BEDDING UNROLLING







HYDRAULIC SIGMA · PTO SIGMA · DELTA · VULCANO · MULTI'SPREAD · PICK&GO

HYDRAULIC SIGMA STRAW BLOWER

HOW IT WORKS

Designed for telescopic handlers and loaders, the Sigma turbine straw blower allows spreading round and square bales up to 15 or 18 metres away.
Exclusivity: The patented «V-Cut» System cuts mechanically the bale bindings on both round and square bales.
It cuts the bale nets and bindings under the bales and thus facilitates their removal by the user.

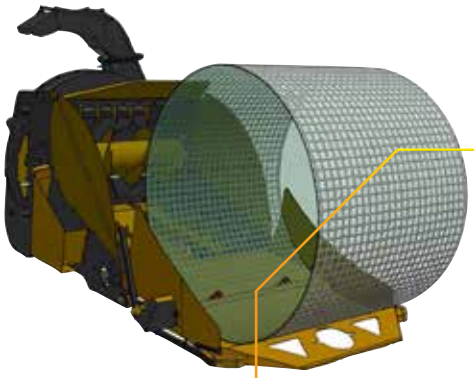


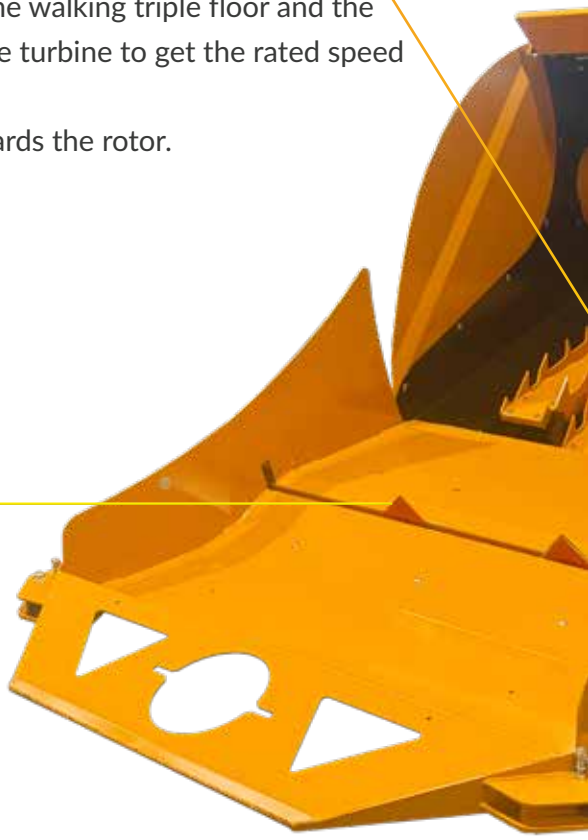
Robustness and reliability:

The maintenance-free walking triple floor drives the bale towards the rotor which feeds the turbine.
As soon as the turbine lowers in speed, the walking triple floor and the rotor stop automatically, thus enabling the turbine to get the rated speed (hydraulic automatic control).
Regular and even flow from the bale towards the rotor.



External door control via the side control box





Safety:

No more sharp tools in the user's hands.
The cutting system is activated from the control box set on the side of the spreader.
Eliminates uncomfortable and dangerous positions.

Comfort and time saving:

The V-CUT net/binding cutter ensures a mechanical cutting for an optimised comfort for the breeder.
Effort-free operation to remove the bale bindings.

STANDARD EQUIPMENT

• Walking triple floor (Patented): 2 hydraulic motors integrated in the body • Automatic regulator of the straw quantity swallowed by the swivel chute • Rotor: one hydraulic motor is integrated in the rotor, spiral shape to optimize output and hydraulic power consumption • Turbine: Directly driven by the hydraulic motor. Removable bolted blades. Turbine outline in Hardox • Flared loading door: Opening of the door by 2 rams, with retaining arms for square bales • Retractable retaining tines for square bales with spring-loaded • EMILY'Connect selector box in the cab • Stone box to collect foreign bodies

OPTIONS

- Rotor with sections and high-efficiency motor
- V-Cut System
- 150° swivel chute Spreading distance 18m
- Fogging system (50L tank)
- External door control (included in the V-Cut Sytem)
- Speed control of the walking triple floor from the cab
- Flow divider if flow > 110L/min

PATENTED
PATENT APPLIED



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2019 Innov' SPACE

INEL d'OR



Precision:

260° swivel chute or 150° side chute.
Bedding up to 15 or 18 metres away.



