



New large-scale mower with swathing augers and 10.70 metre working width

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New DISCO 1100 DIRECT SWATHER from CLAAS: Up to 21 metres swath mass for the JAGUAR

With the new DISCO 1100 DIRECT SWATHER, CLAAS is adding another model with variable swathing to its range of large-scale mowers. The mower combination with a working width of 10.70 m works without a conditioner, with conical swathing augers for four placement strategies and is currently the largest mounted mower with swath merging available on the market.



Up to 10.70 m working width with flexible swath merging in three-point linkage enables new dimensions in terms of output and flexibility.

Building on decades of experience with swath augers in the DIRECT DISC forage harvester header, CLAAS introduced its first large-scale mower with swath augers in 2024 with the DISCO 9300 DIRECT SWATHER. With the DISCO 1100 DIRECT SWATHER, an even more powerful mower with a working width of up to 10.70 m is now being introduced, which can be used in conjunction with the four-rotor swather to create a swath with a working width of up to 21 m and thus optimally utilise even the most powerful forage harvesters.

CLAAS DIRECT DISC: Maximum flexibility with four placement strategies and low drive requirements.

Like the DISCO 9300 DIRECT SWATHER, the new DISCO 1100 DIRECT SWATHER also allows four mowing and placement strategies and thus a unique adaptation to the harvesting conditions:

1. Complete wide spreading for effective, fast wilting with large quantities of forage.
2. Mowing with integrated centre swath placement for fast and

effective field clearance without tedders and swathers and / or for GPS harvesting or autumn residual area harvesting in a single pass.

3. 21 m mowing on 13 m bed placement (combined swath/wide spreading) for active control of the wilting process and / or optimum utilisation of the forage harvester.
4. Mowing with one-sided swathing for field edge clearing.

Thanks to the absence of conditioners, the DISCO 1100 DIRECT SWATHER can be operated with tractors from 220 hp and is therefore extremely economical. The range of applications extends from high-yielding green rye for biogas and forage production to the gentle mowing of lucerne and low growth rates in grassland cuts. With low growth rates, especially in regions with low rainfall and a high number of hours of sunshine, the absence of the conditioner prevents the crop from wilting too quickly to actively control the dry matter content. This advantage also comes into play in lucerne mowing, where the crop should be prevented from bleaching for quality reasons. Thanks to the swivelling augers, the drying process can be controlled independently of the crop and the placement can be optimally adapted to the growth quantity and the subsequent harvest chain.



The new DISCO 1100 DIRECT SWATHER enables powerful, gentle and efficient mowing of grassland, arable grass, lucerne and rye or triticale - with both high growth volumes and low growth in late grassland cuts.

Unique crop flow with conical swath augers.

With their particularly close and parallel arrangement to the mower discs, the conical CLAAS augers in the arms enable a constant and reliable crop intake, even with uneven crop growth. In addition, the conical design allows more crop to be conveyed towards the centre, as more crop can be removed as the auger diameter increases. In addition to the conical design of the auger, the conical auger housing with the integrated rear conveyor pocket is also unique. Thanks to the extended installation space, this significantly increases the conveying volume and therefore also the throughput capacity. The optimised coordination of the mower bar, conveyor augers and conveyor pockets on the DISCO 1100 DIRECT SWATHER results in a smooth, blockage-free crop flow with low power requirements and optimum fuel efficiency. Crop build-up is prevented by shear bars and blades at the auger outlet - a guarantee for blockage-free work.

Swathing plates attached to the centre console or central support guide the crop flow under the mower frame. Additional hydraulically pivoting and adjustable swath curtains also prevent material from being thrown over the centre to the other side of the mower when swathing on one side. The result: uniform and homogeneous swaths under all conditions for an efficient downstream harvesting chain.



The overhead auger drives allow swivelling in and out during operation. The conveyor pockets and the conical design of the swathing augers and conveyor channel allow maximum conveying volumes.

32 kilometres less swath length per 100 hectares: Swivelling augers for maximum placement flexibility and "21 on 13" method.

When used without a conditioner, it is important to be able to utilise the full mowing width as a wilting area if required. Thanks to the external auger drive on the DISCO 1100 DIRECT SWATHER, the augers can be swivelled out hydraulically at any time to deposit the crop over the full mowing width, half the mowing width or completely onto a centre swath. The augers can be conveniently controlled individually or in parallel via ISOBUS - even during the harvest in the field.

With half-sided wide spreading, 21 m of mowing width can be deposited from two adjacent passes to 13 m - ideal for the following LINER 4800 four-rotor swather, which, with this "21 to 13" mowing strategy, has to cover around 32 km less distance per 100 ha of land (compared to the previously common method with a 12.50 m wide four-rotor swather) compared to wide spreading at full working width, as does the forage harvester following at the end of the harvest chain. In practice, this means a time saving of around three hours in the forage harvesting chain. As around 65 per cent more forage enters the swath, the forage harvester is also better utilised - the thicker swaths with lower driving speed also improve the chop quality and reduce fuel

consumption. The process therefore saves diesel and time while protecting the soil.



With the "21 on 13" mowing strategy, costs and time can be optimised for efficiency and sustainability throughout the entire forage harvesting chain. Together with the low engine speed concept of the DISCO 1100 DIRECT SWATHER and the low draft thanks to ACTIVE FLOAT ground pressure control, fuel consumption is significantly reduced.

