

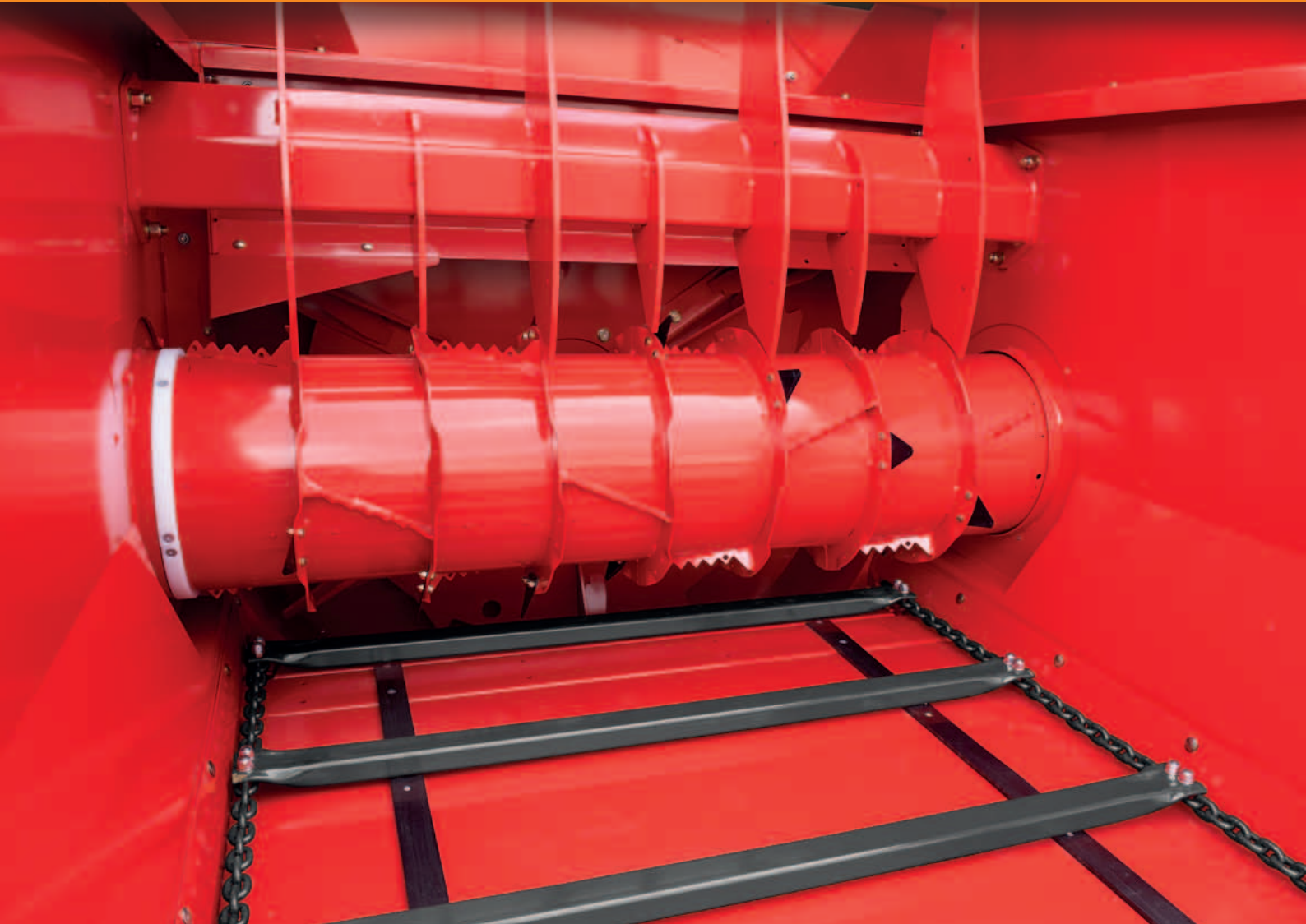
**Bale Chopper/Feeders**  
**852-853, 853 Pro-856 Pro**



# **Bedding and Feeding With Maximized Comfort**



# The Working Heart



## **Unique Drum Design to Handle a Wide Variety of Materials**

The Kverneland 850 range includes a new unique drum – knife configuration. Standard on models 853 and 856, the knives are mounted on angled rings so they pass a fixed 'comb' on alternative sides.

