

Feed Equipment Guide



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Abbey Machinery
Diet Feeders



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Features and
Optional Extras



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Diet Feeder
Dimensions



ABBHEY
MACHINERY
since 1947



OUR BACKGROUND

Abbey Machinery is an Ag Tech company specializing in manufacturing of Total Cow solutions for farmers and related industrial product. Established over 75 years ago, we are a team of over 100 employees contributing to the shared expertise of Abbey. Quality, innovation, and customer focus drive production creating long lasting, efficient machines improving farm programs around the world. We focus on embracing sustainability and digitalization to generate value-added applications for our customers.

FEED MANAGEMENT SYSTEM

Abbey Diet Feeders unique chopping and mixing action helps the animal to digest the maximum amount of nutrients from the feed they have eaten, to drive performance and even to reduce environmental emissions - from both nitrogen and methane. This raises feed efficiency improving milk and meat yield per kg dry matter intake.

When the TMR contains the correct balance of ingredients, along with the appropriate amount of roughage (quality long effective fibre) it enhances feed intakes, settles the rumen to absorb more nutrients from the ingested feeds and raises animal performance and health.



FEED MANAGEMENT TRACKING	STOCK & INGREDIENT TRACKING	OPERATOR TRACKING	MANAGE FEED COSTS	SAVE TIME	PERFORMANCE
Easily monitor and amend feeds.	Track daily use of all feeds.	More accurate loading and if there are multiple operators it will show their loading accuracy. Encourages accurate loading.	Compare intended ration against ration fed.	Easily change group numbers.	More accurate diet feeding results in better yields, milk solids, and live weight gain in cattle.
Share feeding information with advisors and nutritionist.	Gives warnings when running out of feeds.		Can measure Dry Matter Intakes and feed costs per animal.	No need for manual records.	
Diet Feeder Maintenance. Records quantity of loads and auger revolutions. Schedule machine maintenance.	Assists feed stock management so as not to run out and also no need to over-stock.	Easily adjust rations for Dry Matter Intake (DMI).	Margins over feed costs.	Ultimate accuracy at your fingertips.	Healthier livestock through more accurate feeding. Lower cull rate and vet bills.
			Calculate income over feed costs.	Feed exact amounts accurately.	
FLEXIBILITY	EARLY WARNINGS	ACCOUNT-ABILITY	COST ANALYSIS	MORE TIME	MORE MONEY

END-TO-END TECHNOLOGIES

Abbey Machinery specialize in incorporating Ag technology with our product range to develop the best solutions for our customers. Abbey Machinery partner with the top suppliers of agriculture technology in the industry to pair field tested tech with the top-quality engineering in Abbey machines. Abbey technology solutions help customers to easily use data to support precision farming.

Abbey Machinery have added a collection of smart technology to their equipment, including TMR tracking, COMER planetary transmissions, feed management apps and NIR sensors for instant feed mix analysis.



ABBHEY DIET FEEDER RANGE

LONG LASTING EFFICIENCY

Abbey Machinery has been at the forefront of feed and slurry management systems for decades. Machines use the latest technology and best manufacturing practices resulting in machines that will last generations without issues.

Abbey's Diet Feeder Range will support all farmer needs from compact introductory machines to larger, industrial size machines all to better improve your feed management system and improve the health of your herd and your bottom line.

Quality is at the centre of Abbey Machinery production. Machines can be custom built to support your exact farm requirements. Machines are built in a new state of the art manufacturing facility in Toomevara, Nenagh, County Tipperary, Ireland.

HORSEPOWER GUIDE*

STANDARD	Auger 25 Rev at 540
TWO SPEED GEARBOX	Single auger 75-80hp
	Single auger with reduction gear box 65hp
	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

* Approx.

