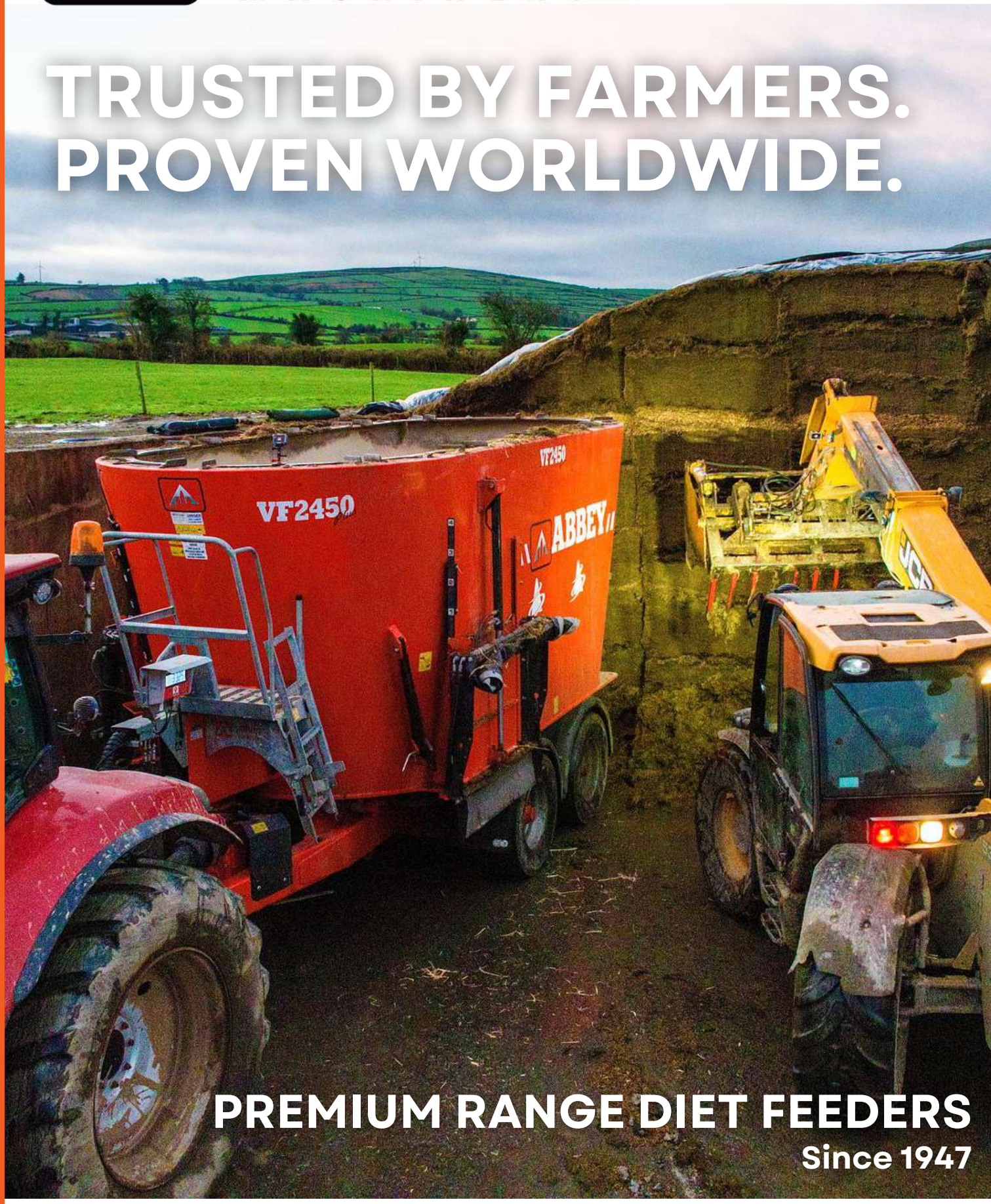
ABBEY
MACHINERY

TRUSTED BY FARMERS.
PROVEN WORLDWIDE.



PREMIUM RANGE DIET FEEDERS
Since 1947

+353 (0)67 26677

Clonalea, Toomevara, Nenagh,
Co. Tipperary, E45 KX78, Ireland

abbeymachinery.com

ABOUT ABBEY MACHINERY

OUR STORY

Founded in 1947, Abbey Machinery is an agricultural technology company specialising in the manufacture of Total Cow solutions for farmers and contractors. Abbey delivers precision diet feeders, slurry and muck handling equipment, low-emission slurry spreading solutions, grassland management machinery, and related industrial equipment.

Abbey operates from a custom-built 110,000 square foot production, R&D facility located in Co. Tipperary, Ireland. Quality, innovation and customer focus drive every aspect of production at Abbey.