This ensures that the materials are cut and fed into the flywheel chamber evenly, reducing the risk of blockage, offering even discharge and leaving the drum and comb clean.

The drum is fitted with 14 knives as standard, but will accept a further 28 knives according to material type – simply bolt them on in a matter of minutes.

## **Floor Conveyor**

The floor conveyor of the Kverneland 850 range consists of a hydraulically driven chain and slat floor conveyor with variable speed and reversing facility.

The ratio between floor conveyor and shredding drums is carefully designed to ensure smooth material flow. The floor

conveyor runs on two wear strips made of special 'UltraGlide' plastic material to reduce friction and increase chain life. Slat spacing has been specially determined to ensure consistent and even feed to the shredding drums. The strong conveyor slats are designed for quick and easy individual replacement. A rotating marker allows the operator to see the speed and direction of the floor conveyor from the tractor seat. The conveyor has an enclosed lower tray to ensure no spillage or crop loss.



### The Advantages:

- 1.55m flywheel for efficient straw distribution.
- Patented knives configuration on drum for even discharge.
- Wear resistant conveyor configuration for higher durability.

### Flywheel for Maximum Performance

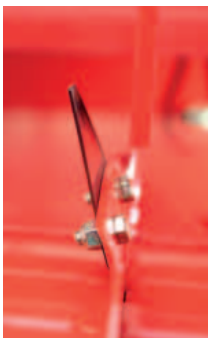
The 1.55m diameter flywheel of the Kverneland 850 series is fitted with 6 blowing paddles, providing a powerful blow for the most efficient distribution of the material and an excellent cleaning of the flywheel housing.

The flywheel does not chop the straw, thus ensures virtual full length material suitable for bedding of covered yard areas.

In combination with the 2-speed gearbox (standard on models 853 and 856), the flywheel can blow straw up to 18m, depending on bedding material and barn-specific conditions.



V-belt drive - low maintenance and quiet drive of the drum.



A patented system - the knives pass the fixed comb on alternative sides for a more even cut.



Heavy duty, wear resistant rollers (PA6) ensure extended longevity and reliable drive of the conveyor.



UltraGlide strips reduce wear to a minimum. (Standard for models 853 and 856)

# The Versatile Chutes for Bedding and Feeding

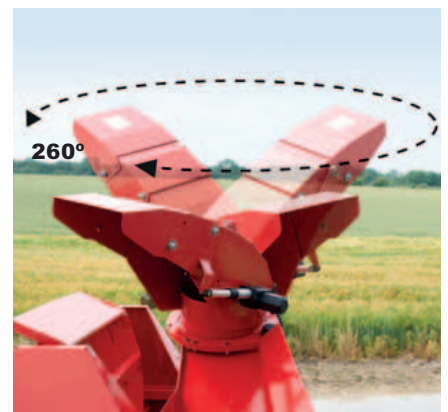


## 2-Speed Gearbox for Bedding or Feeding Configurations

To provide the correct flywheel speed for bedding and feeding the Kverneland 853 and 856 are fitted with 2-speed gearbox (option 852). At lower speed the flywheel ensures a metered flow of silage or hay for feeding. At high speed a powerful blow for the most efficient distribution during bedding is ensured. The gearbox speed is adjusted by the handle on the side of the machine.



Easy shifting from from bedding to feeding on the 2-speed gearbox.



The swivel chute offers a 260° rotation of the chute.



### The Advantages:

- 2-speed gearbox to shift from bedding to feeding.
- Side chute for maximum blowing capacity.
- Swivel chute for precise bedding.

## The Swivel Chute



The Kverneland bale choppers can be fitted with a swivel chute that is suitable for both bedding and feeding purposes. The inclined chute is positioned right above the flywheel where the blow is strongest. This gives a more efficient distribution of the material and reduces the risk of blockages.

The swivel chute allows the operator to direct accurately bedding materials into otherwise inaccessible areas of the barn. The electric actuator controlled end flap of the swivel chute ensures precise adjustment of long distance blowing, whilst the hydraulically operated 260° rotation is quick and robust.