150° side chute: Bedding up to 18 metres away.

Optimisation :

Optimised weight (close to the headstock), optimised visibility and offset.
Retaining arms integrated into the machine.

Performance :

Standard rotor or rotor with sections: for a more regular feeding with difficult straw.
Turbine directly driven by the hydraulic motor.

Ergonomics:

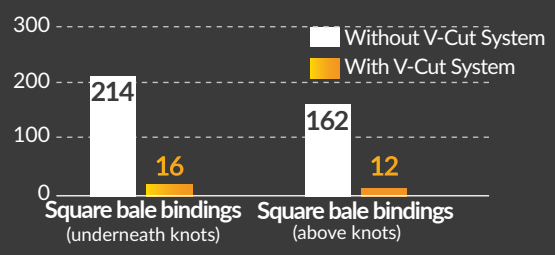
EMILY'Connect selector box (as standard) with a conveyor chain speed variator from the cab: Reliability (CANBUS) EMILY CONNECT ease of use and ergonomics.
Control all Emily attachments with your selector box (Vega, Omega, Melodis...)..



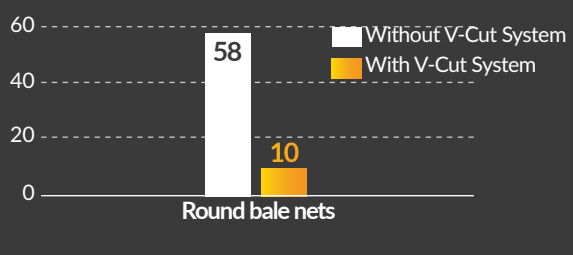


COMPARATIVE WITH/WITHOUT V-CUT SYSTEM

THE FORCE EXERTED BY THE EXTRACTION (IN KG): BIG



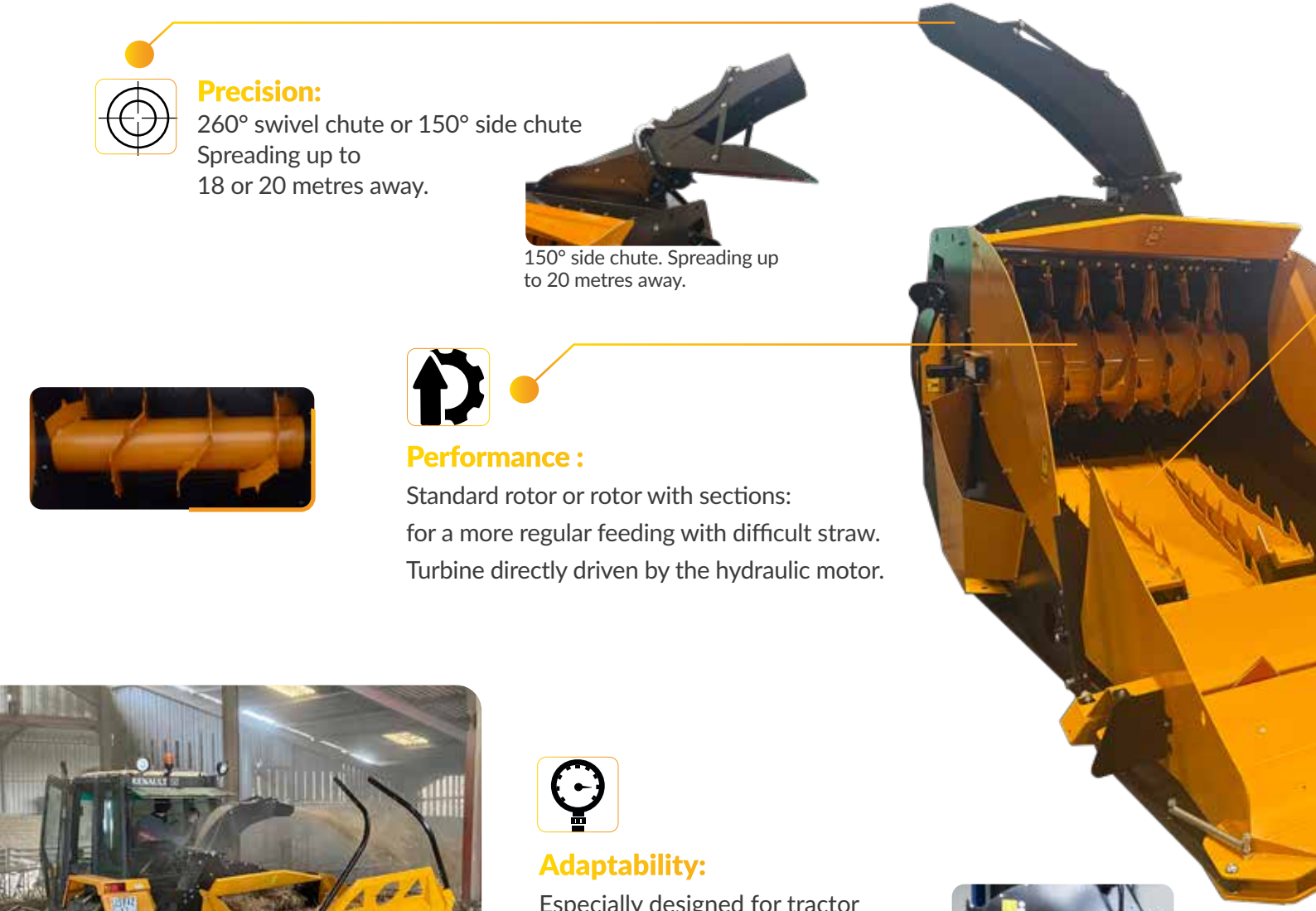
THE FORCE EXERTED BY THE EXTRACTION (IN KG): ROUND



PTO SIGMA STRAW BLOWER

HOW IT WORKS

Designed for the tractor 3-point rear linkage, the Sigma PTO straw blower allows spreading round and square bales up to 18 or 20 metres away.
Exclusivity: the patented «V-Cut» System cuts mechanically the bale bindings and facilitates their removal by the user.



Precision:

260° swivel chute or 150° side chute
Spreading up to
18 or 20 metres away.

150° side chute. Spreading up to 20 metres away.

Performance :

Standard rotor or rotor with sections:
for a more regular feeding with difficult straw.
Turbine directly driven by the hydraulic motor.