NUMBER OF COWS

TUB CUBIC CAPACITY	FROM	TO
8	40	50
10	50	60
10.5	55	65
12.5	70	80
13.5	80	90
14.5	90	100
15	95	110
16.5	110	120
18.5	120	130
21	130	140
22.5	135	145
24.5	145	155
26.5	155	165
28.5	165	185
30.5	185	205
33.5	205	225

CHOOSING THE CORRECT DIET FEEDER MODEL

- 1 The total annual volume of feed to be supplied.
- 2 The Horsepower of the tractors available.
- 3 The height and width of feeding sheds.
- 4 Type of feed ingredients to be mixed.
- 5 Quality of feed to be mixed.
- 6 Size of herd and growth forecasts.
- 7 Country legislation compliance.
- 8 TMR plan.

A UNIQUE RANGE OF 17 VERTICAL AUGER DIET FEEDERS (FROM 8 TO 33.5 CUBIC METRE CAPACITY)

- Unique low auger profiles.
- Inflected top knife for improved bale processing and mixing time.
- Extendable knives and two counter knives for improved processing time.
- Gear box is mounted high up into the auger for guaranteed stability and working life.
- Industry leading exit space in their feed outdoors for rapid feed-out time.
- Door wedge to improve feed flow during feed discharge.
- Variety of door locations and feed-out options.
- Single, twin, tri-auger and plus options.
- Machines can be customised to suit farm.

VERTICAL AUGER DIET FEEDER RANGE

Abbey is Ireland's leading producer of Vertical Auger Diet Feeders and has an extensive range including Single, Double and Tri Auger models. Abbey Diet Feeders are constructed on a 20mm base plate, fit with COMER planetary transmission, and include a weighing system fitted as standard on each machine.

Each model includes:

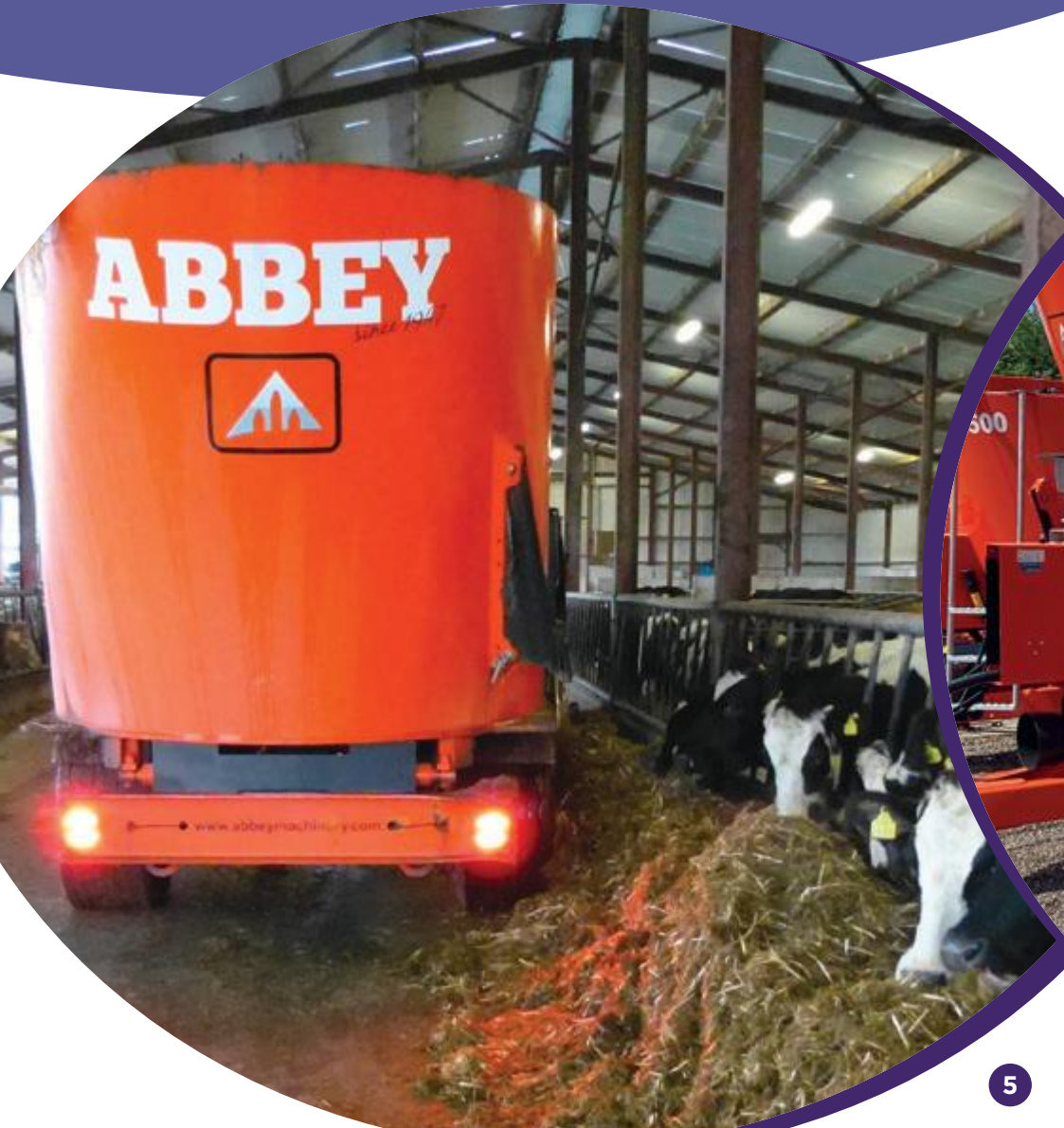
- Unrivalled mix quality, proven in complete trials.
- Unique tub design which allows complete movement and mixing of feeds.
- 20mm base plate, 15mm auger flight, 20mm wear plate on most models (option of 22mm auger).
- Low profile auger reduces horsepower and gives greater stability.
- Auger flight design reduces HP demands and rapidly mixes feeds - reducing fuel use.
- Door sizes are designed to optimise feed out and reduce feeding time.
- Weighing system is robust, easy to use, versatile and now includes a TMR Tracker option.
- Abbey Diet Feeders are designed to work under harsh, dry, and wet conditions and include superior extended warranty on both weighing systems and gearbox.



