Danish Agro

Four powerful JAGUAR forage harvesters with engine outputs from 850 to 1,110 hp

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Top performance in new dimensions: The JAGUAR 1000 from CLAAS.

Harsewinkel, 15 August 2025 - CLAAS presents four new forage harvesters from the JAGUAR 1000 series, which enable throughput capacities of up to 500 tonnes per hour with the widest crop flow on the market, new front attachments and pioneering driver assistance. The JAGUAR 1000 also defines a new level of operating and driving comfort - true to the motto "Inspired by the best".

More than 50 years of experience in the development and construction of forage harvesters and global market leadership for more than 25 years: The JAGUAR from CLAAS is now synonymous with performance, efficiency and

reliability among customers all over the world. With the new JAGUAR 1000 series, CLAAS is continuing this success story and adding a new chapter. *"Inspired by the best"* therefore not only stands for throughput capacity, chopping quality, comfort and efficiency- it also stands for the valuable, thousand-fold feedback from forage harvester customers all over the world, whose demanding requirements for top-class forage harvesters played a key role in the development process.

With four new models in the JAGUAR 1000 series, the new PICK UP generation and the new ORBIS 9000 and 10500, CLAAS is establishing a new class in the field of self-propelled forage harvesters with throughput capacities of up to 500 tonnes per hour. "Inspired by the best" is synonymous with throughput capacity, chopping quality, comfort and efficiency.

Based on the highest expectations, many years of development and practical tests have resulted in a series that impresses with far more than just its engine power: The convincing arguments include the widest crop flow on the market, fully hydraulic pre-compression, uncompromising and homogeneous chop quality, the large corncracker drive, the drive concept with two independent variable front attachment drives, new high-throughput PICK UP and ORBIS front attachments, leading driver assistance systems, maximum comfort, contemporary connectivity, the new NUTRIMETER and a strong chassis with a high-traction and ground-protecting drive. For maximum performance and pioneering overall efficiency.

Fully hydraulic pre-compression: For yield-independent and homogeneous

chop quality.
The shortest lengths of cut and difficult harvesting conditions with tough crops pose a challenge for the crop flow of forage harvesters. With this in mind, CLAAS has developed the widest crop flow channel on the market for the JAGUAR 1000 in conjunction with a new pre-compression system. The four pre-compression rollers work with a fully hydraulic pre-compression system and thus enable a uniform crop flow regardless of the layer thickness - this guarantees uniform feeding of the V-FLEX chopping cylinder and thus ensures maximum throughput with homogeneous chop quality and optimum overall efficiency of the machine.

The pre-compression rollers can be raised hydraulically for cleaning work using the maintenance function. Thanks to QUICK ACCESS, the entire pre-compression unit can be swivelled up to 80 degrees for maintenance work in just a few simple steps. The tilting frame with hydraulic centring for PICK UP and ORBIS is located on the pre-compression unit.