ABBEY TWIN & TRI AUGER FEEDER RANGE

Abbey Machinery's premium twin and tri-auger diet feeders deliver high-performance, heavy-duty feeding with maximum efficiency. Fully customisable to suit your farm, from shed height and herd size to discharge, elevators and controls each machine is built for the right fit. Precision mixing and accurate weighing improve animal health while reducing labour and feed costs.



MACHINE GUIDE

Vertical Diet Feeder Range



- 8 to 40+ cubic metre capacity with options for larger feeders
- Single, Twin and Tri-Auger options
- Unrivalled mix quality proven through extensive trials
- 22mm augers with hardox options
- Plus Range Feeders include front access platform, wide angle PTO, parallel flat top ring, two speed gearbox, rounded mud guards and hydraulic hose support arm as standard
- Heavy duty 20mm base plate
- COMER planetary transmissions delivering reliable power transfer
- Optimised auger flight design for faster mixing and lower fuel use
- Digital weighing system for precise cloud based TMR management
- Wide discharge doors and door wedges improving feed-out efficiency
- Static and industrial feeders available



Horsepower Guide (Approx)	
Standard	Auger 25 Rev at 540
Two Speed Gearbox	Twin auger 120hp Twin auger with reduction gear box 90hp
Two Speed Box	Low speed 19 – 20 rev at 540 High Speed 29-30 at 540



UNIQUE FEATURES OF ABBEY FEEDERS

- **Rolled tub design** for fast, complete, and efficient mixing
- **Flexible door and feed-out configuration**s to suit any setup
- **Large discharge doors** for smooth, even feed flow
- **Optimised feed-out arm** positioning for consistent, uniform distribution
- **Efficient auger and wall design** reduces resistance and lowers power demand
- **Adjustable auger knives** for precise control across different feed types
- **Extended counter knife** for faster, more efficient material breakdown
- **Wide range of optional extras** to match specific farm needs
- **Complete, consistent mix** from front to rear and top to bottom
- **Low power requirement** for reduced running costs
- **Handles tough rations** including large bales, roots, and rough feed
- **Accurate, reliable weighing systems** with flexible control options
- **Hardox liner options** for maximum durability in demanding conditions



"It's our most relied-on machine on the farm. It gives a consistently good mix and real flexibility with what we feed."

– Matthew Blair of Thrimby Farms, Penrith, Cumbria on his Abbey VF1850 Diet Feeder

FEEDER SOLUTIONS & OPTIONS

Auger Options

22mm Augers: Complete with hard wearing replaceable serrated knives, ensure fast and comprehensive blending of all ingredients
Auger Magnets: Reduce the risk of foreign bodies in feed mix
Hardox Liner: Prolong the life of the mixing chamber



Gearbox Options

COMER: Uniquely integrated to the auger for better stability and protection. Strong torque ensuring mixers chop and mix efficiently.
Two Speed Gearbox: Providing increased auger speed and torque. Smooth transfer of drive.
Hydraulic Changeover: For 2 speed gearbox. Speed adjustment over a wide range, while the power source is operating at a constant, efficient speed.
Wide Angled PTO Shaft: Allows operation of variable angles without the increase in vibration or friction. Allows sharp turns with the PTO spinning

Powershift Gearbox: Enables lower HP tractors to handle large feeders, reducing fuel and maintenance costs. Smooth shifting, low noise, and in-cab display improve ease of use while helping speed up feeding.

Feeder Control Options

Cable control: 3 bank valve and 4 bank valve with cable options available on front door models only.
Electrical control options: In-cab switch over in lieu of cables. Electric diverted controls link to the feeder mounted diverter. Machine mounted, low flow digi device function and side discharge elevator options available.
Feeder weigh system options: EZ3610 and TMR Software

Door Options



Side door: Allows the feed to be discharged to both the right and left simultaneously or individually. Side discharge elevators can be fitted to feed intro troughs or bunkers.
Rear door: Deliver feed in narrow passages. This machine can feed inside its width or fitted with twin doors can feed both sides simultaneously.
Front door: A slat and chain fixed cross conveyor or a PVC sliding cross conveyor option. Ability to feed into deep bunkers, over through walls and onto the floor clear of the machine being able to slide out to either the right or left of machine. Option for a raised sliding cross conveyor.