Telescopic boom with spring elements for infinitely variable working width adjustment.

The telescopic booms of the DISCO 1100 DIRECT SWATHER, familiar from the DISCO 1100 C / RC BUSINESS DISCO, enable infinitely variable adjustment of the working width from 9.70 to 10.70 m for maximum flexibility, whereby the arms can be adjusted independently or synchronously, thus always ensuring optimum overlap in tight bends or when working on side slopes. Heavy duty arms with wear-optimised slide plates ensure maximum stability and a long service life. The automatic adjustment by the spring-loaded sliding elements makes manual setting superfluous.

Despite the DISCO 1100 DIRECT SWATHER's impressive working width of up to 10.70 m and the 3.80 m wide MAX CUT mower bars, the mower remains under 4.00 m when in the height in transport position. This enables safe, comfortable and roadworthy operation.



The robust telescopic booms allow the working width to be continuously adjusted from 9.70 to 10.70 metres. The transport height remains under 4.00 m when telescoped.

Relaxed and focussed operators from morning to night: smart BUSINESS operation with a high degree of automation.

BUSINESS operation with load-sensing and ISOBUS enables convenient and semi-automated interaction with modern tractors and optimum utilisation of all DISCO 1100 DIRECT SWATHER functions. The setting and changing of the ground pressure and working width is largely carried out via the ISOBUS - regardless of whether the tractor's own CEBIS or additional terminals such as CEMIS 700 and CEMIS 1200 are used. In addition, freely assignable F keys allow the control system to be customised - for example for the telescopic booms, the individual lifting of the arms or the regulation of the ACTIVE FLOAT ground pressure during operation.

The standard ACTIVE FLOAT mower pressure relief can be adjusted to the harvesting conditions via ISOBUS at any time during mowing, so that you can always work with the lowest possible ground pressure and thus protect the crop, conserve material and save energy. With the optional CLAAS automatic slope control, the ground pressure is automatically adjusted up and down the slope when mowing on side slopes in order to minimise side pull and thus the offset between the front and rear mower. In addition, this smart automatic function enables gentle slope mowing, especially in moisture-laden soil conditions.

Automatic overload protection

Technology and operator are protected by the unique automatic boom lift in the event of a speed drop: The machine reacts faster than the operator if an overload is imminent, which prevents blockages and standstills, increases the service life of the overload clutches and makes mowing more relaxed - especially at high working speeds.

For maximum operator comfort, lifting the mower units is directly integrated into the tractor's headland management system via the exclusive P2 access.

MAX CUT mower bar: High-tech for top cutting quality even at low speeds.

Today, the smooth-running MAX CUT mower bar on DISCO mowers is synonymous with an uncompromisingly clean cut, clean forage and maximum sward protection. The low engine speed concept with reduced PTO shaft speed (850 rpm) ensures up to 22 per cent diesel savings even at high driving speeds and top cutting quality, according to studies by the Kiel University of Applied Sciences. Further features are the high reliability and long service life of the MAX CUT, which is achieved on the one hand by the bolted, torsion-resistant construction made of fine-grained steel with the beam trough stamped from a single piece, but also by the first-class manufacturing quality at the production site in Bad Saulgau.

Reliability and durability also benefit from the wear protection rivets on the mower discs, a tungsten carbide coating on the undersides of the knife supports, which is familiar from professional tillage, and the SAFETY LINK safety module. What's more, the DISCO 1100 DIRECT SWATHER's mower bar not only swerves backwards in the event of contact with an obstacle, but also upwards at the same time thanks to the arm's angled pivot point, allowing it to swivel safely out of the danger zone.

All MAX CUTs are equipped with lifetime lubrication for low maintenance and reduced maintenance costs. Practical details such as the portable blade box and the red-painted disc covers with identically coloured blades according to the direction of rotation simplify blade changes in everyday work.



High-tech made in Bad Saulgau: The bolted mower bar is extremely resilient and torsion-resistant. Various wear protection elements ensure lengthy replacement intervals, while the blade box and red-coloured blades for counter-clockwise rotating mower discs make knife changes much easier.

The most important features of the new DISCO 1100 DIRECT SWATHER at a glance:

- *Powerful and efficient large-scale mower without conditioner.*
- *10.70 m maximum working width with low drive requirement (from 220 hp).*
- *Four mowing strategies thanks to conveyor augers that can be swivelled in and out individually.*
- *"21 on 13" mowing strategy saves 32 km distance per 100 ha of operational area for the rake combination and forage harvester (under practical conditions, this corresponds to around 3 hours of time optimisation; figures compared to complete wide spreading), improves chop quality and reduces fuel consumption.*
- *Maximum conveying volume thanks to conical conveyor augers, conical auger box (conveyor housing) and additional conveyor pockets.*
- *Durable, efficient MAX CUT mower bar with low speed (850 rpm PTO shaft speed) and ACTIVE FLOAT relief.*
- *New telescopic boom with spring-loaded sliding elements to minimise wear.*

- *Almost 11 m working width with less than 4 m transport height for safe and legal road transport.*
- *Smart, ISOBUS-compatible BUSINESS controls with numerous automatic functions.*

About CLAAS

Founded in 1913, the family-owned company CLAAS (www.claas.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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