CLAAS expands product range for baler-wrapper combinations

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CLAAS expands product range for baler-wrapper combinations | Raising the bar for performance and durability: CLAAS presents the new ROLLANT 630 RC UNIWRAP

The ROLLANT UNIWRAP has been delighting farmers around the world for decades thanks to its reliability and durability. CLAAS presents the new ROLLANT 630 RC UNIWRAP, marking a further development of the proven series to supplement the current product range. The main focus of development was more

power, more operator comfort and lower processing costs combined with an even more rugged design for drive components subject to heavy wear.

The ROLLANT from CLAAS has been one of the most popular fixed-chamber round balers on the market for decades, thanks to its simplicity and ruggedness. The ROLLANT UNIWRAP baler-wrapper combination is renowned for its solid, well-formed bales and short processing times. Now the CLAAS design engineers have made a good, tried and tested product even better: even further reduced wear, even more optimised drives, even better wrapper and even more operator comfort – united in one machine that combines good ground clearance with a low centre of gravity for transfer. Furthermore, the ROLLANT 630 RC UNIWRAP is the first UNIWRAP to feature the pioneering Y-shaped design introduced in the LEXION in 2019 that is the hallmark of the CLAAS product family.

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Productive: new pick-up and hydraulic knife group activation
In 1934 CLAAS revolutionised forage harvesting with the introduction of the PICK-UP baler with tined drum to gather the crop. The basic principle was ground-breaking at the time and is still being systematically refined to this day. The latest generation pick-up, the CLAAS Multiflow with 2.10 m working width (1.90m DIN raking width), is designed to even further reduce crop

losses and ensure more uniform material crop flow in the ROLLANT 630 RC UNIWRAP. The standard pick-up is equipped with four cam-controlled tine bars. The new cam track reduces the power requirement by 20 percent. Removable strips made from special plastic guarantee rapid and easy access for maintenance work. A 5-row HD pick-up is optionally available for maximum pick-up efficiency at even faster ground speeds.

The pick-up transfers the crop to the tried and tested heavy-duty ROTO CUT cutting rotor with 8 mm double tines made from double-hardened boron steel arranged in a helical formation. Four rows of tines feed the crop at up to 13,800 cuts per minute optionally through the new 17-knife cutterbar with a 63 mm cut length or the 25-knife cutter bar with a 44 mm cut length. The knife groups (17/9/8/0 or 25/13/12/0) can be activated electrohydraulically from the comfort of the cab. All knives are individually secured and can be hydraulically engaged or retracted centrally.

The PRO cutting floor can be lowered by up to 30 mm to adjust the crop flow and prevent blockages in uneven swaths. An optical and acoustic early warning system additionally enables the driver to operate as close to maximum baler capacity and to reduce the ground speed when the forage volume increases significantly. Should a blockage nevertheless occur, the cutting floor can be lowered hydraulically by pressing a button on the control terminal.

Durable: solid drive, chassis and tailgate suspension
The drive chains have been substantially reinforced in the areas subject to the greatest wear. The chain links there are both longer and stronger. Together with larger gears, this reduces wear on the chains. Guides on either side of the chain-tensioning wheels also reduce wear by preventing the chain from slipping or shifting. The size of the oil container for chain lubrication has been increased to 7.2 l, providing an ample supply of oil for a long service life in all operating conditions. And since the lubrication system supplies each individual chain with exactly the amount of oil needed, no oil is wasted. This protects the environment and guarantees efficient operation – for up to 14 hours, without having to be refilled.

The new central lubrication system is also designed for demanding and variable harvesting conditions. In addition to the familiar central lubrication system, an enhanced PLUS central lubrication system which greases the complete wrapping table is optionally available. This cuts maintenance time by a further 10 minutes.

To give the chassis more stability, especially in extreme harvesting conditions, tried and tested technology from the QUADRANT square balers has been used in areas subject to the greatest wear. The thickness of the steel profiles has been increased by 20 percent to provide the ruggedness and durability to withstand extreme conditions such as a those associated with very wet crops.

Strengthened drives and efficient lubrication with large chain oil container guarantees a long service life combined with reduced maintenance effort.

Rock-hard: for heavyweight bales and high core compaction when needed
The 1.25 x 1.20 m bale chamber works with 16 next-generation steel rollers with ribbed profile. The thickness of the drive shafts has been increased to 55 mm in areas subject to heavy wear. This enables higher bale densities and weights to be reliably absorbed with sufficient reserves, without compromising durability. The same applies to the reinforced rear tailgate mounting, which now features a more robust steel frame.