SINGLE AUGER DIET FEEDERS

The single auger feeders have a unique tub design with a 20mm base plate, 15mm auger flight and 20mm wear plate on most models (option of 22mm auger).

The low-profile auger reduces horsepower and gives greater stability. The single auger includes a raised top knife. The auger flight design reduced horsepower demand while rapidly mixing feeds. Door sizes are designed to optimise feed out and reduce feeding time. Twin wheel axle are standard on most models for improved stability.



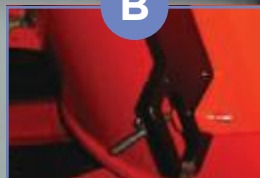
SINGLE AUGER DIET FEEDER PARTS



A

Single Tub

8m-14.5m with unique rolled body design for fast and efficient blending of all feed ingredients.



B

Counter Blades

These hold the material in position, reducing chopping time and wear of the barrel.



C

Door Options

Side, front and rear options to discharge feed.



L

4-Point Weighing System

Included as standard on Abbey Machinery Diet Feeders.



K

Knives

Serrated knives to ensure a fast and comprehensive blend of all ingredients.



J

Top Retaining Ring

Option for overflow ring to protect dry matter being thrown over during the mixing process.



I

Brakes

Hydraulic brakes.



H

Narrow Frame

Fits through farm passageways.



G

Corner Gearbox

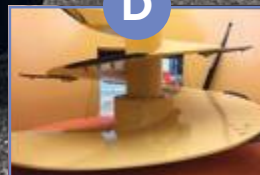
Uniquely integrated to the auger for better stability and protection.



F

Tyres

Wide range of leading brands available for twin wheels 235/75R X 17.5.



D

Mixing Auger

One 15mm heavy duty auger to ensure perfect blend.



E

Discharge Elevator

Hydraulic discharge conveyors can be fitted to side door model vertical feeders to allow feed into bunkers.