Adaptability:

Especially designed for tractor 3-point linkage use.



STANDARD EQUIPMENT

• Double speed gearbox (270/540 t min) • Walking triple floor (Patented) with 2 hydraulic motors integrated in the body • Speed of the floor can be adjusted from the cabin by the control box • Rotor: hydraulic motor is integrated in the rotor, spiral shape • Turbine: 8 removable bolted blades. Turbine outline in Hardox • Flared loading door: opening of the door by 2 rams, with retaining arms for square bales • Electric remote control box in the cab • Stone box to collect foreign bodies

OPTIONS

- Rotor with sections and high-efficiency motor
- V-Cut System
- 150° swivel chute Spreading distance 20m
- Fogging system (50L tank)
- External door control (included in the V-Cut Sytem)

PATENTED
PATENT APPLIED



Innov' space
MECANIC SHOW 2019

Robustness:

The maintenance-free walking triple floor drives the bale towards the rotor which feeds the turbine.
Regular and homogeneous flow from the bale towards the rotor.





External door control via the control box

Safety:

No more sharp tools in the user's hands.
The cutting system is activated from the control box set on the side of the spreader.
Eliminates uncomfortable and dangerous positions.

Comfort and time saving:

The V-CUT net/binding cutter ensures a mechanical cutting for an optimised comfort for the breeder.
Effort-free operation to remove the bale bindings.



