



Mowers

DISCO

Large-scale mowers



Perfectly coordinated – harvesting systems from CLAAS.

If you are out in the fields day after day, you need more than just robust machinery; you need perfectly coordinated technology that is a pleasure to work with, and that keeps going through the hardest working day. And what's more, you need harvesting systems that piece together seamlessly.

As a leading equipment manufacturer of forage harvesting machinery, CLAAS provides the ideal harvesting chain for any farm or business size. Our coordinated machines support you in your day-to-day operations and enable you to achieve optimal results in forage harvesting.





DISCO	
MAX CUT mower bar	6
Efficiency	14
Operation	16
Body	18
Conditioner	20
User-friendly	22
Large-scale mowers	24
DISCO DUO	28
DISCO AUTOSWATHER	30
DISCO BUSINESS	34
DISCO CONTOUR	40
DISCO TREND	42
The "Wildretter" wildlife rescue project	48
CLAAS Service & Parts	50
Features	52
Specifications	56

MAX CUT – always one step ahead.

Perfect results in all operating conditions.

When the technology is right, no alternatives are needed. That's why MAX CUT mower bars are fitted on all DISCO large-scale mowers.



MAX CUT – satisfied customers all around the world.



- 1 Gabriele Gambini, contractor, Italy
- 2 Darcy Finch, contractor, New Zealand
- 3 Yukio Tomari, farmer, Japan
- 4 Karl Krumm, contractor, Germany
- 5 Hayo Verbeek, farmer, Germany
- 6 Didier Grasset, farmer, France



Gabriele Gambini, contractor, Italy

"The new bar is great, because it does the job reliably in any situation."



Darcy Finch, contractor, New Zealand

"We've been working with MAX CUT for the last four years, and have harvested over 12,000 ha in that time. The bar is extremely durable and always delivers top performance."



Yukio Tomari, farmer, Japan

"With my DISCO, I mainly mow meadow fescue. When I compare it with other mowers, I find I can drive much faster while still obtaining perfect cutting quality."



Karl Krumm, contractor, Germany

"My customers and I are completely satisfied with the high quality of the DISCO 9100 AS. I would buy the same machine again tomorrow."



Hayo Verbeek, farmer, Germany

"Even at high work speeds and dealing with different growth heights, we always get a very good quality cut."



Didier Grasset, farmer, France

"We are very satisfied with the new mower bar. As well as the quality of cut, we like the low costs and ease of maintenance."

The secret lies in the wave design.



Maximum pressing force.

The core structure of the mower bar is the wave-shaped bed, stamped from a single piece, with a pressing force of 3,000 tonnes. This is the secret of MAX CUT, giving it the required underlying strength and allowing the inclusion of a host of unique technical details. The wave design is the only way to meet all the requirements for a mower bar today, efficiently and without compromise.

Ultra-precise bolt fit.

The base and cover are machined together, resulting in an ultra-precise fit between the two halves of the structure. The innovative bolt design also provides a perfect positive connection, for maximum deflection and impact resistance without the weakening effect of welding processes. And last but not least, the use of high-strength, fine-grain steel ensures maximum service life for the MAX CUT mower bar, even under extreme loads.



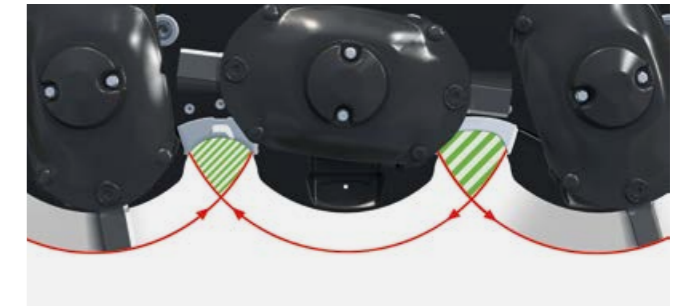
A strong cover.

Optimum use of material: the maximum bar cross-section created by the wave shape, along with the very small module openings in the bar cover, ensure outstanding strength and resilience.



Operation in detail.

Only the wave design can provide the space needed for two distinctive connecting pieces, expressly hardened for this design. The connection piece with a raised section where the knives run towards each other (left) operates like a shear bar, preventing clumps of dirt forming. It also protects the bar from cutting damage. With the slimline connecting piece on the right, as the knives move apart they clear the bar earlier, and start cutting immediately. The special design also ensures optimum crop flow.



Superb quality cut through maximum overlap.

Perfect cut, thanks to the specially shaped connecting pieces: at the point where the knife pairs are moving apart, there is maximum overlap between the circles of rotation of the knives, boosting the cut surface area.



SAFETY LINK.

The familiar SAFETY LINK safety module has been further improved, and is larger than before. The pressed bed structure provides more design space, also making it easier to replace when required. The sealed double groove ball bearing ensures maximum service life. Each individual mowing disc is protected by a predetermined breaking point in the safety module, and is isolated from the drive train in the event of a collision. An axial bolt holds the mowing disc firmly in position.



Tunnel effect.

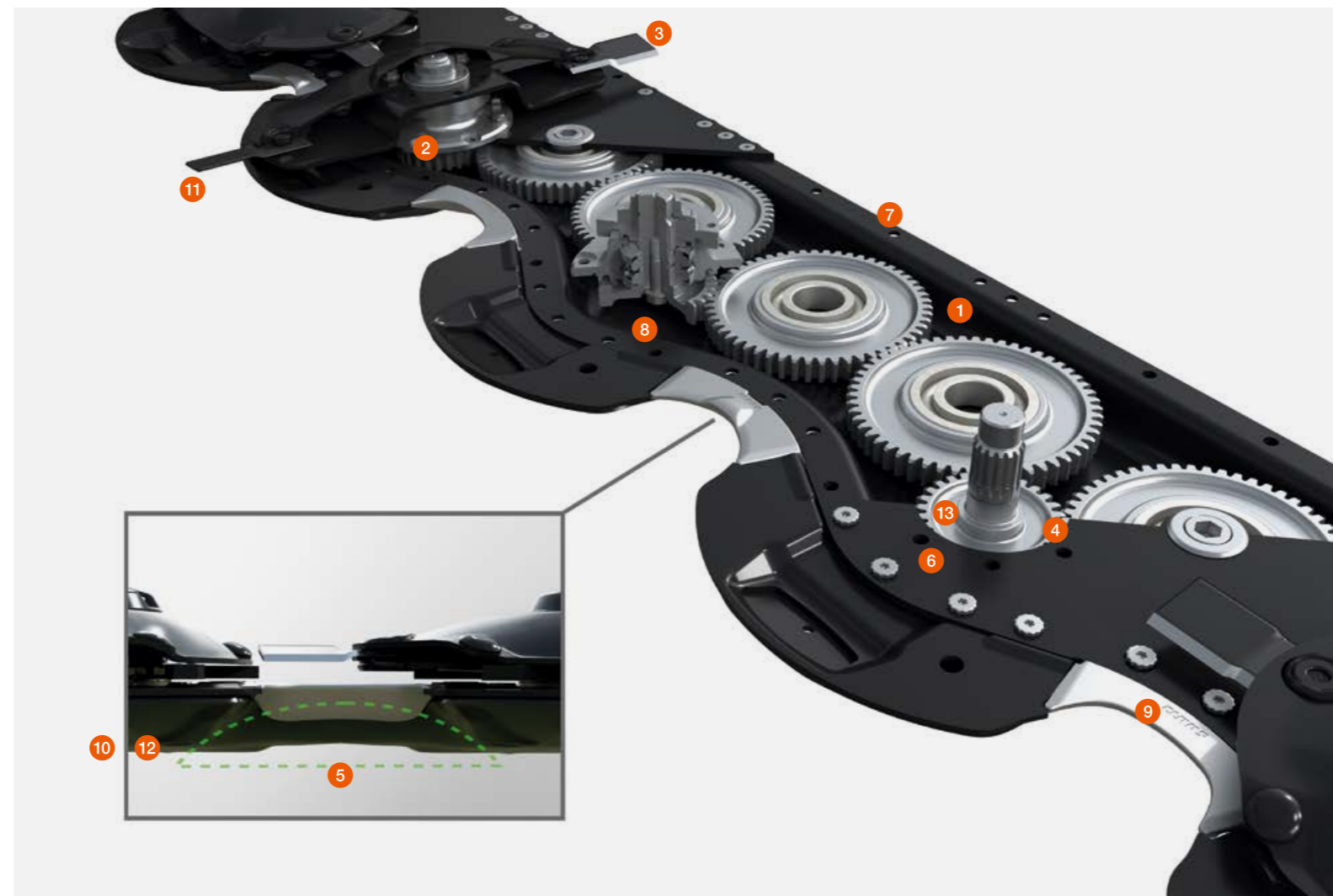
Specially shaped extra-wide skids convey dirt to the rear, ensuring a clean crop. The wave design allows the skid supports to be placed well towards the front, for effective bar protection.