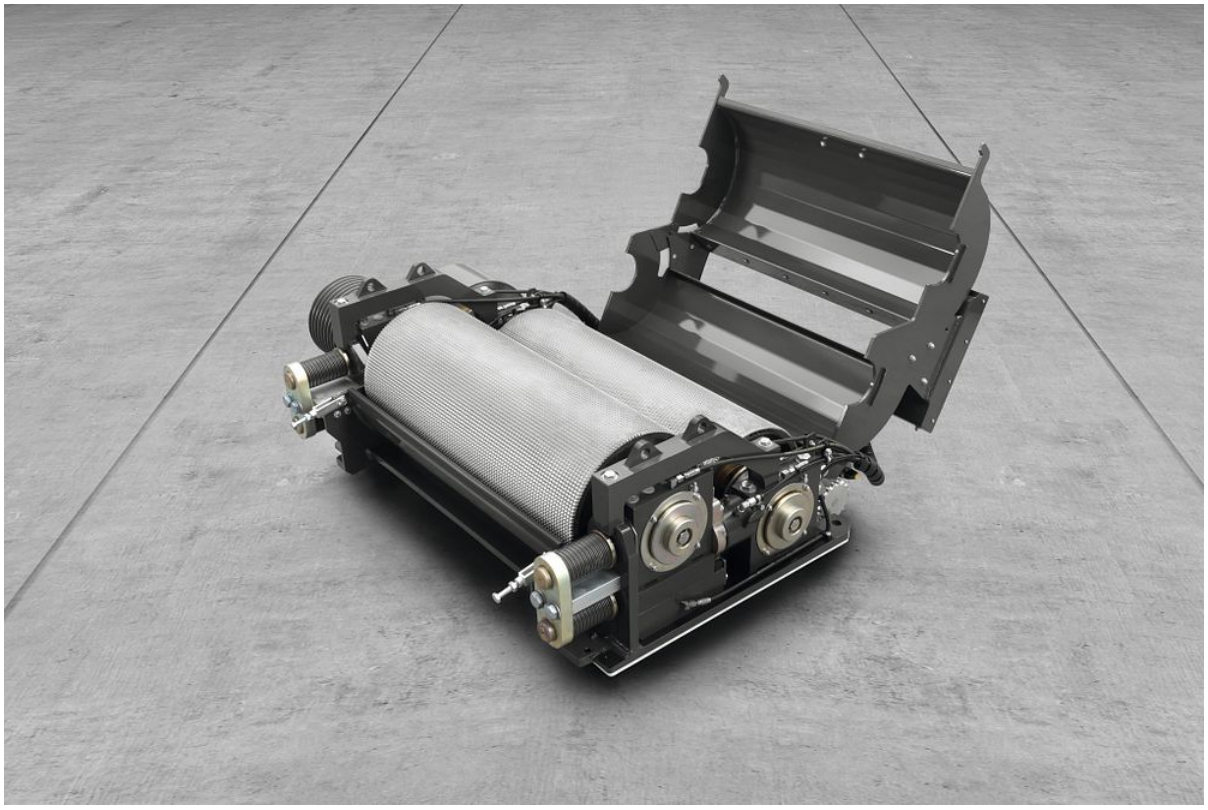
The pre-compression rollers ensure a uniform crop flow regardless of the layer thickness thanks to the new, fully hydraulic pre-compression system. The pre-compression unit can be swivelled open by 80 degrees for maintenance work.

New 910 mm wide V-FLEX chopping cylinder: Equipped for maximum throughput.

In 2024, CLAAS introduced the innovative V-FLEX chopping cylinder for the JAGUAR 900. Thanks to its 910 mm width, the JAGUAR 1000 now offers even more space and inertia for maximum throughputs and continuous crop flow even at the highest swath thicknesses - for example in the harvest of whole crop silage. The crop is cut even more efficiently thanks to the steep knife angle of 10 degrees. This is not only noticeable in the excellent chop quality, but also in the reduced noise level. The V-FLEX chopping cylinder can be fitted with full and half knife sets as well as half-section knives, enabling a uniquely wide chop length range. The knives, fastened from above with three screws, are fixed in the drum stars and automatically aligned. Setting the knives to the shear bar and readjusting them is not necessary.

With a width of 910 mm, the V-FLEX chopping cylinder stands for maximum, continuous and blockage-free crop flow, even with the thickest swaths and in difficult harvesting conditions.

New MULTI CROP CRACKER XL: Powerful conditioner in all lengths of cut.
Throughput levels of up to 500 t/h require effective centre punching and residual plant processing in silage maize harvesting. The JAGUAR 1000 is ideally equipped for this thanks to the MULTI CROP CRACKER XL. Available either as the MCC XL CLASSIC with a sawtooth profile with various teeth and a 40 per cent speed difference or as the MCC XL SHREDLAGE with a 50 per cent speed difference, it offers a very large contact surface between the rollers with a 310 mm roller diameter, ensuring excellent conditioning across the entire available chop length range and even at the highest throughput capacities.



With a roller diameter of 310 mm, the MULTI CROP CRACKER XL is the most powerful grain processor on the market - optionally with MCC CLASSIC or MCC SHREDLAGE® rollers. Thanks to AI support, the innovative chop quality analysis in CLAAS connect enables the degree of CSPS conditioning to be determined directly in the field.

