

# LELY ATTIS

Round bale wrappers



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*innovators in agriculture*



# The best forage comes well wrapped



## Effective wrapping

Depending upon the crop and the required storage period, the number of film layers can easily be set. The wrapping table automatically sets the required number of rotations and ensures correct overlap of the film layers.



## Careful unloading

Attis wrappers unload the bales gently back to the ground. Film damage is avoided and the bale keeps its shape.



## Sealing in the quality

Once the material is compressed in the bale, the fermentation process sets in quickly. This causes the silage to heat up pretty fast and that means loss of quality. Therefore the bales need to be airtight as soon as possible. Fast and efficient wrapping is the solution.

The Lely Attis range of wrappers match even the highest capacity round balers available leaving no bales unwrapped. Such fine-tuning, along with careful handling of the bales, forms part of all cost-reducing factors that eventually contribute to profitable harvesting results.



### Driving during wrapping

Wrapping and transporting bales takes time. Combining these operations increases output and saves time. With the PT 160 model, wrapping can even take place simultaneously.

### Robust chassis gives a long life span

Formed and folded parts minimize cutting and welding and their inherent weakness.



# What you feed is what you get!



## Harvest results.

A million cows are milked daily by Lely robotic milking systems but it's not only the Astronaut that makes robotic milking such a success. It's the knowledge and experience of our employees that help farmers to achieve the best results with their herds.

That's why we know – more than anybody else – that good quality roughage is the basis of your success. It ensures good animal health, maximum fodder intake and avoids additional cost for concentrates and additives...

Your forage harvesting is the start for good and efficient milk and meat production.









## Fast pick-up and gentle discharge of bales

Lely Attis round bale wrappers are fitted with different systems to pick up and lower bales. Yet they have two things in common. They place the bale on the wrapping table effortlessly, without impairing the shape of the bale and the bale is always lowered gently to the ground avoiding film damage. Both the Attis PT and PS 160 models allow simultaneous transport of bales on the wrapping table and on the loading arm.



#### Effective loading arm

Bales are placed effortlessly on the wrapping table in one sequence.

## Secure bale pick-up with a strong loading arm

The build of the rugged loading arm is very solid and it ensures that bales are placed on the wrapping table without effort and in one single movement. The PT 160 model has an adjustable loading arm allowing the machine to pick up both large and small bales.

## Corrective in-line loading system

The in-line loading arms of the Attis PS 160 open wide and pick the bale up easily even at high speeds. As soon as a bale is in position, the arms are closed in a tight grip, lifting the bale onto the wrapping table in one sequence. The arms ensure that bales, which are not well positioned, are correctly presented at the front of the wrapping table.

## Driving when wrapping

The bale guides keep the bale in a firm position on the wrapping table. This makes it possible to drive during wrapping. The bale remains firmly positioned on the wrapping table, even in hilly conditions.

## Gentle discharge of bales due to the low position of the wrapping table

The position of the wrapping table of the PT 130 and PS 160 models is exceptionally low. After the wrapping process, the table tilts backwards and gently rolls the bale onto the ground. This eliminates the risk of film damage.

## Active bale discharge system on PT 160

The Attis PT 160 features an active bale discharge system. When the bale is wrapped the wrapping table tips backwards and releases the bale on to the active bale discharge system which is raised. It then gently lowers the bale to the ground.



#### Gentle discharge of bales

All Attis models have their own way of lowering the bale gently to the ground to avoid film damage.





## Proper wrapping for high-quality fodder

To ensure proper fodder conservation, tight and airtight packing of the bale is essential. The fermentation process can then start quickly. Depending upon the crop and the required storage period you can easily set the number of film layers yourself. The wrapping table automatically sets the required number of rotations and ensures correct film overlap. An acoustic signal tells the operator when the wrapping process is finished.



## Wrapping with pre-stretching and correct overlap

Once the bale is positioned on the wrapping table, the wrapper accelerates up to the correct speed in a controlled manner. The wrapping program automatically runs the pre-set number of rotations and ensures correct overlap of the film layers. Thanks to the exchangeable gears on the pre-stretchers, the film is wrapped around the bale with a 55% or 70% pre-stretch.

## Consistent wrapping across the centre of the bale

To be able to wrap the film across the centre of both small and big bales, the stretchers of the Attis PT 160 and PS 160 models are height-adjustable.

## Film clamps ensuring a tight grip

When the wrapping program has completed the correct number of rotations, the film clamp holds the film tightly. A strong sharp knife cuts the film neatly. The film clamps hold the film tightly and the next wrapping cycle can begin.