Unique drive concept.

The enhanced satellite drive plus the benefits from a range of other drive design solutions give the MAX CUT mower bar unmatched efficiency performance. The wave shape enables the large satellite wheels to be placed well to the front, engaging at two points. Uniform disc intervals ensure a perfect cut configuration under all operating conditions. Only the highest-quality materials have been used, for maximum service life. The MAX CUT bar is permanently lubricated, and is therefore maintenance-free.

Fuel savings.

- Extremely light footprint, thanks to wide skids, resulting in less material accumulation and lower resistance.
- The mower bar can be run at a reduced PTO speed (850 rpm) – there is no detrimental effect on mowing quality, and you get fuel savings of up to 16 percent.



- 1 Mower bed stamped from a single piece
- 2 Mowing discs in forward position
- 3 Fully rotating knives
- 4 Efficient drive concept
- 5 Optimised tunnel effect
- 6 Innovative bolt connection for maximum deflection and impact resistance
- 7 Permanently lubricated mower bar
- 8 SAFETY LINK safety modules
- 9 Specially hardened and bolted connection pieces
- 10 Skids with spoiler effect
- 11 Convenient quick blade change
- 12 Wear skids, high-cut skids, twin high-cut skids and bar protection device available as optional equipment
- 13 Very small bar openings



Precision in every detail.

Specially finely ground convex gear wheels ensure optimum power transmission efficiency. Because of their size, they turn much more slowly than the satellite wheels, resulting in quiet, low-wear bar operation.



Protected blade holders.

For your safety, the bottom outside surface of the blade holders has a wear-resistant tungsten carbide coating, as also used in excavator buckets.



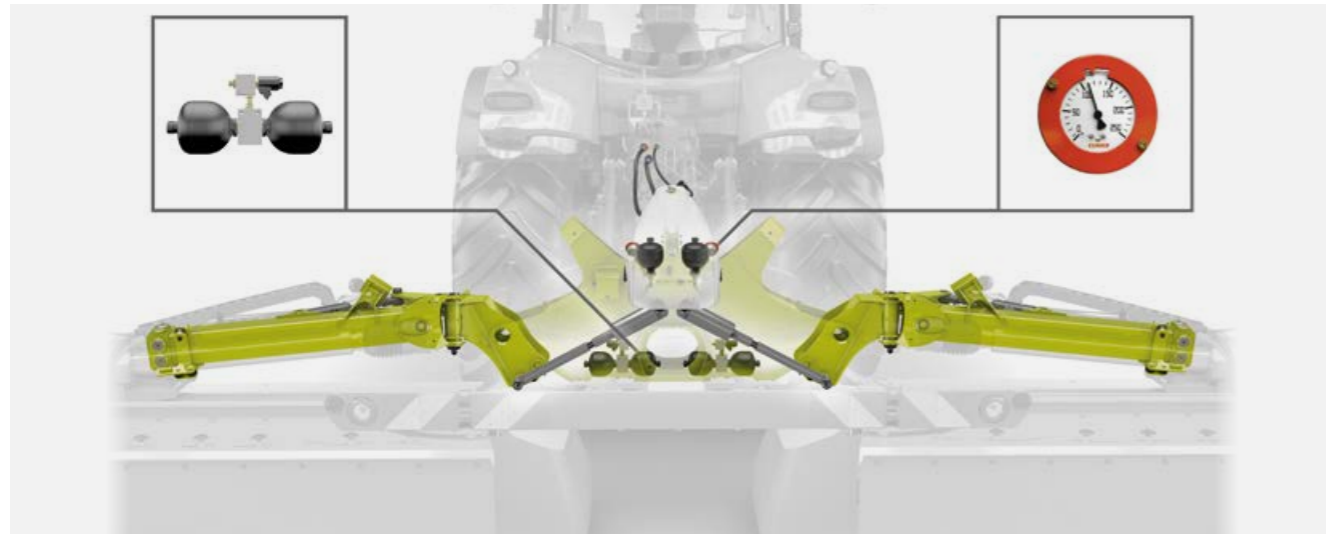
Shaped for action.

The special shape ensures optimum crop flow and wear-resistance. Additional wear bolts provide reliable protection for oblique surfaces.



Free-running, without obstacles.

Long and sharp, yet safe: the freely rotating blades avoid obstacles, with no reverse side impacts. This means they can always be used on both sides before having to be changed.



Optimum results with ACTIVE FLOAT.

No two fields are the same. With ACTIVE FLOAT, you are able to adapt quickly and easily to changing conditions, such as wet spots or dry hilltops. The ground pressure of the mower can be flexibly adjusted with a single-acting spool valve, even while you are working. The currently selected value is displayed on a pressure gauge visible from the cab position.

- Optimum ground-contour following and protection of the grass cover
- Clean forage
- Less power needed, lower fuel consumption
- Low wear and tear
- High working speeds

Frictional resistance transformed into rolling resistance.

ACTIVE FLOAT hydropneumatic suspension is standard equipment on all DISCO large-scale mowers. This suspension system transfers the weight of the mower from the grass cover to the tractor. It also reduces lateral forces during operation on slopes, for increased riding comfort and mowing quality.

The right setting – always.

A single-acting spool valve allows the suspension pressure to be adjusted according to the conditions from the comfort of the cab, even while you are mowing. The current set value is displayed on an easily visible pressure gauge. The general rule is to set the suspension as high as possible, and limit the load to the required minimum. Maximum suspension of the mower unit is particularly recommended when mowing at field edges, so that it literally "floats" over uneven ground.