TWIN AUGER VERTICAL FEEDERS

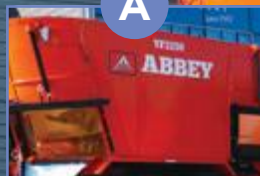
Abbey manufacture an extensive range of Twin Auger Vertical Diet Feeders from 15m³ to 30.5m³. They are ideal for customers wishing for capacity with stability and quality of mix or customers who wish for extra capacity without extra height. The proven Abbey Twin Auger provides excellent mix quality and a choice of discharge options to suit all applications for the modern farmer.

Despite their large capacity they require lower HP than other Feeders. The machine's design and low height provides ease of manoeuvrability in narrow feed passageways and low sheds. The machines include future proof technology with a weighing system. All Twin Auger machines include a Comer heavy duty gear box and four-point weighing system. The Twin Augers are ideal for customers wishing for larger capacity while navigating narrow sheds.

- Provides excellent mix quality and a choice of discharge options.
- Despite their large capacity they require lower HP than other Feeders.
- The machine's design and low height provides ease of manoeuvrability in narrow feed passageways and low sheds.
- Superior mixing ability and even distribution resulting in top class mix.
- Future proof technology with weighing system.
- Comer heavy duty gear box and four-point weighing system.
- Ideal for customers wishing for larger capacity.



TWIN AUGER DIET FEEDER PARTS



A

Twin Tub

Tubs range from 15m to 30.5m.



B

Hinge Trays

Allow material to be dropped directly onto the floor or at varying heights.



C

Independent Chassis
Electronic scales with four weigh bars.



M

Tyres

Wide range of leading brands available for the dual axle system.



L

Ladder

For easy access and viewing of the tub.



K

Knives

Serrated knives (on each auger) to ensure a fast and comprehensive blend of all ingredients.



J

LED Lights

To improve visibility.



I

Counter Blades

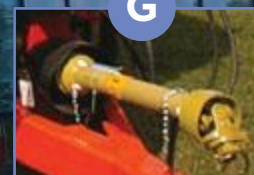
These hold the material in position, reducing chopping time and wear of the 8mm barrel.



H

Corner Gearbox

Uniquely integrated to the auger for better stability and protection.



G

PTO Shaft

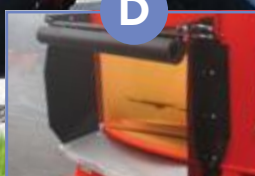
With shear bolt protection.



F

Mixing Auger

Two vertical 15mm heavy duty augers to ensure perfect blend.



D

Door Options

Side, front and rear options to discharge feed.



E

Discharge Conveyors

Hydraulic discharge conveyors can be fitted to side door model vertical feeders to allow feed into bunkers.



C

G

L

A

B

I

F

K

H

M

TRI-AUGER VERTICAL FEEDERS

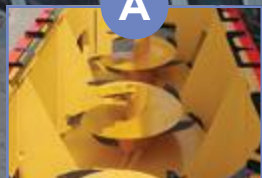
Tri-Auger Feeder purpose built to suit large scale operations looking to feed a quality mix in the most economical time possible. Runs with minimal horsepower requirements. Complete with 6 weigh bar system, linking data to proven weighing technology.

Narrow design and self-steering bogie make it extremely manoeuvrable around the yard, the wide feed-out door ensure it empty out rapidly and efficiently.

- Three vertical 22mm augers
- Electronic scales - 6 weigh bars
- 24 x knives & 2 x counter knives
- Tandem on springs, with steering axle
- Wide angle PTO shaft with shear bolt protection
- Two independent hydraulic discharge doors
- COMER planetary gear drive
- Two speed gearboxes
- Front access platform with folding ladder
- Electronic Scales



TRI-AUGER DIET FEEDER PARTS



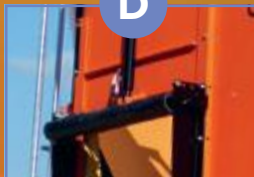
Tri-Auger Tub
Tubs are 33.5m.



Manually Operated Trays



Independent Chassis
Electronic scales with six weigh bars.



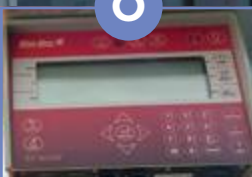
Independent Hydraulic Doors
Two discharge doors.



Tandem on Springs
with steering axle.