## Easy change of film rollers

A quick lock system on the film stretchers ensures that the empty rolls of film can be changed easily and quickly. The film stretcher is opened and closed by adjusting a lever.



# Lely Attis – a strong construction due to advanced production techniques

The simple yet exceptionally strong frame construction ensures long machine life. Wherever possible, the steel tubes were manufactured from one piece of steel rather than welding, thus reducing welding seams to the bare minimum. In addition to the appeal of this type of construction, it also offers the advantage of improved strength due to less parts. A square tube is shaped into exactly the right angle without undue deformation while maintaining proper wall thickness.

## Extra strong wrapping arms

The strong wrapping arms of the PS 160 model consist of one piece and are made from steel box section. Strength is further enhanced with the absence of welding seams.



## Large gears and a heavy chain

The drive line of the wrapping table has exceptionally large gears and a heavy drive chain for a long life span.



## Robust design of the drawbar

The draw bar is of a very strong build and can withstand heavy force. Hitch height is adjustable to ensure effective coupling to the tractor.



## Strong loading arm

The loading arm of the PT 130 consists of one single part.







## Our experience can't be bought – that's why you get it for free!

You work with our machines in the great outdoors, an environment that is greatly influenced by the soil, weather and other external factors. New challenges are presented to machines every day. If you run into a problem it is essential that any breakdowns resulting from damaged parts are limited to an absolute minimum. It is for this reason that our dealers are geared up to respond rapidly, so that your activities can be resumed as soon as possible. They hold stocks of the most essential parts and have the expertise needed to get the machine in question performing optimally again. Furthermore, they can rely on the back-up of the Lely organisation seven days a week. So opting for Lely entails more than just choosing a machine. We ensure that your forage harvesting goes smoothly.









# Lely Attis



PT



PS



## Lely Attis PT

The Lely Attis PT models are trailed round bale wrappers with a turntable. The loading arm places the bale on the turntable and the bale guides keep it firmly in position. Thus, the wrapping process can continue when on the move. Due to the exceptionally low bale discharge, film damage is avoided.

### TECHNICAL SPECIFICATIONS

ATTIS	PT 130	PT 160
Bale diameter (cm)	90 – 130	90 – 160
Bale width (cm)	125	125 – 150
Max. bale weight (kg)	1,000	1,200
Dimensions l x w x h (cm)	470 x 255 x 230	580 x 230 x 270
Weight (kg)	1,080	2,080

## Lely Attis PS

This trailed round bale wrapper is outstandingly versatile as bale diameters may vary between 100 and 160 cm. High output and ease of use are key features of this wrapper. Due to the unique design of the hydraulically controlled draw bar, the wrapper can follow the tractor in both the inline and offset positions. It can also transport a second bale.

### TECHNICAL SPECIFICATIONS

ATTIS	PS 160
Bale diameter (cm)	100 – 160
Bale width (cm)	125
Max. bale weight (kg)	1,500
Dimensions l x w x h (cm)	480 x 255 x 310
Weight (kg)	1,655



## Lely Attis PT

Lely have developed two turntable trailed wrapper models with a loading arm. The PT 130 is the basic model featuring a rugged loading arm, exceptionally low wrapping table and semi-automatic control. Due to the wide variation in bale sizes, the Lely Attis PT 160 bale wrapper is the most versatile wrapper in today's market place. This bale wrapper includes fully automatic controls and an active bale discharge system; it can also transport a second bale.





#### Adjustable track width

Turning in the right-hand rear wheel reduces the track width by 35 cm.



#### E-link Basic

The Lely Attis PT 130 is equipped with an E-link Basic semi-automatic control to steer an automatic program or each separate function.



## Lely Attis PT 130 – Tremendous output

The Lely Attis PT 130 is fitted with a loading arm that can place bales with a diameter of up to 130 cm and a weight of up to 1,000 kg on the wrapping table in one sequence. The bale guides keep the bale firmly positioned on the wrapping table so that the wrapping process continues while moving on to the next bale. Depending upon the number of film layers, these wrappers can wrap up to 60 bales per hour.

## Always the correct number of film layers

The Lely Attis PT 130 is equipped with an E-Link Basic semi-automatic control unit for automatic operation or for using each function individually, i.e. loading, wrapping, cutting film and discharging. A rotation counter gives the operator an acoustic signal once the wrapping table has completed the correct number of rotations. When the operator stops the wrapping table, the film clamp closes and the wrapping table is tilted backwards.