ACTIVE FLOAT – the comfort version.

Faster adjustment to the operating conditions: in all large-scale mowers with load-sensing comfort hydraulics, the infinitely variable suspension pressure can easily be adjusted at any time via the task menu on the control terminal.



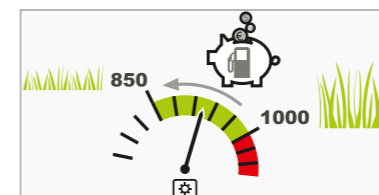
Top results for DISCO CONTOUR.

Independent test results have demonstrated a considerable reduction in both fuel consumption and the foreign material content in forage for DISCO CONTOUR mowers. This is thanks to ACTIVE FLOAT, and also the central hitching configuration. Accordingly, the DISCO CONTOUR model range was awarded the highest score in the test. These mowers can cut your fuel costs, and boost your forage-friendly harvesting capacity and milk production. Fuel consumption can be further reduced by lowering the PTO speed to 850 rpm.

MAX CUT and ACTIVE FLOAT:

- Up to 16 percent less fuel consumption by reducing the PTO shaft speed to 850 rpm
- 2.5 percent less fuel consumption and 17 percent lower ash content in the crop with ACTIVE FLOAT

The economy PTO allows a further reduction in fuel consumption.



The outstanding efficiency of DISCO CONTOUR mowers with ACTIVE FLOAT was confirmed in independent testing by DLG.



Control terminals.

The DUO, AUTOSWATHER and BUSINESS models of DISCO mowers are fitted with load-sensing comfort hydraulics as standard. This allows user-friendly operation via a tablet with EASY on board, COMMUNICATOR II or another ISOBUS-compatible terminal. For the DISCO 9200 BUSINESS / C BUSINESS, the OPERATOR terminal is also available.

In the case of a fully ISOBUS-capable tractor, the function keys can be programmed with all main commands. An additional P2 line enables the mower to be raised in the headland via a single-acting spool valve and integrated in the tractor's headland management system.

In the DISCO CONTOUR, operation is preferably via an ISOBUS terminal or with the CLAAS OPERATOR.

With the DUO, AUTOSWATHER, BUSINESS and CONTOUR models, it is also possible to record the number of completed hectares. The data can then be printed out directly on hard copy with the optional job printer.

The DISCO TREND does not require any terminal at all, and can be operated easily and efficiently with the CMOTION tractor control lever, for example. A two-way valve is available as an option for individual lift of the two mower units.



COMMUNICATOR II.

Intuitive user interface for the simple control of all functions.



OPERATOR.

Ergonomic control terminal with large display and illuminated keys.



EASY on board.

Using the new EASY on board app from CLAAS, all ISOBUS-compatible machines can now be conveniently controlled from a tablet, as long as the tractor is ISOBUS-compatible. The attached implements can be easily operated using the touchscreen. For even greater convenience, selected functions can be assigned to the F keys (auxiliaries) as with any other ISOBUS terminal.

Operation with a tablet is not only convenient, but also very reliable. Fast and reliable tablet power supply for long days in the field is provided with a USB interface, and clarity of the cab layout is also enhanced. The tablet holder bracket is included.

One advantage of this is that customers can use their existing tablet as a machine terminal, giving them a highly flexible, portable solution for a range of other applications. With an online access, for example, a contractor can query all the relevant information directly from the field.

The trend is towards providing a terminal not for the machine, but for the driver: your tablet gives you access to all key machine data, plus all your personal information – as always, the CLAAS brand stands for simple, cost-effective individual solutions for your business.



Further data are readily available via a tablet (e.g. weather information, e-mails, calendar, operating statistics, field data file).



Flexible: use of an existing tablet (iPad 3), with simple, self-explanatory touchscreen operation.



WLAN connection via wireless interface: easy, fast tablet-machine connection.



Solid construction.

The construction of our mowers is robust and clearly laid out, with components built for maximum strength and stamina. To protect the hydraulic components, they are integrated in the frame structure wherever possible.



Breakback protection.

The 15° mounting angle means that a collision causes the mower to move back and pivot upwards. With a mechanical breakback, to continue the operator simply has to briefly back up. Mowers fitted with a hydraulic non-stop breakback automatically return to the starting position.

On-road transport.

Compact and safe: to get the transport height down to less than 4.0 metres, the protective side covers can be folded away, mechanically or hydraulically according to model. And the mower units are secured during road transport with a mechanically or hydraulically operated catch.

Optimum ground-contour following.

The mower units are always castor-mounted at the centre of gravity, allowing them to move freely and follow the ground contours. Arrow markers on the mower booms indicate the correct height setting.

The faster way to dry and wilt the crop.



Tine conditioner.

Tine conditioners with V-shaped tines in a spiral configuration are ideal for harvesting grass crops. Conditioning intensity is set via a baffle plate. Flexible mounting allows the tines to give way and pass around any objects that find their way into the conditioner – stones, for example. This avoids repair costs. As an option, the mown crop can also be spread over the entire working width with a wide crop spreader, or deposited in a single swath with adjustable swathing plates.



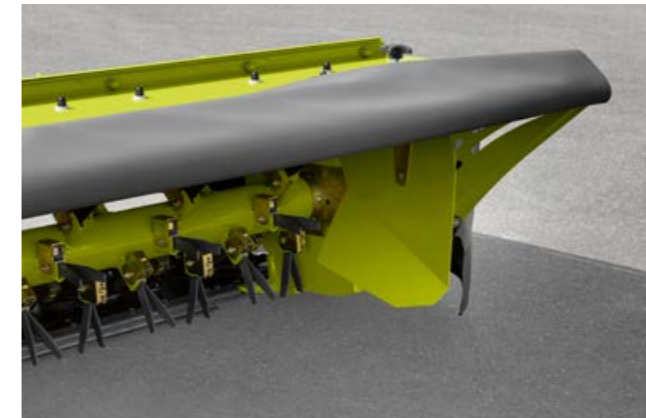
Roller conditioner.

Leafy crops such as alfalfa call for protective conditioning. The aim is to crush the stalks without destroying the leaves and thus wasting them. This is where the DISCO mower unit with roller conditioner comes into its own. The durable, polyurethane V-shaped interlocking rollers crush the hard stalks while protecting the leaves. The conditioning intensity can be adjusted via a spring-loading mechanism, which also protects the rollers from foreign objects. Adjustable swathing plates allow swath formation as desired.



Wide crop spreader.

Even drying: with the optional wide crop spreader for mowers with tine conditioner, the crop is evenly spread over the entire working width.



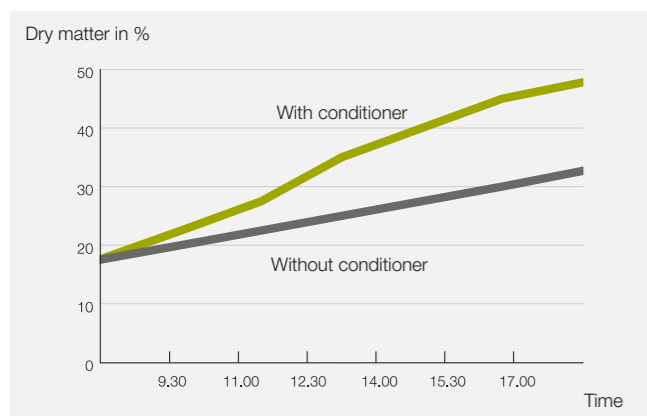
Swathing plates.