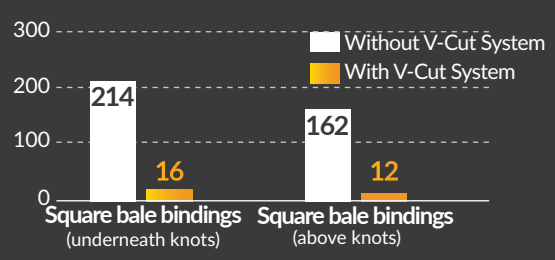
Ergonomics:

Electric remote control box in the cab as standard.
For optimum ease of use and comfort.

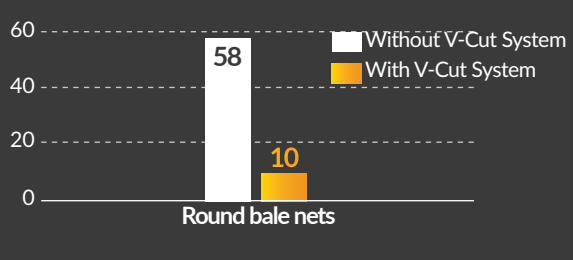


COMPARATIVE WITH/WITHOUT V-CUT SYSTEM

THE FORCE EXERTED BY THE EXTRACTION (IN KG): BIG



THE FORCE EXERTED BY THE EXTRACTION (IN KG): ROUND



DELTA BALE UNROLLER SPREADER

HOW IT WORKS

The Delta Bale Unroller Spreader with 180° orientation allows bedding up to 6 metres away and unrolling wrapped bales and hay.
Designed for telescopic handlers, front loaders (depending on the model), and front and rear linkage.

Comfort:

Hydraulic loading door with Easy Load arm (optional): only one control to open the door and telescope the loading arm, without leaving the cab.
Left-hand side loading on telescopic handler: for an excellent visibility.
Loading of any bale diameter: thanks to the automatic adjustment of the arm and door movement.
Sealproof bottom.





Ergonomics: EMILY CONNECT

EMILY'Connect selector box (as standard) with a conveyor chain speed variator from the cab: Reliability (CANBUS), ease of use and ergonomics.
Control all Emily attachments with your selector box (Vega, Omega, Melodis...).

Robustness:

Powder-coated slats.



Adaptability:

Removable and offsetable adaptation.
Oil flow divider as standard: Adapts to all machinery handlers.
Integrated hydraulic offset with optimised offset (optional).



STANDARD EQUIPMENT

- Emily'Connect selector box in the cab with a conveyor chain speed variator
- Conveyor chain driven by a hydraulic motor
- **With spring tines :** hydraulic lifted straw spreader
- **With spinning discs :** removable discs with fast connection

OPTIONS

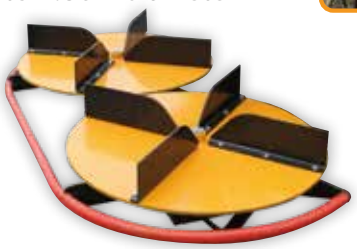
- Loading door with mechanically adjustable telescoping arm
- Easy Load System (hydraulic telescoping arm + synchronization)
- Hydraulic offset (+/-300mm)
- Emily'Connect Selector box for Delta (with beam and sockets for the equipment of a second machinery handler)



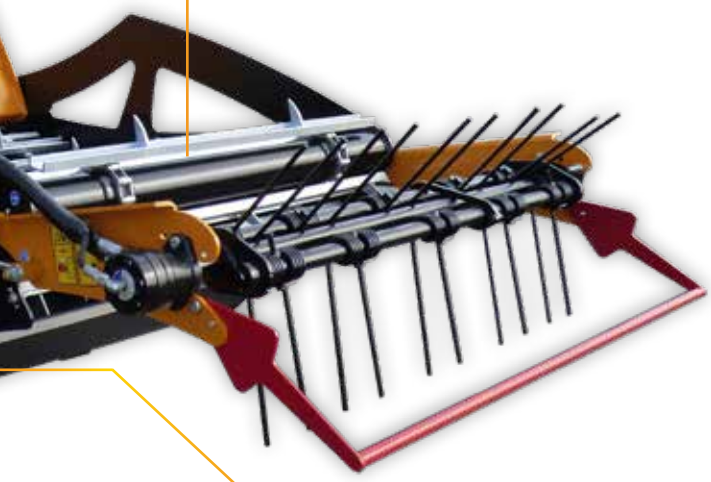
Versatility:

Unrolling and bedding with only one machine.
2 models: with spring tines (spring tines hidden under the body for a compact machine) or with discs (discs with a protecting bar).
Adapted to any bale from 1.20m up to 1.80m diameter









Safety:

Anti-winding kit around the spreader and chain guides.