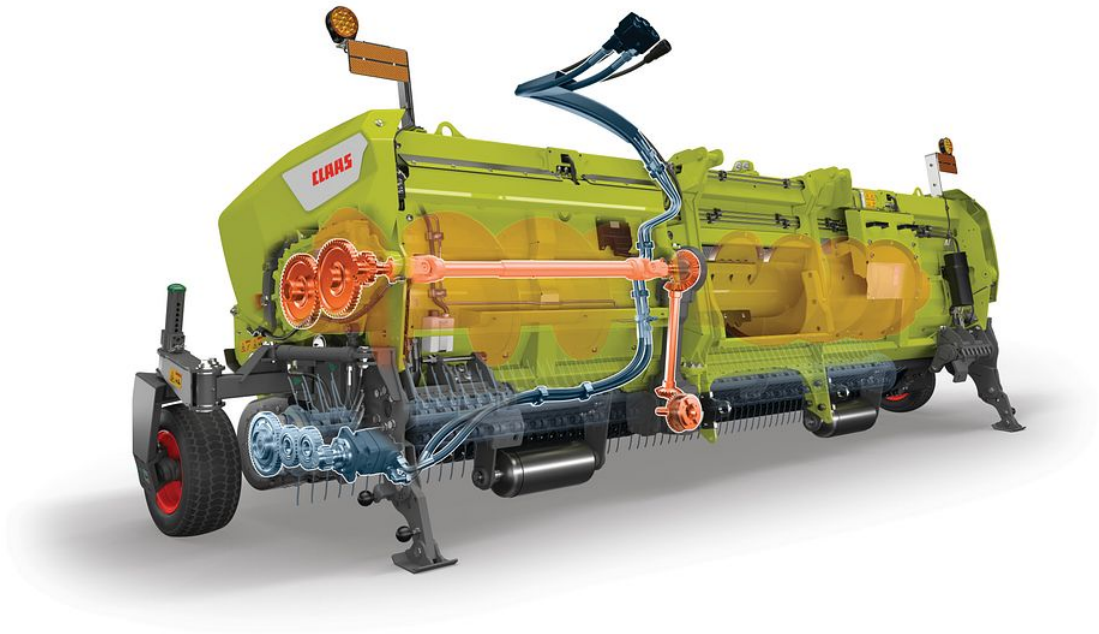
The chop quality analysis in CLAAS connect presented at Agritechnica 2023 can be used to easily determine the processing score (CSPS Corn Silage Processing Score) via smartphone in the field: Take a photo of the chopped material and send it directly to the cloud via CLAAS connect. Within a few minutes, the AI-based programme determines the CSPS and transmits the result back to the smartphone. This saves time and enables the optimum setting of the corncracker for the respective conditions of use as the basis for maximum forage quality and efficiency.

Superior: Powerful throwing accelerator, variable discharge chute concept. The throwing accelerator has also been adapted to the increased output of the JAGUAR 1000. Whether for chopping with a wide, concentrated throw or for short transfer distances to transport vehicles travelling alongside: the hydraulically adjustable gap of up to 60 mm by moving the accelerator towards the back panel allows the throw to be adjusted easily and increases the efficiency of the JAGUAR.

The discharge manifold concept is also new: by simply swapping the manifold end piece, the length can be optimised for the respective front attachment from grass to maize and vice versa. The end piece can be folded hydraulically for maize harvesting with ORBIS 10500 and maximum manifold length to enable safe road transport.

The discharge spout can be optimised for all PICK UP and ORBIS working widths. For harvesting with the new ORBIS 10500 with maximum manifold length, the end piece can be folded hydraulically for safe road transport.

New PICK UP generation: Innovative pick-up concept and new powerful drive. Perfectly matched to the performance of the new JAGUAR 1000, CLAAS has developed new front attachments for the JAGUAR. The PICK UP 3000, 3800 and the new 4500 with independent variable drive of pick-up and intake auger speed. With CEMOS AUTO HEADER, the auger and pick-up speeds are automatically adjusted to the length of cut and the driving speeds during harvesting. The models cover working widths of 3.0, 3.80 and 4.50 metres, and are characterised by a number of innovative features. Instead of chain drives, mechanical power is transmitted via PTO drive shafts and gearboxes. With its constant hydraulic pre-press pressure, the intake auger ensures an even crop flow to the feeder unit. The two cam track gears of the 5-row pick-up are oil-lubricated, encapsulated and therefore operate with low wear. In addition, the strippers between the tines are made of robust plastic and, thanks to the clip system, can be removed individually and easily using just a screwdriver. Last but not least, the ACTIVE CONTOUR control in combination with the swingarm-mounted pick-up ensures optimum ground contour following and thus loss-free harvesting even at high forward speeds.



The new PICK UP generation is available in three working widths and is characterised by mechanical power transmission with low-wear drives, plastic scrapers, ACTIVE CONTOUR and the independent variable drive of the pick-up and intake auger.