Adjustable swathing plates provide a simple and convenient way to adapt to varying forage quantities and set the required swath width.



Feed drums.

The outside mowing discs are fitted with feed drums for optimum crop flow.



Outsmarting the weather.

Conditioner mowers can significantly reduce wilting and drying time, and help make maximum use of very short harvesting windows. You also save on the time required for crop turning operations. CLAAS therefore offers mowers of up to 10.70 metres with tine and roller conditioners.



Swathing discs.

For swath formation as required, models without a conditioner can be fitted with swathing discs.

More time to focus on the job in hand.

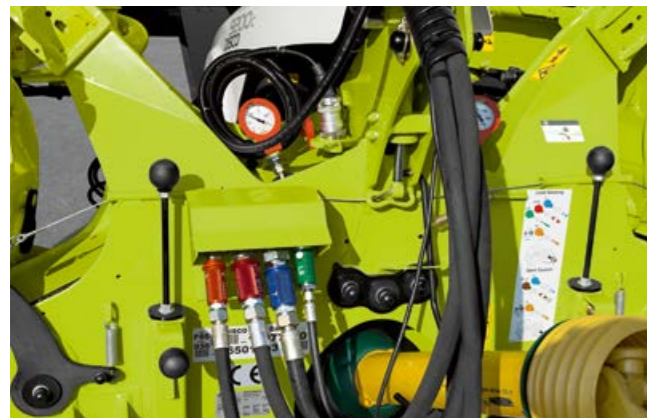
User-friendly detailed features.

DISCO mowers are designed to withstand maximum loads while consistently delivering a top-quality cutting result. They are easy to use, and maintain outstanding efficiency, even with minimum power requirement. All maintenance work is carried out quickly and easily, and attaching and detaching implements has never been easier.



Easy and efficient hitching.

All DISCO large-scale mowers have lower linkage guide straps. That ensures stress-free mowing, right from the start.



No risk of confusion.

Almost all large-scale mowers have easy-to-apply KENNFIX® hydraulic connectors, with or without magnetic bracket.



Quick blade change.

Blades can be replaced in no time at all, using the fitting lever provided. A weatherproof blade box integrated in the mower provides convenient storage for replacement blades and the fitting lever.

Stylish and functional design.

The first signs of wear are normally seen on the protective frames – so on DISCO large-scale mowers, stainless special steel frames are used. The bolts attaching the protective covers are also made of special steel, ensuring easy removal when required.



No-mess oil changes.

For no-mess oil changes, every CLAAS rear mower comes with an oil can with two filling necks, designed to fit the filling and draining openings.



Easy access.

The bar is super-easy to access for cleaning and maintenance work in all models. Convenient hooks are provided to secure the protective covers.



Drive shaft.

The drive shafts of all DISCO mowers feature an innovative protection and lubrication system. Ease of access was also a key design objective. A 250-hour lubrication interval makes for significantly easier maintenance.



There's sure to be a model for you.

Large-scale mowers for every need.

The classic DISCO CONTOUR, DISCO AUTOSWATHER with swath grouping, and DISCO DUO with reverse-drive system have been joined by the DISCO BUSINESS comfort model and the DISCO TREND entry-level model. The five model ranges differ slightly in terms of ease of operation and equipment – but all of them meet the high quality demands that CLAAS places on every machine it makes.



DISCO DUO



DISCO AUTOSWATHER



DISCO BUSINESS



DISCO CONTOUR



DISCO TREND



	The mower for tractors with a reverse-drive system	The biomass mower		The comfort model	The classic	High-productivity entry-level model
Models ^{1,2} and working width ³	9400 C DUO: 9.10 / 8.90 m	9200 C AUTOSWATHER: 9.10 / 8.90 m		1100 RC BUSINESS / C BUSINESS: 9.40–10.70 m ⁴ 9200 BUSINESS / C BUSINESS: 9.10 / 8.90 m	9200 CONTOUR / RC CONTOUR / C CONTOUR: 9.10 / 8.90 m 8500 CONTOUR / RC CONTOUR / C CONTOUR: 8.30 / 8.10 m	1100 TREND: 9.40-10.70 m ⁴ 9200 TREND: 9.10 / 8.90 m 8500 TREND: 8.30 / 8.10 m
Operation and control	Load sensing P2 operation ISOBUS EASY on board ⁵ COMMUNICATOR II	Load sensing P2 operation ISOBUS EASY on board ⁵ COMMUNICATOR II		Load sensing P2 operation ISOBUS EASY on board ⁵ COMMUNICATOR II OPERATOR with 9200 BUSINESS / C BUSINESS	ISOBUS (pre-selection) OPERATOR Hydraulic spool valves	No terminal required Hydraulic spool valves Control terminal in the 1100 TREND
Breakback protection	Hydraulic (non-stop)	Hydraulic (non-stop)		Hydraulic (non-stop)	Mechanical	Mechanical or hydraulic (nonstop) in the 1100 TREND
Transport locking device	Hydraulic	Hydraulic		Hydraulic	Hydraulic	Mechanical or hydraulic in the 1100 TREND
Front mower options ⁶	All front mower options included	Disc speed monitoring and ACTIVE FLOAT display ACTIVE FLOAT control Automatic hydraulic operation of protective covers		Disc speed monitoring and ACTIVE FLOAT display ACTIVE FLOAT control Automatic hydraulic operation of protective covers	Disc speed monitoring and ACTIVE FLOAT display	–
Outside protective cover folding	Hydraulic	Hydraulic or mechanical		Hydraulic	Hydraulic or mechanical in the 9200 CONTOUR	Hydraulic in the 1100 TREND, mechanical in the 9200 TREND
Lift height limiting function	Electronic (with angle sensor)	Electronic (with angle sensor)		Electronic (with angle sensor)	Electronic (with angle sensor)	Mechanical (stop lock)

¹ "C" denotes tine conditioner, "RC" roller conditioner

² Model availability differs according to country

³ Two hole positions for increased mowing width or more overlap, as preferred

⁴ Working width according to front mower

⁵ EASY on board: tablet-based operation with the versatile terminal app from CLAAS

⁶ The front mower option can be used only if the front mower is fitted with ACTIVE FLOAT or hydraulic protective covers

Unbeatable.

DISCO 9400 C DUO has a working width of 9.10 metres, making it the widest mower on the market for tractors with a reverse-drive system. The mounting location immediately in front of the cab gives the driver a clear view of the mowers and the crop, for maximum driving comfort. If required, the mower can be converted for operation as a front-rear combination.

DUO benefits.

- ACTIVE FLOAT for all units (including front mowers)
- MAX CUT for superb chop quality
- Tine conditioner
- Hydraulic non-stop breakback protection
- KENNFIXX® hydraulic connector with hydraulic function marking and magnetic bracket
- Hydraulic foldable protective covers (standard)
- Hydraulic transport locking device
- Lower link guide clips for ease of mounting
- LED light bar
- Optionally fitted with four LED lights for professional harvesting results, even at night

Disc speed monitoring and drive protection.