Efficiency:

Gear and ring assembly (600mm) driven by a hydraulic motor: ensures a regular and constant motion.
Cut-out side frame for an excellent visibility.
Fully integrated hoses.





	Delta with spring tines	Delta with spinning discs
Bales diameter (m)	1,20 to 1,80	
Maximum weight of the bales (kg)	800	
Weight (kg)*	1200	1300

* The weight is not contractual.

VULCANO TRAILED BALE SPREADER

HOW IT WORKS

The Vulcano Trailed Bale Spreader spreads from 5 up to 9 metres wide square bales (1.2 x (0.7/0.9/1.2) x 2.5m) and round bales up to 1.80m (bulk products kit for chopped straw... optional). It fits any machinery handler equipped with a towing coupler or a linkage arm.
For tractors and compact tractors (> 40 HP), a minimum hydraulic oil flow of 45 L/min is required.



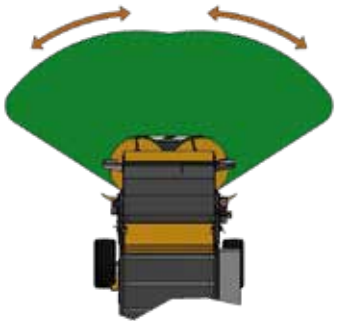
Robustness and longevity:

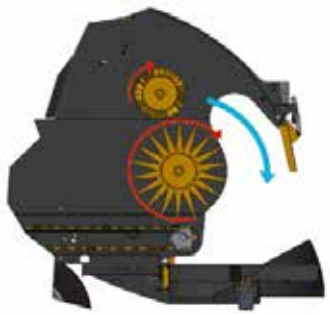
2-position anti-projection hood: facilitates bale loading.
Sturdy body and monocoque chassis.
Monocoque side panel
Bottom (3mm) reinforced at the flat chain conveyor belt support (6mm).



Performance:

High-speed spreading rotors: optimised teasing out of the straw, ensuring a homogeneous and regular bedding.
Large diameter discs with adjustable blades with lateral fins to adjust the spreading width from 5 up to 9 metres.
Conveyor floor speed variator controlled directly from the control box in the cab.





Ease of use:

Large tyres for a better ground load distribution.
Simple and quick adjustments to implement.
Easy hitching and unhitching.
Integrated hose storage.

STANDARD EQUIPMENT

• Coupling bar (CAT2) • Monocoque chassis and body with a flat chain conveyor belt • Transmission shaft with a Ø40mm chain with tensioner bearings • Electroproportional adjusting and control box in the cab • Square axle 60x60 and large tyres 13.0/55-16 • Synchronized and floating anti projection hydraulic deflector • Inferior helical spreading rotor Ø580mm and top spreading rotor Ø330mm • Pipeline hood with rear deflector and spreading disc support on adjustable rail • 2 discs Ø900mm, composed of 4 adjustable blades • Side blades and adjustable rear deflectors • Machine not homologated for road use

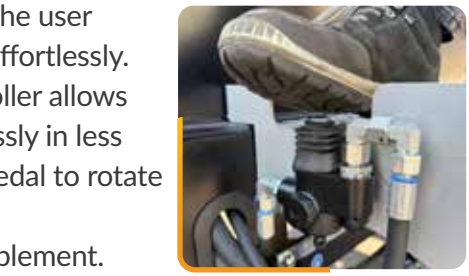
OPTIONS

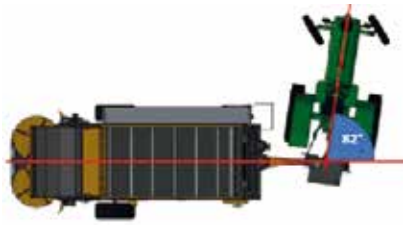
- Running board
- Patented X-Tract System (Net/Bindings Extractor) + running board with handrail)
- Bulk products kit (sawdust, chopped straw, woodshavings - working volume 5m^3)
- Agrarian wheels 10,5/80-18
- Led lights for road homologatio (not authorized for road traffic)
- AGILITY Hydraulic central