Discharge Conveyors
Hydraulic discharge conveyors can be fitted to side door model vertical feeders to allow feed into bunkers.



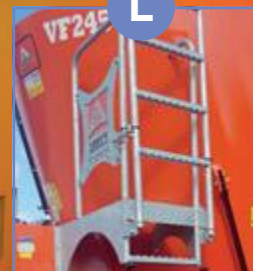
Electronic Weighing Scales



Tyres
With 455/40 r19.5 wheels.



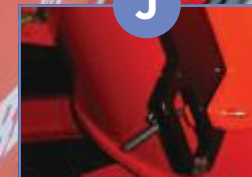
Knives
Serrated knives to ensure a fast and comprehensive blend of all ingredients.



Platform
Front access platform with folding ladder.



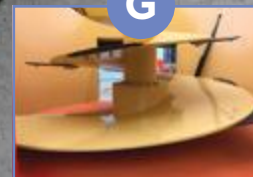
LED Lights
To improve visibility.



Counter Blades
Hold the material in position, reducing chopping time and wear of the barrel.



Comer Gearbox
Uniquely integrated to the auger for better stability, protection and two speed gear box.



Mixing Auger
Three vertical 22mm heavy duty augers to ensure perfect blend.



Wide Angle PTO Shaft (T80)
With shear bolt protection.

PLUS RANGE DIET FEEDERS

Larger herds have greater feeding demands, be it more loads per day or larger load capacities. Abbey Machinery's new 'Plus Range' - VF2450, VF2650, VF2850, and VF3050 models.

- 22mm auger for extended working.
- Wider base coupled with improved gearbox mounting flange for better mixing performance.
- New tilted monitor support, which has been designed to keep operators further away from PTO's for added safety.
- Door design delivers improved flow of material positioning the feed to the center of the door as it exits the feeder to give a more even and rapid feed out.
- Fully galvanized safety and viewing platform for easier viewing into the mixing chamber.
- 2810 Bluetooth clock.
- New style feed out arm and wider trays for minimized spillage.
- Rounded mudguards.
- Door wedges for more even feed out.





STATIC DIET FEEDER RANGE

Abbey Machinery offer an exciting new range of Static Mounted electrically driven Feeders for on farm or industrial use.

The Static Diet Feeders offer the capabilities of the Vertical Auger Diet Feeder range in a mounted electrically driven machine.

DIET FEEDER OPTIONS POWERSHIFT GEARBOX OPTION

Abbey Machinery now offer a PowerShift Gearbox which includes a control system and auto change features for best gearbox performance. Within the auto feature it will automatically change between high and low speed.

BENEFITS

- **Lower horsepower** tractors can be considered with larger feeders.
- **Potential fuel savings**, of up to 15% as standard when using the Auto feature.
- **Shortened return on investment**, good potential when using Auto feature.
- **Reduced maintenance**, starting in low range is easier on feeder and tractor drive lines.

USER BENEFITS

- **Smooth** gear shifting as standard (Stop/Start not required)
- **Lower noise**, and reduced stress levels.
- **In cab display** for system controls, weighing and recipe management.
- **Hydraulic control** functions available to hand when needed.



AUGER OPTIONS



15MM AUGERS

The 15mm heavy duty auger complete with hard wearing replaceable serrated knives, ensure fast and comprehensive blending of all ingredients.



22MM AUGERS

The 22mm heavy duty auger complete with hard wearing replaceable serrated knives, ensure fast and comprehensive blending of all ingredients. 22mm Auger in lieu 15mm Auger for 1650T - 2250T.



AUGER MAGNETS

Reduce the risk of foreign bodies in feed mix.



HARDOX LINER

Prolong the life of the mixing chamber.

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 manual 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.

GEARBOX OPTIONS

COMER GEARBOX

Uniquely integrated to the auger for better stability and protection. The Comer gearbox possess strong torque characteristics ensuring mixers chop and mix efficiently.

TWO SPEED GEARBOX

Providing increased auger speed and torque. Smooth sounding transfer of drive.