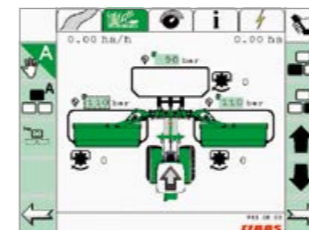
If the disc speed of a mower unit falls below a defined limit (which can be pre-set as required), the driver is alerted to this with a visual and acoustic alarm signal. This means the full performance capacity of the machine can be harnessed at all times. An angle sensor can be used to save the required headland lift height. In combination with the disc speed monitoring system, the angle sensor effectively protects the drive from operator errors.



Individual lifting function for mowers at the headland.



Compact transport position



User-friendly operation, e.g. with ISOBUS terminal S10 and the ISOBUS function buttons on the control lever



Clear layout reduces operator stress and boosts mowing productivity.



Hydraulic non-stop breakback protection in case of a collision impact – the mower pivots, and is automatically placed in the starting position.



The standard lift and suspension rams of the ACTIVE FLOAT suspension provide reliable protection for the grass cover.

The biomass mower.

A genuine all-rounder.

The DISCO 9200 C AUTOSWATHER is the professional mower for contractors, large agricultural businesses and biogas plant operators. The biomass mower with swath-grouping function was specifically developed for harvesting whole-plant silage crops such as forage rye or triticale. Multiple operating processes ensure maximum flexibility.

Play it safe.

To ensure the harvested crop reaches the belt units without wastage, the mower is equipped with an enclosed conditioner tank.



A satisfied customer.

Farmer Markus Jehle operates a 500 kWh biogas plant in southern Germany. "The higher up-front investment is quickly paid off due to the greater efficiency," he says. "Running the JAGUAR with an '18 m on 12 m' crop deposit strategy delivers optimum productivity all the time. And the DISCO 9200 C AUTOSWATHER also makes for a smooth green rye harvesting operation, because a large amount of material can be handled cleanly and with minimal waste."

One mowing combination, four processes.



1 Swath grouping:

For swath grouping, the two belt units are folded down. Specifically for a biomass crop, the DISCO 9200 C AUTOSWATHER forms a perfect box-shaped swath. The high torque of the belt drive allows operation at low rpm.



2 18 metres into one swath:

In addition to depositing a single swath, by folding up one of the belt units, during a back-and-forth pass you can consolidate a working width of 18 metres into 12 metres. Working in combination with the LINER 3600, which has a raking width of 12.50 metres, the mower can combine a working width of 18 metres into a single swath. Results from the field show that this can boost the JAGUAR's harvesting capacity by up to 40 percent.



3 Spreading the crop:

When the weather lets you down, stay flexible: by folding up the belt units, you can operate the DISCO 9200 C AUTOSWATHER as a normal large-scale mower.



4 Edge mowing:

The DISCO 9200 C AUTOSWATHER makes for even more efficient edge mowing: with an active belt unit at the outside field edge, you can throw the crop material inwards, to make sure none of your valuable crop is lost.



Disc speed monitoring and drive protection.

If the disc speed of a mower unit falls below a defined limit (which can be pre-set as required), the driver is alerted to this with a visual and acoustic alarm signal. This means the full performance capacity of the machine can be harnessed at all times. An angle sensor can be used to save the required headland lift height. In combination with the disc speed monitoring system, the angle sensor effectively protects the drive from operator errors.

Front mower options.

For even greater convenience, users of DISCO 9200 C AUTOSWATHER machines can also optimise their CLAAS front mower, provided the front mower and large-scale mower are fitted with the required options. No additional spool valve is then required for front mower additional options. The range includes disc speed monitoring and the ACTIVE FLOAT display, ACTIVE FLOAT control, and automatic control of the hydraulically foldable protective covers.

Maximum flexibility.

The professional control system allows individual lift at the headland and individual belt unit folding (1).

ISOBUS-compatible.

Operation is simplicity itself, via a tablet with EASY on board, for example (2).

AUTOSWATHER benefits.

- Two individual belt units with belt speeds that can be pre-set for maximum crop throughput
- ACTIVE FLOAT
- Tine conditioner
- MAX CUT for superb chop quality
- Non-stop breakback protection in case of a collision – the mower pivots, and is automatically placed in the starting position
- KENNFIXX® hydraulic connector with hydraulic function marking and magnetic bracket
- Hydraulic foldable protective covers (optional)
- Hydraulic transport locking device
- Lower link guide clips for ease of mounting
- LED light bar
- Optional six LED lights for professional harvesting into the night
- Automatic central lubrication (optional)



BELT BOOST.

When the mower units are raised at the headlands, the feed belts are automatically accelerated to the maximum speed with the patented BELT BOOST technology. This forms a tapered swath, rather than increasing its width. The swath is then picked up by the harvesting machine following behind without any loss of material.



Tine conditioner.

With a tine conditioner, the material is fed directly onto the belt.



Masterly mowing performance.

Unprecedented productivity.

The DISCO 1100 BUSINESS offers a working width of up to 10.70 m, making it the largest mower conditioner on the market today. This is the ideal machine for the professional, with its combination of unbeatable productivity, smart technology and user-friendly operation.

The DISCO 1100 BUSINESS is equipped with either tine or roller conditioners. The tried and tested member of the BUSINESS series, the DISCO 9200 BUSINESS, with a maximum working width of 9.10 metres, is available with and without a tine conditioner.

The DISCO 1100 drive concept.

The intelligent drive train design is ultra-reliable, and also needs very little maintenance. The external mower drive means that a simple telescoping drive shaft is all that is needed.



The DISCO 1100 telescopic booms.

The two telescopic booms, each with a 3.80-metre-wide MAX CUT mower bar, have infinitely variable adjustment via the terminal to the mower. The protected, inside travel measurement rams provide flexible overlap setting capability, allowing a greater overlap in tight curves or on slopes, for example.

For road transport, the telescopic booms can be folded upwards, and also downwards at up to 20 cm ground clearance. This combines a maximum working width of 10.70 metres, including conditioner, with a compact road transport position of less than 4.0 metres in height.



With hydraulically controlled booms, working widths of between 9.40 and 10.70 metres can be achieved, according to the front mower used.



The telescopic boom technology offers significant benefits for the farming professional.



Optimum work result even in curves, thanks to maximum overlap (up to 60 cm).

Disc speed monitoring and drive protection.

If the speed of a mower unit falls below a (pre-adjustable) limit value, the driver is alerted with a visual and audio alarm. This allows full utilisation of the machine's capacity at all times. The required lift height at headlands can be saved, using an angle sensor. In combination with the disc speed monitoring function, the angle sensor provides effective protection against operator errors.

Front mower options.

Users of DISCO 9200 BUSINESS and DISCO 1100 BUSINESS machines can also optimise their CLAAS front mower, provided the front mower and large-scale mower are fitted with the required options. This means no additional spool valve is required. The range includes disc speed monitoring and the ACTIVE FLOAT display, ACTIVE FLOAT control and automatic control of the hydraulically folding protective covers.

BUSINESS benefits.