For feeding of hay and silage the material is feed via the feed slide directly on to the floor.

## The Side Chute



The side chute is also suitable for both bedding and feeding purposes.

Without excessive blow the feed can be positioned over barriers, into troughs or onto the floor. The height of the discharge chute is controlled hydraulically, offering simple adjustment from bedding to feeding positions. The lower chute tray and discharge flap are self-adjusting to ensure unrestricted flow according to material type being used.

For bedding purposes the chute is moved up and down using the control terminal. The side chute is able to blow straw up to 18m depending on the material and barn-specific conditions.

# The Efficient and Simple Answer for Bedding and Feeding



The bale retaining kit ensures safe carrying of square bales.

## The Drum and Flywheel

The working heart of the Kverneland 852 is the combination of drum, comb and flywheel – all specifically designed to shred straw bales of various formats. The drum is fitted with spirals of knives and small 'gripper' teeth which take the straw from the bale and feed it evenly into the flywheel chamber.



The drum-comb combination is designed for shredding straw bales in all formats.



For multipurpose of bedding and feeding, a silage kit with extended comb is available.



### The Advantages:

- Mounted version for best manoeuvrability.
- 2m<sup>3</sup> capacity.
- Flexible tailgate enables carrying of additional bales.
- Optional silage kit for feeding and bedding.



## Accurate and Even Bedding

The Kverneland 852 connected to a tractor allows quick pick-up of bales and provides enormous manoeuvrability even on difficult farm places and barn passages.

The economic concept can be upgraded with various options to all farm demands.

For perfect discharge the Kverneland 850 range is available with side chute or swivel chute.



### The Bedding Specialist

The Kverneland 852 mounted bale chopper is specially designed for working with straw for bedding purposes. The 2m<sup>3</sup> chamber offers fast and easy loading of bales and the tailgate offers the possibility to carry an extra bale for improved efficiency.

### Self-Loading of Bales

The hydraulically operated tailgate fitted to the Kverneland 852 provides a convenient self-loading facility for easy loading of square or round bales.



The special design of the tailgate and optional bale retainer offers the possibility to carry an extra round bale.



Convenient and simple self-loading of bales.

# The Flexible Solution



## Convenient Self-Loading of Bales

The hydraulically controlled tailgate fitted to Kverneland offers a self-loading competence for easy loading of round or square bales.

The tailgate also offers the ability to carry a second round bale for increased capacity. Total lift capacity of the rear door is 1200kg.

A bale retaining kit can be fitted to the end of the tailgate to ensure that the bales stay in position during operation.





### The Advantages:

- 3m<sup>3</sup> chamber.
- Trailed version developed for both feeding and bedding purposes.
- Unique drum-knife configuration to handle a wide variety of materials.
- 2-speed gearbox for reduced flywheel speed to shift from bedding to feeding.



The Kverneland 853 is the perfect combination of capacity and flexibility, carrying up to two bales with smaller tractors. The standard configuration is ready for both bedding and feeding purposes.



### The Multipurpose Machine for Bedding and Feeding

The Kverneland 853 is specifically designed to distribute straw, hay and silage. It is a flexible and efficient solution for bedding and feeding when working with baled straw, hay or silage and clamp silage. The solid construction ensures reliable performance and long machine life.

The 3m<sup>3</sup> bale chamber is capable of transporting the largest square bales or 2 round bales. The 2-speed gearbox makes it easy to set the machine for either bedding or feeding purposes. The standard control box allows you to easily control the chutes and speed of the chain-and-slat conveyor during work.



# Blockage Free Dosing and High Blowing Performance



## Focus on User-friendliness

The Kverneland 853 Pro and 856 Pro have seen a number of updates compared to the well-established Kverneland 850 bale chopper range, to meet the highest demands when it comes to operator comfort.

Among the updates is the inclusion of the Drum Feed Control System (DFCS) on 853 Pro, which ensures comfort by blockage free operation.

## Specialised Flywheel Configuration

A dedicated flywheel configuration has been developed for the Kverneland 853 Pro and 856 Pro. To maximise airflow the 1.55m diameter flywheel is fitted with 6 large front blower paddles. These paddles ensure optimum flow towards the chute for an extended blowing distance, as well as an excellent cleaning of the flywheel housing. Additionally the flywheel features 3 main paddles for an increased intake of material from chamber to flywheel.