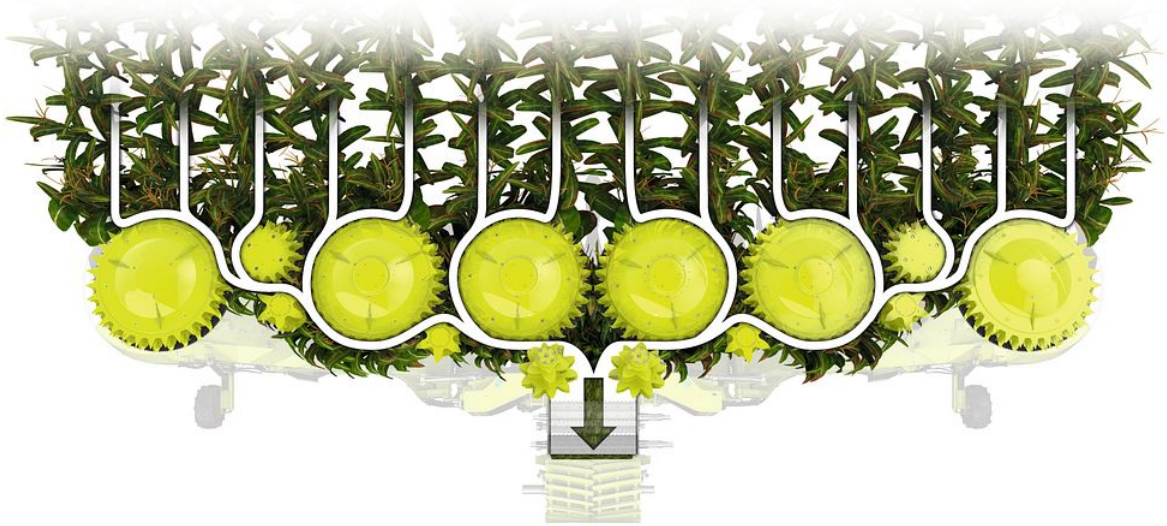
New ORBIS generation: Wide front attachments with independent variable drives.

In maize harvesting, the new ORBIS series with working widths of 9.00 m and 10.50 m (12 and 14 rows) is impressive. Another new feature here is the

independent variable drive of the knife and transport discs as well as the feed drums for the best chopping quality in all harvesting conditions and lengths of cut. From the comfort of the cab, the operator can use CEMOS AUTO HEADER to adjust the speeds of the crop flow elements in harvesting mode to the length of cut and the driving speeds.

The unique ground tracking is achieved with the well proven AUTO CONTOUR system for all working widths. Three sensors detect uneven ground and adjust the preselected working height. For even more precise ground tracking, the ORBIS 10500 uses actively controlled stabiliser wheels that ensure quick and smooth adjustments so that the ideal working height is always maintained regardless of the topography and forward speed. Thanks to the integrated automatic transport protection and transport chassis, safe and legal road transport below 3.0 m (ORBIS 9000) or 3.30 m external width (ORBIS 10500) is possible without lengthy set-up times.

After attachment, only the electronics and the multi-coupler for the second independent variable drive are connected to the JAGUAR on all front attachments - a matter of a few simple steps. And in combination with the JAGUAR's robust tilting frame, all front attachments - even those with large working widths - are carried safely and reliably, even on very uneven surfaces.



ORBIS 9000 and 10500 were specially developed for the JAGUAR 1000. The independent variable drive of the knife and transport discs as well as the feed drums allows optimum adaptation to the harvesting conditions.

New drive concept: Efficient, variable and powerful.

Since 1994, transversely mounted engines in the JAGUAR have been driving the knife drum and other units directly and therefore with particularly low losses. In the JAGUAR 1000, too, a powerband takes the power directly from the crankshaft of the 24-litre V12 engine from MAN and transfers it to the chopping cylinder, throwing accelerator and from there to the corncracker. For the ground drive, the pre-compression rollers and the two independent variable attachment drives, a pump transfer case is located at the rear left of the engine, which drives the hydraulic motors. Thanks to the independent variable attachment drives, the pick-up and intake auger on the PICK UP and the knife and transport discs and feed drums on the ORBIS can be adjusted independently of each other in terms of speed to suit the harvesting conditions.