To give the chassis more stability in extreme harvesting conditions and

satisfy demands for ever increasing bale weights, the frame has been redesigned, especially in the area of the tipping cradle.

The tipping cradle is not only more stable, but features new end-stop dampening to ensure rapid yet smooth operation which protects the machine. The same technology has also been used in the tailgate. The bale diameter can be adjusted from 1.25 to 1.35 m.

The new ROLLANT 630 RC UNIWRAP can be optionally supplied with the MAXIMUM PRESSURE SYSTEM PLUS, or MPS PLUS for short. The pivoting 3-roller segment in the tailgate delivers extra pressure, guaranteeing rock-hard bales with high core compaction that even extends to the outer shell. At the start of the baling process, the three MPS rollers project into the bale chamber. During the process, the rollers are then pushed up into their end position by the bale as it increases in size. As a result, the bale rotates right from the start and is compacted from a diameter of just 90 cm. The pressure is freely adjustable from 60 to 120 bar from the cab.

Efficient: wrapping in record time with low film consumption
With the ROLLANT 630 RC UNIWRAP, you can choose to wrap your bales with net or film for maximum versatility. Film provides an optimum seal for silage bales and simplifies disposal as there is no need to separate twine and net wrapping.

One feature adopted from the UNIWRAP 400 is the impressive wrapping table, which further reduces film consumption thanks to a new hydraulic brake. With only 12 seconds from opening to closing the tailgate, the speed of bale transfer from the bale chamber to the wrapping table is unmatched. This is achieved by a special transfer geometry which returns the tailgate to its working position while bale transfer is still underway. The high-speed drive with up to 36 rpm significantly speeds up the subsequent wrapping process. It can wrap six layers of film with a 52% overlap in just 23 seconds. The new hydraulic film brake pre-stretches the film to an even greater degree to further increase efficiency: pre-stretching on the two 750 mm pre-stretchers can be adjusted to 67 or 82 percent.

Compartments containing up to 12 replacement rolls of film wrapping are housed beneath the large maintenance flaps, where they are protected from dirt and moisture.

Rapid bale transfer with low centre of gravity, efficient wrapper and large storage compartment for spare rolls makes the ROLLANT 630 RC UNIWRAP a top-performing baler-wrapper combination – even on sloping ground.

Soil-friendly with low centre of gravity

Large tyres up to 600/55 R 26.5 also set the ROLLANT 630 RC UNIWRAP apart from other baler-wrapper combinations. With a wheel diameter of up to 1.35 m, the baler is not only gentle on the soil and sward; it has excellent

handling characteristics on the road and outstanding stability on slopes. Furthermore, the low centre of gravity supports bale transfer.

Convenient and user-friendly with ISOBUS and CEMIS
The new ROLLANT 630 RC UNIWRAP is intuitively operated with the CEMIS 700 terminal featuring a 7-inch colour touchscreen with 10 direct access keys and a rotary pushbutton. Alternatively, another suitable ISOBUS terminals can be used.

The CEMIS 100 terminal is provided at the rear specifically for operating the wrapper – enabling quick, simple direct access to all key functions..

Key features of the ROLLANT 630 RC UNIWRAP at a glance:

- Bale diameters adjustable from 1.25 to 1.35 m; optional MAXIMUM PRESSURE SYSTEM PLUS for even greater core compaction.
- Robust, laser-welded baler roller body and reinforced tailgate mounting.
- Stronger chassis frame with 20 mm steel profiles.
- Large tyres up to 1.35 m in diameter and low centre of gravity for bale transfer for even more ground protection and more stability on slopes.
- New MULTIFLOW pick-up with reduced power requirement and easier maintenance.
- Heavy-duty cutting rotor with 17 or 25 knives and PRO cutting floor.
- Optimised and strengthened drive with individually adjustable chain lubrication, oil supply for up to 14 working hours with refilling and new central lubrication for maximum durability and low wear.
- Net or film wrapping.

About CLAAS

CLAAS (www.claas-group.com) is a family business founded in 1913 and is one of the world's leading manufacturers of agricultural machinery. The company, with Head Office in Harsewinkel, Westphalia, is the European market leader for forage

harvesters. CLAAS dominates the European market in another core segment as well – combine harvesters. CLAAS also holds the top spots in global agricultural technology with its tractors as well as its agricultural balers and grassland harvesting machines. Cutting-edge agricultural information technology also forms part of its product range. CLAAS employs more than 12,000 staff worldwide and generated a turnover of 6.1 billion euros in 2023.

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