HYDRAULIC CHANGEOVER

For 2 speed gearbox. Quick, easy speed adjustments over a wide range, while the power source is operating at a constant, more efficient speed.

WIDE ANGLED P.T.O SHAFT

In lieu of standard. Allows operation at variable angles without the increase in vibration or friction. Allows sharp turns with the PTO still spinning.



DOOR OPTIONS

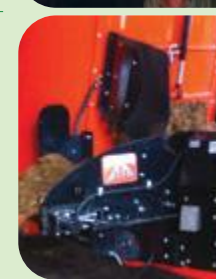
SIDE DOOR

This allows the feed to be discharged to both the right and left simultaneously or individually. Side discharge elevators can be fitted to feed into troughs or bunkers.



FRONT DOOR

A slat and chain fixed cross conveyor or a PVC sliding cross conveyor option. Gives the farmer the unique benefits of being able 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.



REAR DOOR

Rear door mixers deliver feed in narrow passages. This machine can feed inside its own width, fitted with twin doors a rear door option model can feed both sides simultaneously.



FEEDER CONTROL OPTIONS

CABLE CONTROL OPTIONS

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.



DISCHARGE OPTIONS



WINDING JACK

Two and three stage winding Jacks available.



TOP RETAINING RING

Parallel, tubular and raised top retaining ring options to prevent overflow.



RUBBER EXTENSIONS

Add on to increase tub capacity.



RAISERS

50mm, 75mm and 100mm options available.



MINERAL CHUTE

To support nutrition management plan.



CAMERA

Reversing camera and brackets available.



WINDOWS

700mm viewing windows.

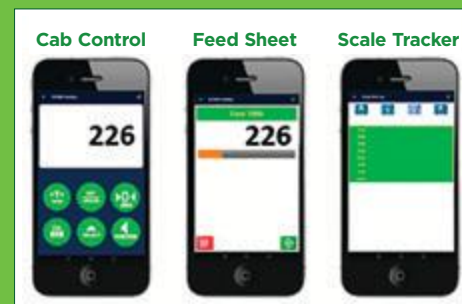


PLATFORM

Front access platform with folding ladder.

OPTIONAL EXTRAS

Herd nutrition is pivotal to reducing health issues, improving milk quality and maintaining a high yielding farm. Total Mixed Rations support each farm with providing the optimal feed mix for each herd. Abbey Machinery Diet Feeders make it extremely simple to implement TMR feeding into your farm program. The **DigiStar Weighing System** is an intuitive management tool to access and analyse your feed data instantly, everywhere in the world. DigiStar weighing systems are available on all Diet Feeders.



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)



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 DataLink™ 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