The efficiency of the drives can also be emphasised here thanks to their sophisticated design. During road travel, only the ground drive is active; the drive of the chopping unit, intake and front attachments is then decoupled in the pump transfer case. The engine bonnet of the JAGUAR 1000 has also been designed to be very slim and flat, so that the view to the rear is no more restricted than with forage harvesters in the medium and lower performance classes. In addition, this design enables a kind of wasp waist in the area of the steering axle, so that the turning radius remains small despite the larger tyre equipment.

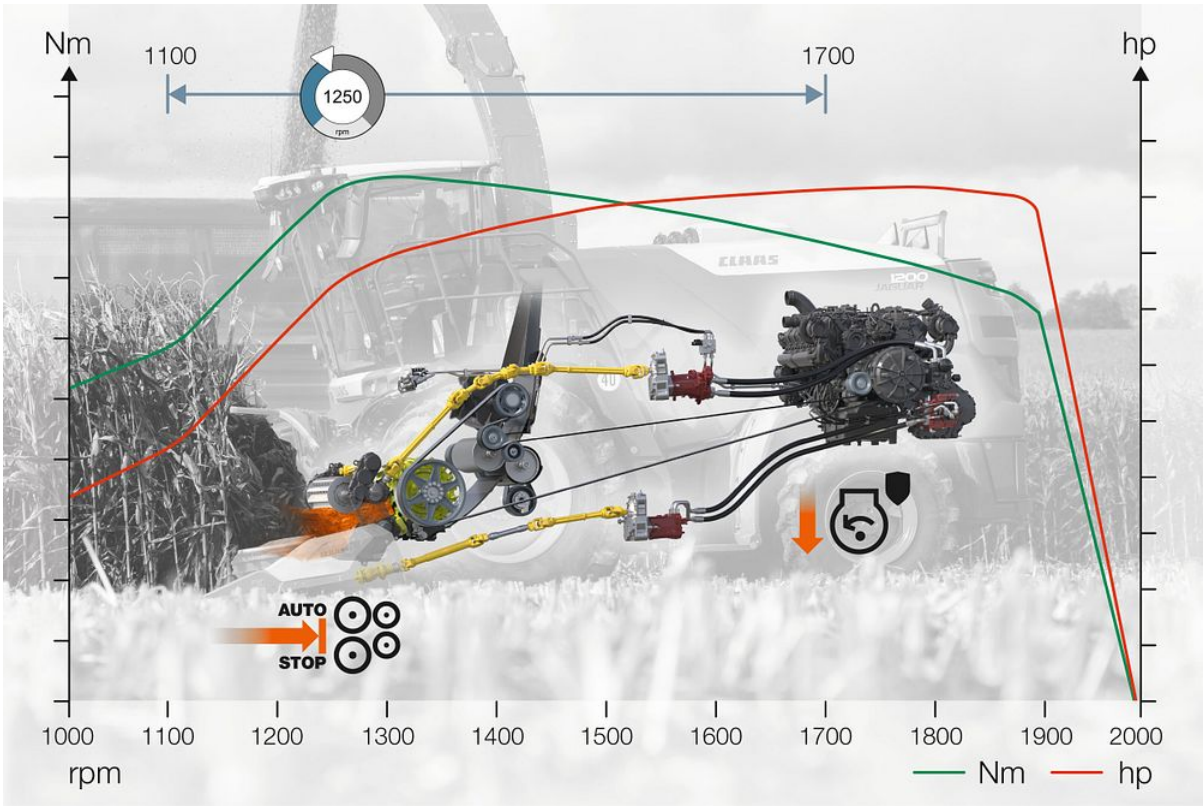
The JAGUAR 1000 comes with 4-wheel drive and intelligent all-wheel management as standard. Differential locks on the front axle and, exclusively for forage harvesters, on the rear axle are also offered as an option, as is a tyre pressure control system for the front and rear axles. This means that the JAGUAR 1000 knows no limits, even in difficult harvesting conditions and on slopes.

The sophisticated drive design allows for 800/70 R42 front axle tires with a total machine width of 3.30 m, with the largest possible front axle tire for the JAGUAR 1000 being 900/60 R42 with an outer diameter of 2.15 m. In addition, tires up to 710/60 R30 can be selected for the rear axle, which not only provides the JAGUAR 1000 with plenty of traction, but also means that it is very gentle on the soil.