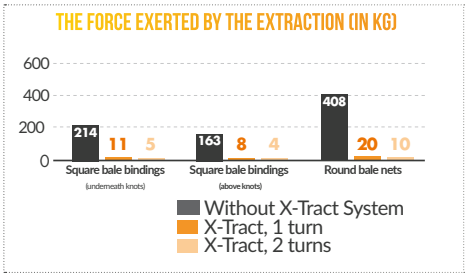












Comfort and time saving:

The Vulcano features an ergonomic running board with handrail (optional) that allows the user to cut the bale bindings safely and effortlessly.
The X-Tract net/binding extractor roller allows the removal of the bindings effortlessly in less than 15 seconds by operating the pedal to rotate the extractor roller.
Simple and quick adjustments to implement.

Safety:

The Agility hydraulic central unit is positioned on the tractor's 3rd rear point: eliminates any risk of accident or interference with the transmission shaft.
Very large steering angle.
The Agility offers comfort and versatility to the user, giving the possibility to use low-powered tractors with low oil flow for poultry bedding.
Prevents oil mixing between different tractors.

AGILITY HYDRAULIC POWER PACK& X-TRACT SYSTEM COMPONENTS

Volume (m^3)	2,9
Volume with side extensions (m^3)	5
Weight (kg)*	1650

* The weight is not contractual.

X-TRACT SYSTEM • Patented X-TRACT System (running board with handrail)• Integrated motor in the extractor • Flat roller for safety • Pedal for the roller rotation

AGILITY HYDRAULIC POWER PACK • Adapts to 3rd rear point of the tractor (Cat 1 and Cat 2 ; and Cat 0 or Cat 1N from 35HP compact tractor) • A very large steering angle (distinctive to the competition) • Hydraulic oil flow 47L/min at 540rpm • Maximum pressure : 180 bars • Parking supports • Electric control unit for straw spreader functions (high-precision potentiometer for conveyor drive)

MULTI'SPREAD BEDDING BUCKET

HOW IT WORKS

Available on front loader, 3rd point of linkage, telescopic handler and loaders, the Multi'Spread spreads a large variety of light products destined for animal bedding.
It spreads a uniform layer from 8 to 15 metres width in one passage , but also enables precise re-bedding of soiled areas thanks to the patented side spreading deflector.



Versatility:

The Multi'Spread is suitable for poultry, dairy cattle, but also any other breeding type requiring light material spreading in a bedded area.
Rotocut straw, chopped straw, defibred straw, miscanthus, sawdust, woodshavings, buckwheat husk, pellets.

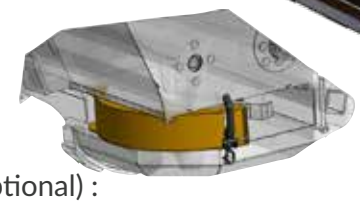


Performance:

1 minute to spread 4m³ of straw.
Full self-loading: load and bed without leaving the machinery handler.
Quick hitching: immediate operation, with no time wasted when changing equipment.
Spinning discs (optional) for wide width (15 metres).
Complete autonomy on the bedding site.







Precision:

The patented side spreading deflector (optional) :
lateral bedding with a projection angle of only 21°.
Ideal for the perimeter of chicken houses, re-bedding under the various elements of the henhouse (nipple drinkers, food chains, hatcheries, perches...) , and bedding of cubicles in dairy farming.
Easy setup in 5 seconds without screws or bolts.