## Adjustable pre-stretch system saves film

The pre-stretchers can be fitted with 500 mm or 750 mm film rollers.

The adjustable pre-stretch system saves film and ensures that the film is wrapped tightly around the bale. Thanks to a quick lock system an empty film roll can be replaced quickly and easily. The draw bar has the capacity to carry three additional rolls of film.

## Compact on the road

Switching from a working position into a compact transport position is easy. Simply lift the right-hand rear wheel with the loading arm and change the wheel position. This reduces the track width by 35 cm.

## Gently lowering to the ground

Due to the exceptionally low build of the PT 130 model, the wrapped bale is lowered to the ground gently after the wrapping table is tilted backwards.

## Solid construction for intensive use

The simple yet outstandingly rugged construction of the frame, combined with the robust steel tubing, ensures long machine life.



#### Transporting a second bale

It is possible to carry a second bale on the loading arm.



#### Counter-weight for enhanced stability

With its low centre of gravity and counter-weight for enhanced stability, the PT 160 is ideally suited for working on slopes.



#### Compact transport position

By folding up the loading arm, the PT 160 is quickly ready for transport. The compact design ensures the machine is narrow for transport and it also requires little space for storage.



## Lely Attis PT 160 – a versatile wrapper

The Lely Attis PT 160 bale wrapper is the most versatile wrapper in today's market place. Due to the adjustable bale guides, bale widths can be varied between 125 cm and 150 cm. The adjustable loading arm will load bales with a diameter from 90 to 160 cm onto the wrapping table in one sequence. As the pre-stretcher is height-adjustable, this wrapper can always wrap the film across the centre of the bale irrespective of bale size.

## Always the correct number of film layers

The Lely Attis PT 160 is fitted with an E-link Plus fully automatic control unit. The wrapping program can be configured according to the operator's individual wishes and each function can also be controlled manually. With a pause button you can temporarily interrupt the process, if for example you have to negotiate a narrow passage or if you want to unload the bales at a central location.

## Smartly engineered film holders save costs

The PT 160 wrapper is equipped with a pre-stretcher, which can be fitted with 500 or 750 mm film rollers. The adjustable pre-stretchers ensure a pre-stretch of 55% or 70%. This saves film and ensures that the film is wrapped tightly around the bale. A sensor warns the operator if the film breaks or when it needs to be replaced. Thanks to the quick lock system an empty film roll can be replaced quickly and easily. The draw bar has the capacity to carry three additional rolls of film.

## Solid construction for intensive use

The simple and exceptionally reliable frame construction ensures long machine life. Wherever possible, steel tubes were manufactured from one piece of steel rather than welding thus reducing welding seams to the bare minimum.





#### Gently lowering onto the ground

The Attis PT 160 features an active bale discharge system. As soon as the wrapping table tips backwards, the active bale discharge system is raised and takes over the bale from the wrapping table. The film is cut off neatly and held in position for the next bale. Subsequently, the bale discharge system lowers the bale gently to the ground thus avoiding damage to the film. This discharge system can also be fitted with a bale tipper allowing the operator to tip the bale on its end.







## Lely Attis PS

Output, flexibility, ease of control and sustainability are crucial for wrappers that are used intensively. Lely has taken all of these points into consideration when developing the Attis PS 160. This is the ideal machine for large farms and contractors alike due to the short time required for loading, wrapping and discharging, as well as the outstanding ease of use of the fully automatic E-Link control handset, versatility in terms of bale sizes and the rugged construction of the machine.





## Attis PS – arms open wide for bales!

The two wide opening in-line loading arms of the PS 160 model ensure a corrective action. Bales that are not correctly presented are pushed straight in front of the wrapping table by the loading arms. As soon as the bale is in position, the arms and their top ends move inwards ensuring a tight grip on the bale. The loading arms place the bale on the wrapping table in one sequence.

## Outstandingly versatile operations

The Attis PS 160 is outstandingly versatile since bale diameters may vary between 100 cm and 160 cm. To ensure efficient wrapping of various bale diameters, the pre-stretchers are height-adjustable, so that the film is always wrapped across the centre of the bale. This is possible through a pivoting point in the support of the wrapping arms. The height of the pre-stretchers can be adjusted by means of a spindle or, as an option, through the tractor hydraulics.