ABBEY MACHINERY DIET FEEDER DIMENSIONS

Abbey Version	Turning Circle. Hitch to Wheel	Overall Length	Tub Height	Tub Top Opening Length*	Overall Height	Wheels Outer Width	Max Overall Width	Discharge Height	Discharge Reach Beyond Wheel	Tub Base to Ground	Fd Sliding PVC Conveyor, Std. Reach	Wheel Size as Standard
NO. Compared to OEM	1	2	3	4	7	8	14	16	19	20	21	
	m	m	m	m	m	m	m	m	m	m	m	
Tub Feeder Model												
VF800 SD	3.30	4.58	1.63	2.55	2.52	2.24	2.48	0.68	0.25	0.85		400/60-15.5
VF800 RD	3.30	4.58	1.63	2.55	2.52	2.24	2.23	0.50	0.00	0.85		400/60-15.5
VF1000 SD	3.30	4.65	1.81	2.67	2.72	2.24	2.48	0.68	0.25	0.85		400/60-15.5
VF1000 RD	3.30	4.65	1.81	2.67	2.72	2.24	2.23	0.50	0.00	0.85		400/60-15.5
Super Model												
VF1050SD	3.30	4.67	1.93	3.00	2.79	2.21	2.48	0.72	0.26	0.83		235/75R17.5
VF1050RD	3.30	4.67	1.93	3.00	2.79	2.21	2.23	0.55	0.00	0.83		235/75R17.5
VF1250SD	3.50	4.95	1.93	3.10	2.79	2.21	2.68	0.72	0.36	0.83		235/75R17.5
VF1250RD	3.50	4.95	1.93	3.10	2.79	2.21	2.48	0.55	0.00	0.83		235/75R17.5
VF1350SDM	3.50	4.95	2.09	3.15	2.95	2.21	2.68	0.72	0.36	0.83		235/75R17.5
VF1350SD	3.50	4.95	2.24	3.20	3.10	2.21	2.68	0.72	0.36	0.83		235/75R17.5
VF1350RD M	3.50	4.95	2.09	3.15	2.95	2.21	2.48	0.72	0.36	0.83		235/75R17.5
VF1350RD	3.50	4.95	2.24	3.20	3.10	2.21	2.48	0.55	0.00	0.83		235/75R17.5
VF1450SD	3.50	5.05	1.97	3.30	2.83	2.36	2.84	0.72	0.29	0.83		235/75R17.5
VF1450RD	3.50	5.05	1.97	3.30	2.83	2.36	2.63	0.55	0.00	0.83		235/75R17.5
Twin Model												
VF TWIN1500 SD	4.45	6.40	1.63	4.43	2.50	2.21	2.51	0.72	0.33	0.83		235/75R17.5
VF TWIN1650 SD	4.70	6.76	1.78	4.80	2.83	2.25	2.51	0.80	0.29	0.96		435/50x19.5
VF TWIN1850 SD	4.70	6.83	1.93	4.90	2.98	2.25	2.51	0.80	0.29	0.96		435/50x19.5
VF TWIN2000 Farmgard No Rubber Ext	4.70	7.08	1.73	5.48	2.76	2.25	2.68	0.80	0.39	0.96		435/50x19.5
VF TWIN2000 Farmgard With Rubber Ext	4.70	7.08	2.06	5.48	3.09	2.25	2.68	0.80	0.39	0.96		435/50x19.6
VF TWIN2100 SD	4.70	7.05	1.85	5.57	2.88	2.25	2.68	0.80	0.39	0.96		435/50x19.5
Twin Model Tandem Axle												
VF TWIN2250	4.50	7.08	1.93	5.20	3.04	2.25	2.68	0.90	0.39	1.02		435/50x19.5
VF TWIN2450	4.65	7.33	2.09	5.70	3.20	2.39	2.68	0.90	0.39	1.02		435/50x19.5
VF TWIN2650	4.65	7.47	2.05	6.00	3.17	2.39	2.84	0.90	0.39	1.02		435/50x19.5
VF TWIN2850	4.65	7.52	2.15	6.05	3.28	2.39	2.84	0.90	0.29	1.02		435/50x19.5
VF TWIN3050	4.65	7.57	2.32	6.10	3.45	2.44	2.84	0.90	0.29	1.02		435/50x19.5
VF3350 Tri-Auger		9.52	1.95	7.90	3.02	2.25	2.68	0.94	0.29	1.07		455/40xR22.5
Super Model Front Door												
VF1050FD Sliding PVC	3.87	5.24	1.93	3.00	2.92	2.21	2.32	0.70	0.56	0.96	0.45	235/75R17.5
VF1250FD Sliding PVC	3.87	5.52	1.93	3.10	2.92	2.21	2.32	0.70	0.46	0.96	0.35	235/75R17.5
VF1350FDM Sliding PVC PLUS	3.87	5.52	2.09	3.15	3.12	2.21	2.32	0.70	0.46	0.96	0.35	235/75R17.5
VF1350FD Sliding PVC PLUS	3.87	5.52	2.24	3.20	3.27	2.21	2.32	0.70	0.46	0.96	0.35	235/75R17.5
VF1450FD Sliding PVC	3.87	5.69	1.97	3.30	2.97	2.36	2.48	0.70	0.27	0.96	0.25	235/75R17.5

