

# DipFast

## SHEEP SHOWERING MADE EASY

Tried and Tested Fully Enclosed System

A new way to treat  
your sheep;

- ✓ Labour saving
- ✓ Easy to use
- ✓ Animal friendly
- ✓ Safe



Working in partnership with Harlequin MFG, find out more online:  
[dipfast.harlequin-mfg.com](http://dipfast.harlequin-mfg.com)

**Harlequin**<sup>®</sup>  
MANUFACTURING FOR TOMORROW

## //DipFast Story

### 'NOT YOUR AVERAGE SHEEP SHOWER'

As an experienced Sheep Farmer and Electrician, Mark Kelly built the first ever **DipFast** 8 years ago using an old Oil Tank and material he found on his farm. Finding the process of dipping his sheep becoming even more expensive and laborious, he was determined to figure out a way to do it safer, easier and quicker. Mark's prototype was so successful with treating his own flock of sheep the neighbouring farmers were approaching him asking to treat their sheep.

Fast forward to 2017, Mark and his three sons, Aidan, Patrick and Colm are finally ready to release their **Dipfast** product for sale after a 3 year long R&D process. Working closely with Harlequin MFG, the final product is the first of its kind, a tried and tested fully enclosed sheep showering system.



## //How it works

The operator closes the entrance door using the pulley system.  
The Sheep are sprayed by 18 jets with a total flow rate of 140 litres per minute at 2 bar pressure.

Sheep enter the unit via the ramp.



## //Independent Research

The DipFast product was independently submitted to the Agri-Food and Biosciences Institute (AFBI) for testing to discover the effectiveness of the product. AFBI produced a report with the key points detailed below.



Sheep post-treatment

### Testing a new method to treat and control ectoparasites in sheep using a mobile showering unit

*"DipFast is an effective and safe apparatus causing minimal stress to sheep and requiring considerably less product than traditional treatment methods. Operators have little exposure to the product, with sheep able to receive full fleece saturation after only a short time, and with the product consistently saturating the fleece and the inside of the ewe's ears."*

//AFBI Research Report, August 2016

## //Benefits



### One Man Operation

Operated by one person only using a simple pulley system.



### Cost Effective

Lower treatment cost, less product used than traditional methods.



### Time Efficiency

Up to 200 sheep can be treated per hour.\*



### Treatment Capacity

Can treat up to 6-10 Sheep per cycle.



### Mobile

Trailer product available for easy mobility to LFA sheep. (Less Favoured Areas)



### Health & Safety

Operators have little contact with sprayed chemical or sheep.



### Animal Welfare

Stress free whilst fully treating sheep to prevent disease.



### Environmentally Friendly

Dip chemical is always contained within the DipFast.

## //Product Features



Pump



Skid frame



Ramp lifting points



Internal of DipFast

- Strong Unit**  
 Quality moulded polyethylene tank body for strength and durability.
- Accessible Parts**  
 Internal removable floor for easy access to product parts.
- Dual Filtration System**  
 Stops pump, pipes and nozzles from blocking up.
- Timer**  
 Built in adjustable timing system to ensure full treatment is reached.
- Spray System**  
 18 jets with a total flow rate of 140 litres per minute, 2 bar pressure reaches full treatment coverage.
- Durable Floor**  
 High grade GRP non slip surface.
- Reverse Valve**  
 Pump used contents easily into IBC Storage unit.
- Transportable**  
 Mounted on fully galvanised skid frame for extra protection and easy transport.

The Agri-Food and Biosciences Institute (AFBI) carry out high technology research and development, statutory, analytical, and diagnostic testing functions for government departments, public bodies and commercial companies.

[www.afbini.gov.uk](http://www.afbini.gov.uk)



Fleece penetration testing

### FLEECE SATURATION LEVELS

Excellent overall fleece saturation levels, including difficult to reach areas like the ears and tail.

### WELFARE OF ANIMALS

Sheep appeared content and not under undue stress within the unit during the testing process and afterwards.

### HEALTH & SAFETY OF OPERATORS

No product escaped from the unit during testing and there was minimal operator handling of sheep during the process.



Spray system coverage

\*Throughput will depend on the length of sheeps fleece, size of sheep and DipFast product purchased.

## ABOUT ORAN OAK

Established in 2013, Oran Oak Engineering Ltd developed a unique sheep showering unit that provides farmers with a safer, easier and quicker method of treating sheep for common parasites. Based in Tyrone, Northern Ireland, Oran Oak have combined years of farming experience with engineering knowledge to produce a quality product that delivers many benefits to sheep farmers.

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## ABOUT HARLEQUIN MFG

Harlequin have been at the forefront of manufacturing development in the rotationally moulded plastic storage products industry for over 35 years. From its base in N. Ireland, Harlequin now sell to over 25 countries worldwide with an unrivalled reputation for quality, backed up with its 9001, 14001 and 18001 Management System Certifications.

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## // Product Options

### // Run Off



The run off is designed to contain the sheep in the unit to drip off after treatment. Once complete the sheep run off the exit ramp.

#### // Sizes

Capacity 1,000 litres  
Length: 2,400mm\*  
Width: 1,400mm  
Height: 1,750mm

#### // Includes

Tank unit  
Pump  
Skid  
Entrance & exit ramps  
Entrance gates



\*5,500mm including ramps.

### // Drip Off



Instead of dripping off inside the DipFast unit, the sheep exit the unit and enter the drip off pen. This setup allows for an even quicker throughput.

#### // Sizes

Capacity 1,000 litres  
Length: 5,400mm\*  
Width: 1,400mm  
Height: 1,750mm

#### // Includes

Tank unit  
Pump  
Skid  
Drip off  
Entrance & exit ramps  
Entrance gates



\*8,500mm including ramps.

### // Trailer

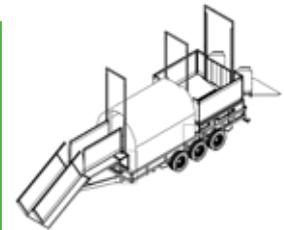
The DipFast can also be offered as a fully equipped trailer. An excellent solution to reach sheep in Less Favoured Areas (LFA). Find out more about the Trailer on our website.

#### // Sizes

Capacity 1,000 litres  
Length: 4,400mm\*  
Width: 2,000mm  
Height: 2,000mm



\*8,500mm including ramps.



## // Awards & Recognition

### Invent NI 2016

Winner of 'Agri-Science Innovation of the Year' award.



### Farmers Weekly

One of the '7 Machinery Highlights from the Royal Welsh Show 2016'.

### Made in Northern Ireland

As seen on BBC's Made in Northern Ireland TV programme exploring Northern Ireland's best product innovations.



Your accredited DipFast Reseller is:

Find out more online:

[dipfast.harlequin-mfg.com](http://dipfast.harlequin-mfg.com)

or contact us to find your nearest reseller 028 9261 1077

Made by



Working in partnership with



All information contained herein is understood to be correct at time of publication. Harlequin MFG Ltd and Oran Oak Engineering Ltd reserve the right to amend product specifications without notice. Please check our website for the most up to date product information.