## Two film holders means increased output

The Attis PS 160 wrapper is equipped with two pre-stretchers, which can be fitted with 500 or 750 mm rolls of film. Depending upon the number of film layers, this wrapper can process up to 90 bales per hour. The adjustable pre-stretchers ensure a pre-stretch of 55% or 70%. This saves film and ensures that the film is wrapped tightly around the bale. A sensor warns the operator if the film breaks or when it needs to be replaced. Thanks to a quick lock system an empty film roll can be replaced quickly and easily. The draw bar has the capacity to carry six extra rolls of film.

## Automatic control accelerates the operation

The entire wrapping process is carefully operated by means of the control unit. The control unit provides a clear overview of all main functions of the wrapper. The lightened control display informs the operator on the status of the loading and wrapping process. All functions are controlled with the touch of a finger and allow for automatic programming of subsequent actions.

### Variable wrapping height

Wrapping height can be easily adjusted.

### Fast loading

The in-line loading arms open wide and have a corrective action as they ensure that bales are positioned straight in front of the wrapping table.



### Easy loading of film rolls

Thanks to the quick lock system, film rolls can be changed quickly and easily.



## Film clamps – large reach, smooth operation

Due to varying film height, the film clamps have a very large opening. The locking method ensures maximum grip on the film ensuring it is properly cut and held in position for the next bale.

## The unique drawbar offers enhanced possibilities

During the wrapping process, the PS 160 model can drive both in the offset position or in-line with the tractor. Due to the unique design of the hydraulically operated draw bar the operator can transport an unwrapped bale in either position. This makes the combination much narrower allowing the operator to negotiate narrow passages while transporting two bales!

## Solid construction for intensive use

The simple yet exceptionally reliable frame construction ensures long machine life. Wherever possible, the steel tubes were manufactured from one piece of steel rather than welding thus reducing welding seams to the bare minimum. The loading arms are also made from steel box section, manufactured in the proper shape. This does not only look better, but is also stronger because the arm consists of one single piece.



### Low bale discharge

The wrapping table has a low position and discharges the bales gently.



### Unique film clamps

The Two Step film clamps have a large reach.



### Unique draw bar design

Thanks to unique hydraulic draw bar the machine can be driven both in-line and offset in respect of the tractor.





## Technical specifications

ATTIS	PS 160	PT 130	PT 160
Bale diameter (m)	1.00 – 1.60	0.90 – 1.30	0.90 – 1.60
Bale width (m)	1.25		1.25 – 1.50
Max. bale weight (kg)	1,500	1,000	1,200
Weight (approx.) (kg)	1,655	1,080	2,080
Drive power required (kW/hp)	40/55	30/41	40/55
Transport length (m)	4.80	4.70	5.80
Transport width (m)	2.55		2.30
Transport height (m)	3.10	2.30	2.70
Hydraulic connections	1x SA with free return or LS	1x SA with free run	
Recommended oil flow (l/min // bar )	35 // 150	18-30 // 150	
Electrical connections	12V		
Tire size	380/55X17	10.0/70X15.3	380/55X17
Film holders and cutter	2	1	
Extra film roll storage	2	3	
Variable stretchers (%)	55 / 70		
Control unit	E-link control	E-link Basic	E-link Plus
Semi-automatic control	S	S	S
Fully automatic control	S	X	S
Bale counter	S	S	S
Rotation counter with acoustic signal	S	S	S
Film break monitoring	S	X	S
Film width 750 (mm)	S	S	S
Counter-weight for proper balance	X	X	S
Bottom linkage (pull eye)	S	X	X
Possibility to take a second bale in line	S	X	S
Hydraulic steering draw bar	S	X	X
Lighting	S	S	S
Bale mat	O	X	S
Bale tipper	O	O	O
Kit 500 mm film	S	O	O
Extra film roll storage for 4 rolls	O	X	X

S = Standard / O = Option / X = Not available for this machine

### Switching to the transport position – fast and easy

Only one push on the button is enough to get the wrapper into the transport position. The wrapping arms are locked and safe for transport.





## Passionate about farming

Lely has a long and deep history of recognizing the needs of modern farmers. Our products are developed with the cow as starting point. We strive to let her excel and as such, we supply products to farmers and contractors ranging from forage harvesting, to feeding, housing, caring, milking and energy sourcing. In addition we boast specific knowledge and experience in facilitating farmers to get the best out of their equipment. As such our in-depth knowledge of the complete farm cycle – from grass to glass – is unrivalled in the agricultural business.

*We are committed to a sustainable, profitable  
and enjoyable future in farming.*

Lely really cares for the environment.

Your Lely distributor

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