ABBEY
MACHINERY

TRUSTED BY FARMERS. PROVEN WORLDWIDE.



INTERNATIONAL BROCHURE

TRUSTED BY GENERATIONS

Since 1947

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

+353 (0)67 26677

abbeymachinery.com
info@abbeymachinery.com

ABOUT ABBEY MACHINERY

YOUR TRUSTED GROWTH PARTNER

Abbey delivers a full range of agricultural and industrial machines, expert support, and tailored solutions that help dealers and importers increase sales and build customer loyalty.

With product availability, custom configurations, staff training, and marketing support, we ensure you always have the right machine at the right time so you can focus on growing your business with confidence.



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.

IRISH INNOVATION FOR GLOBAL EXCELLENCE

Ireland's reputation for agriculture has resulted in a thriving agri-tech sector leading the way in smart farming.

Abbey Machinery's R&D team integrate industry innovation with the customised needs of international markets to develop a range of agriculture machines.





MACHINE GUIDE

TANKER RANGE

- 5,000 to 27,000 litres with larger models available upon request
- Standard, Recess, Tandem, Recess Tandem, Tridem axle models & 65m³ Nurse Tank
- Produced using full length chassis construction, anti-movement internal baffles, steel barrels, premium pumps, heavy duty axles and a patented double trap system.





DIET FEEDER RANGE

- 8 to 35+ cubic metre capacity with options for larger feeders
- Single, Twin and Tri-Auger options
- Unique low auger profiles, that gently chop and mix feeds
- TMR technology & NIR technology

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.



MACHINE GUIDE

MUCK AND SIDE SPREADERS

Engineered for durability and efficiency, built with a large-diameter and a heavy-duty auger to ensure a consistent flow of material for reduced material clogging.

Ranging from 6.8m3 – 11.46m3





SLURRY PUMPS

Abbey Machinery slurry pumps are engineered for efficient, high-volume transfer of slurry, delivering reliable performance, durability, and long-term dependability.

APPLICATOR RANGE

- Trailing Shoe
- Band Spreaders
- Shallow Disc Injectors
- Cereal Applicators range
- Umbilical Ready and Retrofittable

Reducing carbon emissions by up to 60%



WHY CHOOSE ABBEY SLURRY TANKERS?

Built in Ireland. Proven Worldwide.

Engineered to handle demanding terrain, heavy soils and long working seasons.

Industry-Leading Build Quality

Reinforced chassis, high-spec components and precision welding for maximum durability.

High-Performance Pumping Systems

Reliable vacuum pumps delivering fast fill and discharge times.

Wide Range of Sizes

From compact farmyard models to high-capacity contractor tankers.

Advanced Application Options

Compatible with dribble bars, trailing shoes and precision spreading systems.

Efficient Weight Distribution & Stability

Designed for safe road transport and superior field performance.

Customisable Specifications

Brakes, steering axles, filling systems, macerators, flow meters and more.

Strong Resale Value

Proven brand reputation and long service life protect your investment.



MACHINE GUIDE

INDUSTRIAL SOLUTIONS

- Tanks for Dust suppression, Road washing, Water transport and waste management

- Static Diet Feeders for Biogas production, Anaerobic digestion and static feed/ration mixing





END-TO-END TECHNOLOGIES

Abbey technology solutions help customers to easily use data to support precision farming.

Tanker technology options include NIR Live Sensing technology, ISOBUS solutions, GPS mapping, Multi-Stage Rapid Filing Arm, and Flow Meter controls to support the farmer in getting the most out of their nutrient dense slurry.

Abbey Feeders technology makes precision feeding and ration management intuitive. Abbey Machinery's Weighing System accesses and analyses feed data instantly.



SUSTAINABLE SOLUTIONS



Abbey Machinery's innovative Low Emission Slurry Spreading range includes:

- Dribble Bars
- Trailing Shoes
- Cereal Applicators
- Shallow Disc Injectors in various widths.

Abbey Machinery's LESS Applicators are crucial for efficiently meeting emissions reduction regulations while saving costs through precise nutrient application. Abbey Applicators are both retrofittable and umbilical ready to fit the needs of all ground types. Benefits include up to 60% reduction in nitrogen loss, optimal nutrient deliver, improved farm carbon footprint and increased organic fertiliser utilisation.

CUSTOMISATION

- Reliable product availability to ensure the right machine is ready when you need it
- Customisable solutions tailored to specific markets and operating conditions
- Field-tested equipment built on proven engineering expertise
- Close collaboration with dealers to align product mix, strengthen margins, and support long-term growth

MACHINE GUIDE

ISOBUS + Flow Meter Solutions:

Precision Application.
Real-Time Control.
Unmatched Efficiency.