STANDARD EQUIPMENT

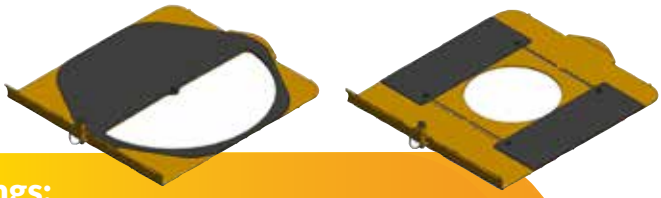
- 2 synchronized screws to push the ration through propellers
- 2 spreading propellers driven by 2 direct motors
- Standard model with a predisposition for all the options

OPTIONS

- Extension 4m³
- Regulation trapdoor for chopped straw (x2)
- Regulation trapdoor for sawdust, granules (x2)
- Adjustable and sealproof hydraulic doors
- Side spreading blades x2
- Side spreading deflector (x1)
- Spreading discs for wide spreading x2
- Oil flow controller







Cost savings:

Precise management of the quantity of bedding spread, with regulation doors (optional).
The user can thus instantly adapt the flow rate according to the type of building, the surface area to be covered or the animals' needs.



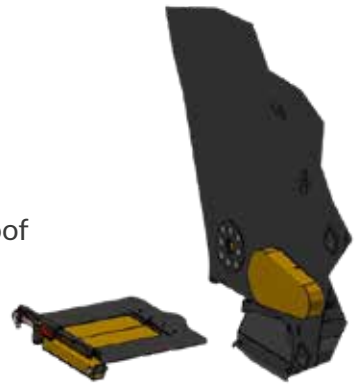


Efficiency:

Thanks to the 3 retractable side spreading blades (optional), the user manages the spreading width and material distribution.
Synchronised conveyor screws ensure a homogeneous and regular bedding on both sides.

Cleanliness:

Removable, synchronized sealproof hydraulic doors (optional).
Cleanliness during transport.





MACHINERY HANDLER	Front loader Linkage of tractor	Telescopic handler
Width (m)	2,20	
Overall width (m)	2,31	
Working volume (m^3)	3,4	3,4
Preconization for the oil flow	Oil flow < 40L/Min	Oil flow > 40L/Min
Weight (Kg)*	760	760

* The weight is not contractual.

BALE UNROLLER SPREADER

PICK & GO

PATENTED PATENT APPLIED



HOW IT WORKS

The bale unroller spreader unrolls round bales (wrapped bales, alfalfa, hay, etc.) and spreads round bales up to 6 metres.
Fits onto tractors (front/rear linkage), front loaders and telescopic handlers.

Performance:

Numerous options:
Bale retention crossbar. 1
Cubicle kit 2 composed of a flap, side deflectors and a double visor: refines the straw drop point and limits fallout in the corridor.
Bale retention sheet (for deformed bales).











Ease of use:

Compact size.
Simple to set up and requires low maintenance.

Robustness and durability:

Helicoid and staggered spreader teeth to loosen the bale on its entire width.
Large diameter spreader with free wheel system.
Bale support roller with straw guard flap.

Adaptability:

Removable side for use on the rear of a tractor.

Versatility:

2-in-1: unrolls and spreads.
4 models available.





Comfort:

Patented Pick & Go bale fork carrier: hitching is achieved without the need to leave the cab.
Fits onto the whole Pick & Go range.
Gear drive system.

STANDARD EQUIPMENT

Bale unroller spreader : • Teflon guide under the chain • Roller chains • Large diameter spreader with free wheel system • Bale support roller with straw guard flap • Patented gear system with reinforced toothed wheels
Pick & Go bale fork carrier: • Bale fork carrier Cat.2 and 3rd rear point Cat.2 • Forks Ø45mm tines - Length 1200mm • Hydraulic motor included: -one motor for the unrolling conveyor chain (with manual flow restrictor for the spreading) -one motor for the spreading (with a valve to stop the spreader when feeding)

OPTIONS

- Bale retention sheet
- Cubicle kit
- Bale retention crossbar (Ø > 1.60m or for chopped straw)
- Electro proportional speed variator

	Left front spreading		Right front spreading	
Type	Right unrolling	Left and right	Left unrolling	Left and right
Weight (kg)*	970	1040	970	1040

* The weight is not contractual.

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PROSPECTUS

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