- ACTIVE FLOAT
- MAX CUT for superb chop quality
- Hydraulic non-stop breakback protection
- KENNFIXX® hydraulic connector with hydraulic function marking and magnetic bracket
- Hydraulically folded side protective covers as standard, in the DISCO 1100 additional two-part folding of inner protective covers
- Hydraulic transport locking device
- Lower link guide clips for ease of mounting
- LED light bar
- Optionally fitted with four LED lights for professional harvesting results, even at night



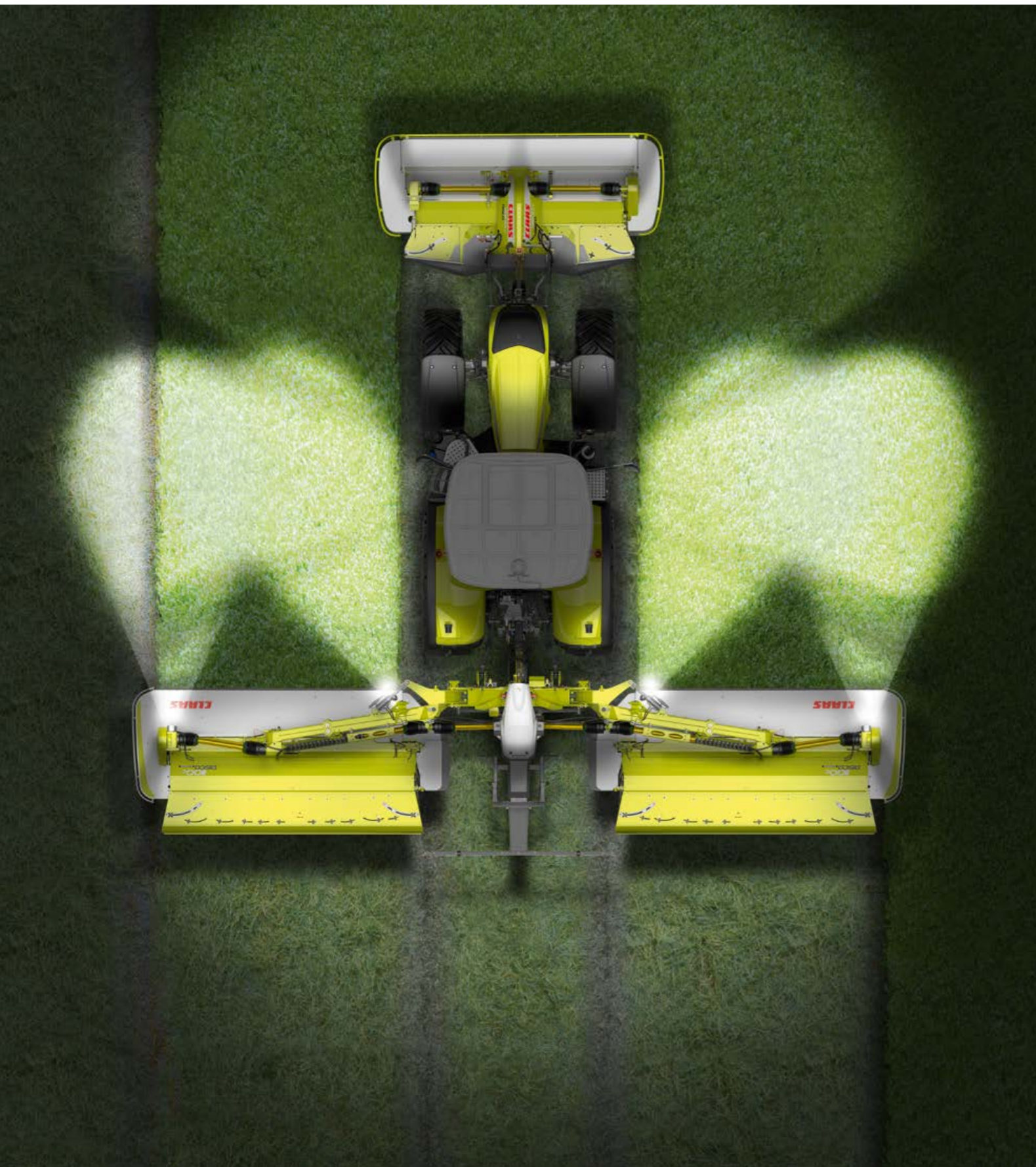
Hydraulic non-stop breakback protection in case of a collision impact – the mower pivots, and is automatically placed in the starting position.



Additional options for the front mower, e.g. speed monitoring, ACTIVE FLOAT control and protective cover folding.



Less than 4.0 metres: compact transport position with generous ground clearance in both BUSINESS models.



Unbeatable work rates.

Markus Hagmann runs a biogas plant in Southern Germany, and mows 600-700 ha per year with his DISCO 1100 RC. The machine often has to work for 10 h or more at a stretch, so the focus is on reliable technology.

He uses an intensive five-way crop rotation strategy, with plenty of clover and not too much maize. For optimum drying performance, Markus has opted for a roller conditioner. "But the system is also consistently reliable for higher-density field crops like fodder," he says.



Powerful illumination.

Harvesting sometimes continues into the night, so four optional LED work lights provide for professional-quality mowing after dusk.



Top performer over many years.

With its two working widths (9.10 / 8.90 or 8.30 / 8.10 metres), the DISCO CONTOUR is a tidy and reliable performer in all conditions.

Proven CONTOUR benefits.

- ACTIVE FLOAT
- Mechanical breakback protection
- Without conditioner or with tine or roller conditioner, as preferred
- Synchronised mower lifting and lowering even on slopes
- Compact and robust

Even greater comfort.

- MAX CUT for superb chop quality
- KENNFIXX® hydraulic connector with hydraulic function marking
- Programmable headland height
- Hydraulic protective cover folding in all DISCO 9200 CONTOUR machines
- Hydraulic transport locking device (without cable)
- Lower link guide clips for ease of mounting

Front mower options.

For even greater comfort, the DISCO CONTOUR provides disc speed monitoring and ACTIVE FLOAT display for your CLAAS front mower, provided the ACTIVE FLOAT option is fitted on the front mower.



Disc speed monitoring and drive protection.

If the speed of a mower unit falls below a (pre-adjustable) limit value, the driver is alerted with a visual and audio alarm. This allows full utilisation of the machine's capacity at all times. The required lift height at headlands can be saved, using an angle sensor. In combination with the disc speed monitoring function, the angle sensor provides effective protection against operator errors.



Endurance test in alfalfa.

The French dried crop product specialist Luzéal in France operates over a total area of 40,000 ha at six different locations, producing around 162,000 tonnes of dry product a year, in the form of pellets and bales. At their Saint-Remy-sur-Bussy location, they used the DISCO 9100 RC predecessor model in combination with a DISCO 3500 FRC front mower and the MAX CUT mower bar. In two years of harvesting, they mowed and conditioned around 20,000 ha of alfalfa with this mowing combination. Apart from a SAFETY LINK module shorn off in a collision, no visits to the workshop for repairs were ever required. According to Hughes Dubreuil, location manager at Saint-Remy-sur-Bussy: "We were delighted with the operational quality and the strength and reliability of this mowing combination, and the MAX CUT mower bar."



Compact transport position for safe travel on the road.



Space-saving: stable parking position for all large-scale mowers.



The OPERATOR: ergonomic control terminal with large display and illuminated buttons for pre-selection of control functions.