ABBEY MACHINERY DIET FEEDER DIMENSIONS

Abbey Version	Turning Circle. Hitch to Wheel	Overall Length	Tub Height	Tub Top Opening Length*	Overall Height	Wheels Outer Width	Max Overall Width	Discharge Height	Discharge Reach Beyond Wheel	Tub Base to Ground	FD Sliding PVC Conveyor, Std. Reach	Wheel Size as Standard
NO. Compared to OEM	1	2	3	4	7	8	14	16	19	20	21	
	m	m	m	m	m	m	m	m	m	m	m	
Twin Model Front Door												
VF1500FD Sliding PVC	5.02	7.00	1.63	4.43	2.63	2.21	2.35	0.70	0.56	0.96	0.45	235/75R17.5
VF1650FD Sliding PVC	5.28	7.30	1.78	4.80	2.96	2.25	2.32	0.83	0.52	1.09	0.45	435/50x19.5
VF TWIN1850 FD Sliding PVC	5.28	7.40	1.93	4.90	3.11	2.25	2.32	0.83	0.52	1.09	0.45	435/50x19.5
VF TWIN2000 Farmgard No Rubber Ext	5.28	7.88	1.73	5.48	2.89	2.25	2.32	0.83	0.42	1.09	0.35	435/50x19.5
VF TWIN2000 Farmgard With Rubber Ext	5.28	7.88	2.06	5.48	3.22	2.25	2.32	0.83	0.42	1.09	0.35	435/50x19.6
VF2100FD Sliding PVC	5.28	7.98	1.85	5.57	3.00	2.25	2.32	0.83	0.42	1.09	0.35	435/50x19.5
Twin Model Front Door Tandem Axle												
VF TWIN2250 FD Sliding PVC	5.27	7.98	1.93	5.20	3.17	2.25	2.32	0.89	0.42	1.15	0.35	435/50x19.5
VF TWIN2450 FD Sliding PVC	5.27	8.08	2.09	5.70	3.33	2.25	2.32	0.89	0.42	1.15	0.35	435/50x19.5
VF TWIN2650 FD Sliding	5.27	8.11	2.05	6.00	3.30	2.44	2.48	0.89	0.42	1.15	0.35	435/50x19.5
VF TWIN2850 FD sliding	5.10	8.16	2.15	6.05	3.41	2.44	2.48	0.89	0.13	1.15	0.25	435/50x19.5
VF TWIN3050 FD sliding	5.10	8.21	2.32	6.10	3.58	2.44	2.48	0.89	0.13	1.15	0.25	435/50x19.5

All heights to be checked by salesperson prior to selling machine.

* Includes parallel flat top retaining ring which shortens opening (by 150mm each end).

Alternative Abbey Version	Turning Circle. Hitch to Wheel	Overall Length	Tub Height	Tub Top Opening Length*	Overall Height	Wheels Outer Width	Max Overall Width	Discharge Height	Discharge Reach Beyond Wheel	Tub Base to Ground	FD Sliding PVC Conveyor, Std. Reach	Wheel Size as Standard
NO. Compared to OEM	1	2	3	4	7	8	14	16	19	20	21	
	m	m	m	m	m	m	m	m	m	m	m	
NEW VF TWIN1650 SD	4.70	6.76	1.78	4.80	2.67	2.21	2.51	0.72	0.33	0.83		235/75R17.5
NEW VF1650FD Sliding PVC	5.28	7.30	1.78	4.80	2.80	2.21	2.32	0.72	0.33	0.83	0.45	235/75R17.5

Wheels	Height	Width	+ Machine Height re: 235/75	Raiser Req'd Suggested	Suitable for Wheel Speeds	Carrying Capacity	Static Loaded Radius
	mm	mm	mm	mm		kg	mm
Stock Items							
235/75 x 17.5	800	520	0	none	40km/hr	3135	
400/60 15.5 18pr	890	400	95	50	25Km/hr	3875	
435/50 x 19.5	930	435	120	100	40km/hr	5400	420
Special Order items							
455/40R x 22.5	940	455	120	100	40km/hr	4875	433
315/70 R22.5	1025	680	225	150	40km/hr	4600 /pair	470

Top Retaining Rings	Height increase when fitted
	mm
Parallel Flat Top Retaining Ring	50
Raised Top Retaining Ring	190

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