The flywheel does not chop the straw, thus ensures virtual full length material suitable for bedding of covered yard areas. In combination with the standard 2-speed gearbox the flywheel can throw straw for bedding (at high speed) or gently feed hay/silage at the side of the machine (at low speed).

The 3-stage swivel chute enables the perfect combination of extensive blowing distance and feeding into high troughs.



### The Advantages:

- Upgraded flywheel configuration for increased blowing performance.
- Blockage Free Design (DFCS) on 853 Pro.

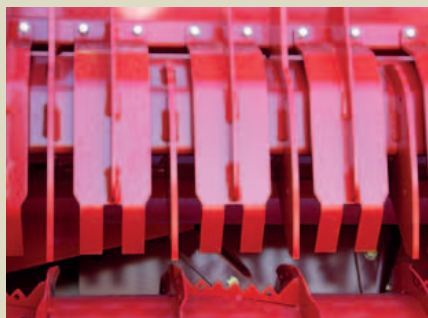
DRUM FEED CONTROL  
System

## Blockage Free Operation when feeding loose materials – Drum Feed Control System (DFCS)

### Easy to Use

During loading the DFCS is engaged, which means that the comb is in a lowered position. This ensures that blockages of the flywheel is minimized during the start up process in loose materials.

Once the flywheel speed is at a sufficient level, all you need to do is to push a button and the DFCS 'fingers' will be gradually disengaged and open for full flow through the flywheel. The progressive release of the 'fingers' offers a more gentle start, protecting the machine and minimizing the risk of blockages. A reliable and simple system with minimum maintenance!



DFCS engaged to reduce the risk of blockages during loading and flywheel start up.



DFCS disengaged for maximum flow through the flywheel.



Extended paddles on the flywheel increase blowing distance and performance significantly.



The two drums of the Kverneland 856 Pro feature the unique design of angled knives passing the 'comb' on alternate sides - even feed to the flywheel, reduced blockage and clean at the end.

# The Pro Choice – Premium in Every Detail



A comfortable control unit shows the actual status of the DFCS. (Model 853 Pro)

## In-Cab and Remote Controls

On top of the control terminal located inside the tractor cab, the Kverneland 853 Pro and 856 Pro are equipped with an additional remote controlled switch for the floor chain and tailgate. The ability to operate these functions directly from the side of the machine saves valuable time during loading.



Operating both tailgate as well as floor chain in a safe distance from the moving parts by using the remote control placed on the side of the 853 Pro and 856 Pro



### The Advantages:

- 3-stage chute for optimized bedding performance.
- Special remote control for tailgate and floor conveyor.
- Easy operating by advanced control box.



## The Pro Chute

The Pro chute offers maximized comfort and is a cost saving solution with less waste and more efficient bedding and feeding process. The Pro chute operates in 3 stages which optimizes the blowing distance when bedding. Depending on the material and conditions of the barn it can blow up to 20m, which allows the farmer to reach the most distant corners of the barn.

Designed with a turning radius of 260°, the system enables easy access to even difficult reachable spaces for complete bedding.

The 3-stage movement also optimizes the feeding performance in flat or high troughs, without blockage even on long fibrous material when processing round bales silage or hay.



### Increased Manoeuvrability

Both Pro models feature as an option an extended drawbar to provide best possible manoeuvrability during operation. The extended drawbar ensures easier operation, especially when turning with larger tyred tractors.



Long drawbar and wide angle PTO for improved turning with larger tyred tractors is standard.



The Kverneland 853 Pro and 856 Pro can be fitted with lighting kit, well protected from damages.

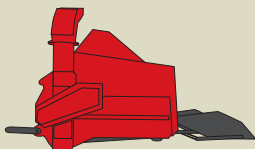
# Everything Under Control

## Control Box

The control box is an easy to learn terminal with focus on functionality and simplicity. The control box gives you full control of all functions from the tractor cab.

The following functions are operated with the control box:

- Speed of the chain-and-slat conveyor.
- Driving direction for the chain-and-slat conveyor.
- Opening and closing of the tailgate, for instance when loading a bale with the tailgate.
- Steering of the chutes for feeding and bedding by joystick. For instance for direct and precise bedding with the swivel chute.
- Control and indication of DFCS position.