When more productivity is called for.



Professional technology for every situation.

DISCO TREND is the ideal mower for farming businesses looking for high-productivity, low-weight technology solutions. The DISCO 1100 TREND is the entry-level model, and an ideal first step towards superior ha/h work rates when used with tractors from as little as 120 hp. But its potential is also fully utilised in combination with more powerful tractors. The DISCO TREND stands for high productivity and ease of operation, with working widths of 8.30 m, 9.30 m and now 10.70 m. And of course it uses the same high-quality parts as the other large-scale mowers in the CLAAS range.

NEW: THE DISCO 1100 TREND.

This new mower is ideal for large-scale farming operations relying on high-efficiency tractors. An electric control terminal allows the preselection of specific functions, such as individual mower lift. The mower can then be operated from inside the cab, with no need for a control cable. And all other aspects are controlled by the driver via the spool valves and the tractor's headland management system.



Two hydraulically controllable telescopic booms with continuous adjustment for optimal overlapping in the DISCO 1100 TREND



Pressure-gauge dial to conveniently set the ground pressure for both mowing units.



Mechanical breakback protection: in the event of a collision, the machine is moved back and slightly upwards (hydraulic nonstop breakback protection in the DISCO 1100 TREND).



Compact, robust mounting trestle with integrated ACTIVE FLOAT suspension system as standard.



Lower link guide clips for ease of mounting.

More mowing power than you ever thought possible.



Testing a new machine.

"As a prototype customer, we get first-hand experience of the professional support CLAAS offers its customers every step of the way.

The productivity argument quickly convinced me of the merits of a larger-scale mower. And as I have come to expect with CLAAS, the process ran like clockwork. The only difference was that instead of sharing my impressions with colleagues and other farmers, I was talking directly to the manufacturer. It was also quite a thrill to be working with equipment that was not yet commercially available."

"The DISCO 1100 TREND - the ultimate in efficiency."

"I have 200 ha of green crop area to mow, an average of four times a year. To get the best result I have to mow at just the right time - so I have to get the job done quickly. If the future is going to bring less favourable climate conditions, having real mowing power when I need it will become even more important. My new mowing combination offers a mix of professional equipment and ease of operation - this is mowing at its best!"

With his new mowing combination of a DISCO 1100 TREND and a 3150 F, Kai Glander, a young farmer from Riede in Lower Saxony, has replaced two front-and-rear combinations in one go, and can now work with just one driver, faster and more efficiently than ever before.

He likes to be self-reliant, and also has a strong focus on quality. He insists on giving his 700 dairy cows only the best possible feed. That means quality has to start right from the mowing stage - which calls for a cleanly cut crop with minimum soiling.



Kai Glander runs a herd of 700 dairy cows on a farm in Riede, Lower Saxony.



Less than 4.0 m high, and a compact package all round, like all DISCO models. The two mowers retract telescopically, and the machine then folds into the road transport position.



Using your tractor's intelligence.

The DISCO TREND does not require a control terminal, but is easily and efficiently operated directly via the tractor spool valves. The basic version requires one single-acting spool valve for the folding function and another for the ACTIVE FLOAT suspension (for both mowers). With an optional additional spool valve, it is also possible to set individual lift for the two mowers, via a two-way valve, for example.

The DISCO 1100 TREND also has a practical control unit for the individual lift function, for folding into the transport position, and, as an option, for switching the work lights on and off.

Even without a terminal, mower control can be conveniently integrated into the headland management system. Individual lift is then performed easily and efficiently via the F keys on the CMOTION control lever for example, or directly via spool valves in the armrest. For the DISCO 1100 TREND the same applies to the telescoping function. This provides a perfect match between the functionality of today's intelligent tractor technology and the attached implements.

TREND benefits.

- ACTIVE FLOAT
- MAX CUT for superb chop quality
- Mechanical breakback protection (or a hydraulic non-stop breakback system for the DISCO 1100 TREND)
- Mechanical transport lock (hydraulic in the DISCO 1100 TREND)
- Straightforward attaching with lower control link clips
- Optional pivoting swathing discs
- Headland lift function with no control terminal, and optional individual mower lift (standard in the DISCO 1100 TREND)
- Parking in transport position
- 2-way valve mechanism to set individual mower lift in the DISCO 9200 and 8500 TREND (optional)



DISCO TREND and CORTO.

For those who prefer to work with a front drum mower, the DISCO TREND makes a perfect combination with a CORTO 3200 F / FN PROFIL.



Every year in spring.

Wildlife is particularly at risk in the months from April to June, at the start of green crop mowing operations. Fawns are a prime example - in the presence of noise or danger, their natural instinct is to keep low to the ground and find a place to hide. They are therefore easily overlooked during mowing, and can become caught up in the mower mechanism. This clearly calls for active protection measures - not just for animal welfare reasons, but also to safeguard farm animals from the risk of the spread of botulism, and to avoid emotional stress for the mower operator in the event of an accident.

What can we do about this?

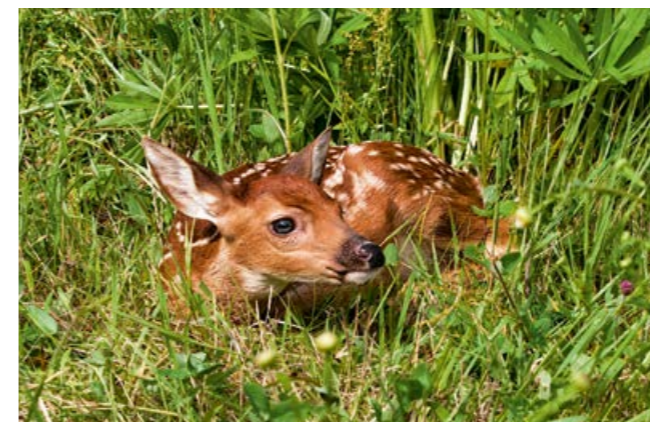
There is a wide range of commercially available wildlife protection systems, based on scaring off deer and other animals with acoustic alarms or visual stimuli, ideally the night before mowing begins. Appropriate mowing strategies can also be used to make it easier for the animals to escape, by mowing from the centre of the field outwards, for example. Excellent results have been achieved simply by walking through the field beforehand with the game tenant, but the time and expense involved can be prohibitive. All these methods work to some extent, but not for all wildlife species, or only from a particular age. A more efficient and reliable approach is needed.

A CLAAS community initiative.

In partnership with isa industrieelektronik GmbH, the German Aerospace Centre (DLR) and the Technical University of Munich, CLAAS has developed some innovative and practical solutions for the more precise detection of wild animals - particularly young deer - in fields of crops. Infrared cameras are used to scan the terrain from the air, and reliably detect the presence of animals through their body heat, even when concealed in high grass.

The system is particularly effective in the early morning hours or in the evening, when ambient temperatures are relatively low. The Wildretter project was awarded the prize for wildlife protection research at the SIMA trade fair in 2011.

Further information on wildlife protection can be found at www.wildretter.de.



When frightened by noise or a threat, fawns hide in long grass.



CLAAS joined with other project partners right from the start.

Whatever it takes – CLAAS Service & Parts.



Your requirements count.