FEEDER SOLUTIONS & OPTIONS

Discharge Options

Hydraulic Tray: Gives the operator the control of the tray angle which allows for greater reach and assistance with feed discharge. Greater operator comfort removing the need to manually change the tray angle
Side Elevator: Allows the operator to adjust the discharge angle with the benefit of a powered conveyor. Ideal for people feeding into bunkers or troughs.
Sliding Flat Conveyor: Front mounted elevator for the operation with a front door. Slides left and right allowing to feed to either side.
Raising Cross Conveyor: Front mounted elevator operational left and right. Hydraulically operator to extend closer to the feed passage. It can be raised up at an angle to allow greater clearance for feeding into bunkers and troughs.



Hydraulic Tray



Side Elevator



Raising Cross Conveyor



Sliding Flat Conveyor

Additional Options

Winding Jack: Two and three stage winding jacks available.
Top Retaining Ring: Parallel, tubular and raised top retaining ring options to prevent overflow.
Raisers: 50mm, 75mm and 100mm options available.
Camera: Reversing camera and brackets available.
Platform: Front access platform with folding ladder.
Windows: 700mm viewing windows.
Mineral Chute: To support nutrition management plan.
Rubber extensions: Add on to increase tub capacity.



Winding Jack



Window



Platform



Mineral Chute

END-TO-END TECHNOLOGIES

Abbey Machinery's Weighing System accesses and analyses feed data instantly.
Herd nutrition is pivotal to reducing health issues, improving milk quality and maintaining a high yielding farm. Cloud based clocks are available on all Abbey Diet Feeders.



An **NIR feed sensor**, offers real time analysis of quality and homogeneity of mix. EvoNIR is installed on the tub of the feed mixer and can continuously monitor the quality of the mixture for real time analysis. With adjustments this guarantees a homogenous and constant TMR in line with nutritionist formulation.

Feed App

- Free and self-explaining available in both GooglePlay & IOS
- Guest Mode (free) or Register (subscription)
- Cab control (remote display)
- Loads (create your digital feed sheets)
- Create loads and rations
- Add groups
- Resize before loading (if needed)
- Load
- Scale tracker (remote support)t

2810 Digistar

- Large 1.7" (43mm) white backlit COG is easier to read
- Pre-set Weight function provides improved accuracy and management of loading and unloading
- Internal "alarm light & horn" alert operator of approaching target pre-set weights
- Free and self-explaining feed app available to connect through internal Clock Bluetooth and phone Bluetooth

TMR 3610 - FEED MANAGEMENT INDICATOR

- Full management capability and USB or DataLinkTM bi-directional data transfer.
- Program rations at your PC or from the front panel of your indicator
- Compatible with TMR Tracker® Feed Management Software
- Internal "alarm light and horn" alerts operator of approaching target weights
- Make "group call weights" and "head count" changes at the indicator
- Keeps up-to-date feed changes or reuse data from day-to-day

Customisation

- Reliable product availability to ensure the right machine is ready when you need it
- Customisable solutions tailored to your farm and operating conditions
- Field-tested equipment built on proven engineering expertise
- Data availability to best manage feed and labour costs

DIET FEEDER SPOTLIGHT

Abbey Machinery's diet feeders, help farmers achieve better feed conversion rates, leading to improved milk yields and overall livestock health. Our durable livestock feeders are designed for easy operation and maintenance, ensuring long-term reliability and cost-effectiveness.

VF3650

- Three vertical 22mm Augers
- 8mm wall
- Electronic scales – 6 weigh bars
- 24 x knives, 2 x counter knives
- Tandem axle on springs with steering axle
- LED lights
- Wide angle PTO shaft
- Two Independent Hydraulic discharge doors
- Two speed gearbox
- Front access platform with folding ladder
- Parallel (Flat) top retaining ring
- 455/40 R19.5 Wheels



"Abbey Feeders are strong, reliable, equipped with an excellent weighing system, and ensure even feed-out during discharge"

- McClure Family on their Abbey Machinery VF1500 Diet Feeder



Bale Shears

- Splitting and Feeding into a Diet Feeder or in front of Feed Barriers while retaining plastic .
- Improved Operator Efficiency and Safety
- Reduces Feeding Time
- Cuts Silage, Hay and Straw
- Requires One Double Acting Hydraulic Service
- Adjustable Clamping System for Variable Sized Bales
- Ideal for Splitting Bales and Feeding into a Diet Feeder or in Front of Feed Barriers.

CONTACT US



UK SALES MANAGER

David O'Malley

domalley@abbeymachinery.com
Tel: +44 7393 116850

UK NORTH SALES

Martin McWilliam

uknorth@abbeymachinery.com
Tel: +44 7879 331071

MARKETING

Kate Cotter

kate@abbeymachinery.com
Tel: +353 (0)67 26677

UK SOUTH + EXPORT SALES

Paul Beirne

pbeirne@abbeymachinery.com
Tel: +353 (0)86 046 1448
Tel: + 44 7557 477547

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