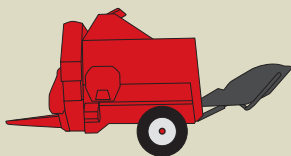


## Kverneland 852

Capacity: 2m<sup>3</sup>

1 round bale up to 1.80m diameter

1 square bale up to max. 1.20x1.20x2.50m

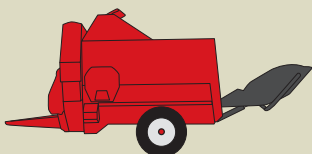


## Kverneland 853 and 853 Pro

Capacity: 3m<sup>3</sup>

1 round bale up to 2.00m or 2 round bales up to 1.50m

1 square bale of up to max. 1.20x1.20x2.70m



## Kverneland 856 Pro

Capacity: 6m<sup>3</sup>

2 round bales up to 2.00 or 3 round bales up to 1.50m

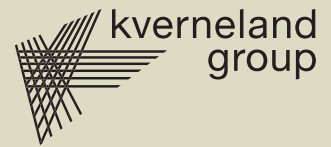
3 square bale of up to max. 1.20x1.20x2.70m



# Technical Specifications

Model	852	853	853 PRO	856 PRO
<b>Dimensions and Weight</b>				
Cubic Volume (m <sup>3</sup> )	2.00	3.00	3.00	6.00
Metering System	Single Drum	Single Drum	Single Drum	Two-Drum
Blowing Distance (straw**) (m)	up to 15	up to 18	up to 20	up to 20
Gearbox Specification, 2-Speed	1- or 2-speed*	2-Speed	2-Speed	2-Speed
Chassis	Mounted	Trailed	Trailed	Trailed
<b>Dimensions</b>				
Overall Length - Door Closed (m)	2.87	3.80	3.95	5.10
Overall Height - Side Chute (m)	2.20	2.31	2.31	2.40
Overall Height - Swivel Chute (m)	2.60	2.67	2.66	2.66
Overall Height - Swivel Chute open (m)	2.70	2.70	3.06	3.06
Overall Width - Machine (m)	2.14	1.85	1.85	1.95
Overall Width - over Tyres (m)	-	2.04	2.04	2.10
Overall Width - Side Chute open (m)	2.62	2.65	2.65	2.65
<b>Capacity</b>				
Load Capacity (kg)	800	1250	1250	3000
Unladen Weight (kg)	1300	1750	1850	2250
Max. Round Bale Width (m)	1.35	1.35	1.35	1.35
Max. Round Bale Diameter (m)	1.80	2.00	2.00	2.10
Max. Square Bale Size (m)	1.20x1.20x2.50	1.20x1.20x2.70	1.20x1.20x2.70	1.20x1.20x2.70
Bale Retaining Kit	o	o	o	o
Remote Control	o	o	•	•
<b>Discharge</b>				
Discharge Height Max - Side Chute (m)	2.25	2.25	2.25	2.25
Discharge Height Max - Swivel Chute (m)	-	2.70	3.05	3.05
Side Chute (2-flap)	•	•	•	•
Swivel Chute	2-stage	2-stage	3-stage	3-stage
<b>Attachment to Tractor</b>				
Power Requirement at PTO (kW/HP)	40/55	48/60	48/60	56/75
PTO Input Speed (rpm)	540	540	540	540
Wide angle PTO	NA	•	•	•
Safety Protection	PTO Friction Clutch & Overrun			
Tractor Flow Requirement	40 litres/min @ 180 bar			
Tractor Hydraulic Requirement	1 x Flow and Return			
Number of Knives on Drum	14 x Standard - 28 extra optional			
Wheel Equipment	-	10x15.3x10ply	10x15.3x10ply	11.5x15.3x14ply
• = Standard o = Optional - = Not Available * 2-speed gearbox as option. ** Depending on barn-specific conditions.				

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## Kverneland Group

**Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.**

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery.



## Original Spare Parts


**Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance - whilst ensuring a low cost life-cycle. High quality standards are achieved by using innovative production methods and patented processes in all our production sites.**

Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.



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