The JAGUAR 1080, 1090, 1100 and 1200 are powered by an efficient, transverse-mounted MAN V12 with a displacement of 24 litres. The innovative drive concept for the drives has been integrated into the overall concept to save space, resulting in an identical external width to the JAGUAR 800 and 900 and excellent visibility to the rear.

CEMOS as standard: driver assistance and automation at the highest level

The JAGUAR 1000 is equipped with CEMOS AUTO CROP FLOW and CEMOS AUTO PERFORMANCE for consistently optimum overall efficiency with maximum driver relief. The CEMOS AUTO PERFORMANCE engine and drive management system relieves the operator and ensures a constant or maximum throughput throughout the harvest by adjusting the driving speed to the engine load, and automatically adjusts the engine power if necessary - for example when yield levels are low. This means that the JAGUAR 1000 always works in the optimum power range and reduces fuel consumption. CEMOS AUTO CROP FLOW intelligently and automatically monitors the engine speed at all times to ensure that the forage harvester is operating correctly and stops the crop flow if the engine speed drops below the set minimum speed.



Thanks to CEMOS AUTO CROP FLOW and CEMOS AUTO PERFORMANCE, the operator stays fully relaxed - while productivity and efficiency are continuously optimised.

During operation, the operator is also relieved by AUTO FILL. With the help of digital 3D image analysis via the corresponding camera technology, the discharge spout and flap control for filling transport vehicles travelling alongside is carried out automatically - both day and night.

New NUTRIMETER: Ingredients and automatic chop length adjustment in real time

CLAAS is introducing the latest generation of the NIR sensor NUTRIMETER with the JAGUAR 1000. Thanks to precise real-time determination of the dry matter content, it not only enables precise yield recording and yield mapping, but also automatic chop length adjustment. This supports the best forage quality depending on the dry matter content and optimum compaction of the silage in the silo.

In addition to dry matter content, the NUTRIMETER also records other ingredients such as starch, crude protein and sugar content. A new feature is the mobile use of the NIR sensor as an ISOBUS device, which enables easy conversion from machine to machine. The data collected by the NUTRIMETER is stored, analysed and output together with the machine data from the

JAGUAR in CLAAS connect.

With the JAGUAR 1000, CLAAS is introducing the new NUTRIMETER for the real-time determination of dry matter content and constituents, as well as precise yield recording and yield mapping.

Even quieter and more comfortable: cab with swivel seat and joystick steering
JAGUAR and CLAAS operators will be instantly at home around the spacious cab. The cab is operated as usual using familiar controls such as the CMOTION ground speed control lever in the right-hand armrest console, as well as the integrated CEBIS terminal with its 12 inch screen. The GPS PILOT CEMIS 1200 is available for satellite-supported steering and smart farming tasks such as vehicle fleet and order management as well as documentation. Various seat variants, including a swivelling leather seat - available with seat heater and seat ventilation -, automatic air conditioning and the extremely low noise level in the cab ensure maximum comfort and fatigue-free working. Innovative cleaning systems, such as the premium windscreen wiper system, ensure perfect visibility even in the most difficult harvesting conditions.

Optional joystick steering for field use is available for the JAGUAR 1000 - a first for CLAAS harvesting machinery. This allows the JAGUAR to be manoeuvred precisely with just two fingers - ideal for tight turning manoeuvres at the end of the field. The joystick steering has two steering modes and can be customised in various intensity levels. In addition, three switches are integrated into the armrest for individually assignable functions, such as lowering and raising the discharge spout, the horn or the work lighting. In addition to the satellite-based GPS PILOT CEMIS 1200, other automatic steering systems from CLAAS are available, such as AUTO PILOT and, exclusively from CLAAS, CAM PILOT.

The redesigned cab sets new standards in all-round visibility and noise levels. For the first time on CLAAS harvesting machinery, joystick steering with two steering modes and adjustable intensity levels is available.

Fully networked with farm and cloud: JAGUAR 1000 in CLAAS connect

CLAAS connect offers a user-friendly platform for smart farming that seamlessly integrates machine and farm management. Important JAGUAR 1000 data such as fields, reference lines, operating resources, machines and labour can be recorded, analysed and optimised. Users have a perfect overview of their machines, and can compare them – both in terms of work performance and efficiency - and thus uncover inefficiencies and initiate optimisations. In addition, yield maps can be quickly and easily used to create application maps. And: with the mobile CLAAS connect app, all information is always at your fingertips, even when you're on the move. From 2026, live yield mapping will also be available on the CEMIS 1200. This allows yield and moisture to be displayed live on the CEMIS display as a map during harvest.