ISOBUS Features:

- Universal ISOBUS solution allowing tractor terminal to control machine
- Links with Application rate control
- Proof of placement, records jobs for applied slurry
- 8 Hydraulic Functions for each ECU supplied
- Sequenced functions possible auto headland turns to group turbo to fill arm if needed

Flow Meter System:

- Real-Time Flow Monitoring – Displays actual output in cubic meters per hour (m^3/hr).
- Robust Sensor – Sensor ensures reliable measurement in tough conditions.
- In-Cab Display - Clear readouts keep the operator informed of current flow rates.

Application Rate Control System

- Live Flow Rate Display – Outputs shown in m^3/ha for precise application.
- Target Rate Input – Operators can set desired application rates.
- Speed-Aware – Notifies if speed is too fast or slow for target rates.
- Automatic Adjustment – System adjusts gate valve based on forward speed using an electronic actuator.
- Fully Integrated System – Includes GPS unit, controller, sensor, in-cab display, and all required cabling.

Data Logging & Traceability

- GPS Integration – Record exact location and volume of slurry applied per field.
- USB Export – Transfer data quickly for digital record-keeping and compliance.

MACHINE SPOTLIGHT



5500 TRIDEM + 12M BAND SPREADER LESS APPLICATOR

Abbey 5500 Tri-Axle tankers are the ideal choice for busy contractors in demanding slurry operations. Offering excellent road performance both full and empty, outstanding stability on uneven and hilly terrain, and a smooth for a comfortable driving experience. Built for heavy-duty use with strong durability, Abbey 5500 Tri-Axles deliver the reliability, capacity, and long-term value contractors need to keep their fleets working hard every day.

- Forced Steering
- Parabolic weight sensing sprung drawbar
- Air/Hydraulic 420 X 180 Brakes
- LED lights
- Hydraulic 12,500 pump
- Power brake system
- Rear hydraulically operated heavy-duty valve
- Inverted spreading plate
- 6 fill point positions, two complete with quick attach gate valve and one with wash tap
- One front blank point
- 20ft of 6” suction hose
- Auto slack adjuster
- Front level indicator
- Bolt on galvanized mudguards
- With 710/50 R26.5 BKT Wheels
- Over the Hedge Boom Arm with Hopper
- Central Greasing
- Drawbar buffer
- Bolt on spoon hitch
- Front level indicator (100m)
- 12 metre Band Spreader

UNIQUE FEATURES OF ABBEY FEEDERS

- Rolled tub for complete efficient mixing
- Custom door arrangements and feed out options
- Large discharge doors: Wider opening ensures a smoother, even flow of feed
- Optimum feed out arm position promotes even and consistent movement of feed towards the door. Guarantees a uniform distribution of material during feeding
- Optimised wall and auger configuration, avoids unnecessary overlapping between wall and auger construction
- Reduces wasted pressure and resistance in the mix, improving efficiency and lowering power demand
- Adjustable auger knives that can be set fully in halfway or fully out depending on the feed type. Allows the operator to control the aggressiveness of chopping for different rations or materials.
- Long counter knife extends higher up the feeder wall from the floor. Creates earlier resistance as material meets the auger, starting the breakdown process immediate. Results in faster more efficient material processing than shorter systems
- Multiple optional extras for customer requirements
- Complete ingredient mix – mixing from the front to the rear of the feeder and from the floor to the top
- Lower operating cost and power requirement
- Suitable for rough feed types / large bales / roots.
- Simple, reliable weighing and control. Robust proven system with high accuracy. Various system available to suit the customer needs.
- Hardox liner options for the most intense feeding 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

ABBEY MACHINERY DIET FEEDERS

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.

VF3350

- Three vertical 22mm Augers
- 8mm wall
- Electronic scales – 6 weigh bars
- 24 x knives, 2 x counter knives
- Tandem on springs with steering axle
- LED lights
- Wide angle PTO shaft
- Hydraulic folding chute
- Two Independent Hydraulic discharge doors
- Two speed gearbox
- Front access platform with folding ladder
- Rubber top retaining ring
- Electric controller
- Digi-star 3610 Clock



"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



VF2100

- Two vertical 22mm Augers
- Front mounted front cross conveyor
- 8mm wall
- Electronic Scales with four weigh bars
- 16 knives and 2 counter knives
- Dynamic lights
- Ladder
- Two independent hydraulic discharge doors
- Two speed gear box
- Wide angle PTO Shaft with Shear bolt protection
- Planetary Gear Drive

CONTACT US



INTERNATIONAL BUSINESS DEVELOPMENT & SALES

Clodagh Cavanagh

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

Paul Beirne

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

MARKETING

Kate Cotter

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

ORDER ENQUIRIES

Anne Morgan

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

SPARE PARTS

Q-Parts

qparts@abbeymachinery.com
Tel: +353 (0)67 26677
Tel: +353 (0)87 280 1145

ABBEY MACHINERY

TRUSTED BY FARMERS. PROVEN WORLDWIDE.

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

+353 (0)67 26677

abbeymachinery.com
info@abbeymachinery.com