You can always rely on us: we'll be there whenever you need us – everywhere, quickly and reliably, around the clock if necessary, with precisely the solution that your machine or business requires. Whatever it takes.

100% operating reliability.

Fitting CLAAS ORIGINAL parts ensures the highest degree of operating reliability. Our parts are perfect-fitting, high-quality series parts produced using the latest manufacturing methods and subject to continuous quality controls. Whatever it takes.

ORIGINAL parts and accessories.

Your machine has a crucial role to play – so ensuring its reliability is essential. We think in terms of solutions: for your harvesting requirements and your business. Specially matched to your machine: precision-manufactured parts, high-quality consumables and useful accessories. We will supply exactly the right solution for your machine from our comprehensive product range. Whatever it takes.

Always quickly on the scene.

A tight-knit service network and personal contact partners ensure that we are always easily accessible – from sales staff to technical support and customer service. Whatever it takes.

Always up to date.

CLAAS dealers are among the most efficient agricultural technology companies in the world. Our service teams are ideally qualified and equipped with the all-important special tools and diagnostic systems. CLAAS Service stands for high-quality work which meets all your expectations with regard to expertise and reliability. Whatever it takes.

Worldwide coverage from Hamm.

Our central spare parts warehouse delivers all ORIGINAL parts quickly and reliably all over the world. Your local CLAAS partner can supply the right solution for your harvest or your business within a very short time. Whatever it takes.



The CLAAS Parts Logistics Center in Hamm, Germany, stocks more than 155,000 different parts with warehouse floor space of over 100,000 m².



Top forage quality.

- Top chop quality with the MAX CUT mower bar
- Extra-wide skids
- Perfect cut, with no stripe marks from dirt on the bar
- Maximum overlap, thanks to special slimline connection pieces
- Smooth running, even at high speeds
- Gentle crop flow
- Central hitching and ACTIVE FLOAT suspension for maximum soil protection and agility

Strength and stamina.

- Robust, high-quality materials for all components
- Wave-shaped mower bed stamped from a single piece, with no welds
- Wave shape allows maximum bar cover size, only small module holes required
- Innovative bolt concept for maximum deflection and impact resistance, even under extreme loads

Powerful, economical and reliable.

- Durable, reliable, low-wear
- The innovative MAX CUT drive is extremely powerful and efficient
- MAX CUT: 100% quality made by CLAAS: high-quality material, maximum operating precision and total monitoring capability
- Low diesel consumption, thanks to ACTIVE FLOAT and the economy PTO (850 rpm)

Convenient.

- Outstanding maintenance-friendly features, with excellent access for cleaning and maintenance tasks
- SAFETY LINK reliably protects the drive train, and is quickly replaced when required
- Ultra-convenient transmission oil changes with oil can provided
- No oil changes on bar required
- Long drive-shaft lubrication intervals
- Easily fitted wear, high-cut and twin-high-cut skids
- Ultra-convenient hitching with lower link guide

With DISCO, there's more to enjoy at the end of the day.



DISCO large-scale mowers ¹		9400 C DUO	9200 C AUTOSWATHER	1100 RC BUSINESS	1100 C BUSINESS	9200 C BUSINESS	9200 BUSINESS	9200 RC CONTOUR	9200 C CONTOUR	9200 CONTOUR	8500 RC CONTOUR	8500 C CONTOUR	8500 CONTOUR	1100 TREND	9200 TREND	8500 TREND
Dimensions and weights																
Working width ²	m	9.10 / 8.90	9.10 / 8.90	9.60-10.70 ³	9.40-10.70 ³	9.10 / 8.90	9.10 / 8.90	9.10 / 8.90	9.10 / 8.90	9.10 / 8.90	8.30 / 8.10	8.30 / 8.10	8.30 / 8.10	9.60-10.70 ³	9.10 / 8.90	8.30 / 8.10
Hitch category		III	III	III	III	III	III (II)	III	III	III (II)	III	III	III (II)	III	III (II)	III (II)
PTO speed	rpm	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)	1000 (850)
Transport width	m	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
Machine height	m	3.81	3.89	3.79	3.79	3.89	3.89	3.89	3.89	3.89	3.64	3.64	3.64	3.79	3.64	3.64
Weight	approx. kg	2800	3590 (+ 40 ⁴)	3570	3520	2360	2010	2600	2320	1980	2300	2100	1830	2600	1940	1790
Mower																
MAX CUT mower bar ⁵		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ACTIVE FLOAT suspension		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Discs (2 knives per disc)		2 x 8	2 x 8	2 x 9	2 x 9	2 x 8	2 x 8	2 x 8	2 x 8	2 x 8	2 x 7	2 x 7	2 x 7	2 x 9	2 x 8	2 x 7
Quick blade change		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Conditioner																
Conditioner speed	rpm	910	1100 / 990	940	910	910	–	940	910	–	940	910	–	–	–	–
Hydraulics																
Hydraulic spool valves		LS (or 1 x sa + free return) + 1 x sa for P2						1 x sa + 1 x da						2 x da (+ 1 x sa)	2 x sa (+ 1 x sa ⁶)	
Operation																
ISOBUS-compatible		●	●	●	●	●	●	● (pre-selection)	● (pre-selection)	● (pre-selection)	● (pre-selection)	● (pre-selection)	● (pre-selection)	–	–	–
EASY on board		○	○	○	○	○	○	–	–	–	–	–	–	–	–	–
COMMUNICATOR II		○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	–	–	–	–	–	–	–	–	–
OPERATOR		–	–	–	–	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	–	–	–
ISOBUS cable		○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	–	–	–
Hectare count for OPERATOR		–	–	–	–	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	–	–	–
Order printer		○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	○ ⁷	–	–	–
Optional																
Hydraulically foldable protective side covers		●	○	●	●	●	●	○	○	○	–	–	–	●	–	–
Wide crop spreader		○	●	–	○	○	–	–	○	–	–	○	–	–	–	–
Adjustable swathing plates		●	●	●	●	●	–	●	●	–	●	●	–	–	–	–
Outside swathing disc		–	–	–	–	–	●	–	–	●	–	–	●	○	○	○
High-cut skids		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Twin high-cut skids		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Wear skids		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Bar protection device (for intensive use conditions)		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Warning signs with lighting		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hydraulic transport locking device		●	●	●	●	●	●	●	●	●	●	●	●	●	–	–
Breakback protection		–	–	–	–	–	–	●	●	●	●	●	●	–	●	●
Mechanical		–	–	–	–	–	–	●	●	●	●	●	●	–	●	●
Hydraulic		●	●	●	●	●	●	–	–	–	–	–	–	●	–	–

¹ C = tine conditioner, RC = roller conditioner, no suffix = without conditioner

² Working width including front mower 3600 FRC / FC / F PROFIL, 3200 FRC / FC / F PROFIL, 3150 F

³ According to front mower used, infinitely variable adjustment

⁴ Central lubrication

⁵ Standard cut height 40 mm (infinitely variable adjustment 30–70 mm)

⁶ For individual lifting function

⁷ Optional

CLAAS continually develops its products to meet customer requirements. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please refer to your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed to present the function more clearly in photographs. To avoid any risks, you should never remove these protective panels yourself. In this context, please refer to the relevant instructions in the operator's manual.



Ensuring a better **harvest.**

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