With the CEMIS 1200 and a Machine connect licence, job management for the JAGUAR 1000 is done in just a few clicks via the mobile phone connection and yield maps can be created live. Jobs, including reference tracks, can be planned in advance in CLAAS connect and transferred to the machine. For example, GPS PILOT CEMIS 1200 can steer the JAGUAR months later with centimetre precision using the tracks from the maize sowing. After completing the job, the operator quickly and easily sends the collected machine data, including yield data, back to the office. From the order to its execution and documentation, data processing is largely automated and therefore simple and secure.

Thanks to CLAAS connect, the JAGUAR 1000 is fully networked - from machine management to job planning and processing, reference line planning and yield mapping.

Market launch in North America and Europe

The world premiere of the JAGUAR 1000 in California will be followed by further customer and media events in European fields during September, just in time for the maize silage harvest. In addition, the new forage harvester series will be one of the highlights on the CLAAS stand at the upcoming Agritechnica trade fair from 9 to 15 November in Hanover. Series production of the JAGUAR 1000 will start in autumn 2025.

The most important arguments in favour of the new JAGUAR 1000 from CLAAS at a glance:

- *Inspired by the best: Four models - JAGUAR 1080, 1090, 1100 and 1200 - with 850 to 1,110 hp engine power for a new dimension in* ***throughput capacity, chop quality, comfort and efficiency****.*
- *New crop flow with wide intake, 910 mm wide V-FLEX chopping cylinder and fully hydraulic pre-compression for maximum throughput and uncompromising chopping quality.*
- *New MULTI CROP CRACKER XL with 310 mm roller diameter for optimum centre punching and residual plant processing.*
- *Powerful chopping accelerator with a gap of up to 60 mm for efficient, demand-orientated filling.*

- *New discharge chute concept for maximum operational flexibility - with AUTO FILL for automated overloading.*
- *Silage additive system and optional water metering in the crop flow and now also in the sharpening unit.*
- *Two independent variable power trains for ORBIS and PICK UP for optimum crop flow and the best chop quality in all harvesting conditions.*
- *New PICK UP 3000, 3800 and 4500 without chain drives for maximum harvesting performance even with the thickest swaths while minimising maintenance. Encapsulated low-maintenance cam track gearbox, new plastic strippers, hydraulic pre-compression of the intake auger and ACTIVE CONTOUR ground contour following.*
- *New ORBIS 9000 and 10500 maize front attachments with 12 and 14 rows, AUTO CONTOUR ground contour following and integrated transport protection for efficient harvesting.*
- *PREMIUM LINE wear parts as standard for reduced wear and maximum utilisation of harvesting windows.*
- *Even more maintenance-friendly thanks to the pre-compression unit that can be easily swivelled open by 80 degrees and maintenance panels that can be opened wide for exemplary accessibility to all units.*
- *Further developed, efficient direct drive with transversely mounted engine and intelligently arranged pump transfer case and hydraulic motors.*
- *Driver assistance and intelligent engine management with CEMOS AUTO PERFORMANCE and CEMOS AUTO CROP FLOW.*
- *Large tyre equipment (up to 2.15 m on the front axle), 4-wheel drive and differential locks as well as tyre pressure control systems on both axles for ground-protecting traction even under difficult conditions of use.*
- *Hydraulically lowerable third axle for legal road transport in certain operating regions.*
- *Noise-reduced cab with swivelling driver's seat.*
- *Optional joystick steering for precise steering with thumb and index finger.*
- *New NUTRIMETER (NIR sensor) for precise dry matter measurement and content determination.*
- *Live yield mapping on CEMIS 1200 available from 2026.*
- *Full CLAAS connect connection for machine, vehicle fleet, order and yield data management.*

About CLAAS

Founded in 1913, the family-owned company CLAAS (www.claas-gruppe.com) is one of the world's leading manufacturers of agricultural machinery. Headquartered in Harsewinkel, Westphalia, the company is the world market leader in forage harvesters. CLAAS is also the European market leader in another core segment, combine harvesters. CLAAS is also a world leader in agricultural technology with tractors, agricultural balers and grassland harvesting machinery. The product range also includes state-of-the-art agricultural information technology. CLAAS employs 12,000 people worldwide and achieved a turnover of 5 billion euros in the 2024 financial year.

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