients projects so you are always talking to the experts with the technical knowledge to help immediately.

The same is true for all our control software which is written by PERRY engineers who are available at any time to give advice and recommendations.

PERRY ensure stocks of spares are available in-country with their representatives or staff so there are no delays in delivering service or repair items through our experienced technical sales & project staff.



**Perry East Africa Ltd**  
Mobile: +256 701 750015  
sales@perryeastafrika.com  
www.perryfoakley.co.uk



**Perry Africa Pty Ltd**  
Mobile: +27 (0) 72 434 3994  
Office: +27 (0) 10 500 1736  
james.morrish@perryafrica.com  
Website: perryafrica.com



**Perry Engineering**  
Head Office: +44 1404 890 300  
sales@perryengineering.com  
Website: perryfoakley.co.uk  
Dunkeswell Airfield,  
Dunkeswell, Honiton,  
Devon, EX14 4LF