Combine harvester front attachments
LEXION TUCANO AVERO DOMINATOR
Combine harvester front attachments.

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Combine harvester front attachments.
Meeting diverse harvesting requirements.

For every requirement.

The wide range of CLAAS combines offers you the right machine for every job. But the harvesting process starts with the front attachment and only the right one will allow your machine to work effectively and to perform to the highest standard.

CLAAS ensures that the harvesting process gets off to the best possible start by offering you the right front attachment – and therefore a high level of flexibility – for every threshable grain. Whether you are harvesting grain, such as wheat, rye, barley, oats and triticale or rapeseed, maize, sunflowers, rice, soya, flax, beans, lentils, millet, grass seed or clover seed – CLAAS front attachments allow you to make full use of your combine’s performance potential.

The wide range of CLAAS front attachments offers you the perfect answer – for every machine, every application, every crop and every requirement.

combine-front-attachments.claas.com
The C 490 to C 370 standard cutterbars are equipped with the tried and trusted rigid cutterbar table. They impress with their excellent manageability and remarkable qualities.

The highlights at a glance:
- Intake auger diameter of 480 mm for excellent crop flow
- C 490, C 430 and C 370 for AVERO
- C 450, C 420 for the DOMINATOR 130
- Robust knife drive
- Proven rigid cutterbar table
- MULTIFINGER intake auger
- Hydraulic reel drive
Standard cutterbars.

Use.
The compact standard cutterbars from CLAAS deliver excellent grain harvesting results. They represent a reliable cutterbar choice for the DOMINATOR and the AVERO which is ideal for harvesting in small areas and compact field patterns.

Technology.
- Proven rigid cutterbar table
- Robust knife drive via oil-bath transmission
- 1120 strokes/min
- Automatic tensioning of drive belts
- MULTIFINGER intake auger
- 480 mm diameter intake auger
- Intake auger height is infinitely adjustable

Robust drive
Stripper bars adjustable from outside (C 490, C 430, C 370)
The C 450 and C 420 cutterbars are available for the DOMINATOR 130
CLAAS has extended its range of standard cutterbars with the CERIO 930 to 560 models. These are based on the VARIO 930 to 500 cutterbars and represent an optimal alternative for grain harvesting.

The highlights at a glance:

- Cutterbar table has an overall manual adjustment range of 200 mm
- Large, 660 mm diameter intake auger for optimal crop flow
- Reel optimised to reduce stalk take-up
- MULTIFINGER intake auger
- Crop dividers adjustable for height without tools
CERIO cutterbars.

Use.

The CERIO model series is based on the VARIO 930 to 560 cutterbars and is an alternative for grain harvesting. It is ideally suited to deliver high performance and high area output, whether operating in low or high-yield regions. The cutterbar table can be adjusted manually from – 100 mm to + 100 mm. This means that the cutterbar is able to respond to differing crop conditions or varieties.

The wide range of models, from the CERIO 930 to the CERIO 560, allows the LEXION, TUCANO and AVERO to use CERIO cutterbars.

Technology.

- Manually adjustable table position from – 100 mm to + 100 mm
- Overall manual adjustment range of 200 mm
- Knife drive shaft with automatic, telescopic function
- Continuous knife bar and continuous reel
- Front attachment mechanical drive on one side
- Intake auger and knife bar mechanically driven via gearbox and drive shaft
- Reel with optimised reel tine carriers, wear-resistant tine tube bearings and a new design to reduce risk of wrapping and stalk take-up
- Angled cross-tube for a better view of the cutterbar table from the cab
- Intake auger height is infinitely adjustable
- Feeder housing and intake auger can be reversed
- Stripper bars adjustable from the outside
- LASER PILOT for automatic guidance system can be folded and adjusted without tools
- Automatic parking and transport position
- Automatic operating position

Cutterbar adjustment.

- Manual adjustment under cutterbar table
- Ten screw fixings allow adjustment of cutterbar table
- Five table positions can be set: + 100 mm, + 50 mm, 0 mm, – 50 mm, – 100 mm

Use in rice.

The CERIO cutterbars are equipped ex factory – or can easily be converted – with a coated feed roller and a rice harvesting system for optimal performance in rice.

Rugged drive train.

Thanks to its planetary transmission, the knife bar drive runs extremely smoothly. When the cutterbar table position is changed, the drive shaft adjusts telescopically at the same time, thus allowing work to continue in any position without the need for operator intervention.

The feed roller and knife drive are protected by individual overload clutches. This system allows the CERIO cutterbar to withstand the most adverse conditions and ensures reliable operation.

Cutterbar table retracted – grain (– 100 mm)
Cutterbar table extended – grain (+ 100 mm)
Quick and easy replacement of dividers
Easy adjustment of divider height using the panel key
The VARIO cutterbars.

VARIO cutterbars from CLAAS are synonymous with the best cutterbar table adjustment system in the market. With its VARIO 1230 to VARIO 500 models, CLAAS has made systematic enhancements to its proven VARIO cutterbar range.

The highlights at a glance:

- Integrated rapeseed plates allow infinite adjustment within an overall range of 700 mm for grain and rapeseed
- Large, 660 mm diameter intake auger for optimal crop flow
- Reel optimised to reduce stalk take-up
- MULTIFINGER intake auger
- Quick-release mounting system allows crop dividers and rapeseed knives to be fitted/removed without tools
- Automatic parking and transport position
- Automatic operating position
VARIO cutterbars.

Use.

The new generation of VARIO cutterbars is the first choice for harvesting grain and rapeseed. It is ideally suited to deliver high performance and high area output, whether operating in low or high-yield regions. The ability to adjust the VARIO cutterbar table for grain harvesting (short or long straw varieties) and rapeseed ensures an optimal crop flow at all times and therefore results in an increase in total machine performance of up to 10%.

The wide range of models, from the VARIO 1230 to the VARIO 500, allows the LEXION, TUCANO and AVERO to use VARIO cutterbars.

Technology.

- Cutterbar table with integrated rapeseed plates
- Table position adjustable from – 100 mm to + 600 mm using the multifunction control lever
- Cutterbar table with infinitely variable overall adjustment range of 700 mm
- Knife drive shaft with automatic, telescopic function
- Continuous knife bar and continuous reel (VARIO 930 to VARIO 500)
- Front attachment mechanical drive on one side (VARIO 930 to VARIO 500)
- Intake auger and knife bar mechanically driven via gearbox and drive shaft
- Reel with optimised reel tine carriers, wear-resistant tine tube bearings and a new design to reduce risk of wrapping and stalk take-up
- Angled cross-tube for a better view of the cutterbar table from the cab
- Intake auger height is infinitely adjustable
- Feeder housing and intake auger can be reversed
- Stripper bars adjustable from the outside
- LASER PILOT for automatic guidance system can be folded and adjusted without tools

Plug & Play for rapeseed.

Thanks to the rapeseed plates integrated in the cutterbar table and the ability to fit the rapeseed knives without tools, conversion to rapeseed harvesting takes only a matter of minutes. Connecting the rapeseed knives to the hydraulic system automatically activates the hydraulic pump which drives the side knives. The connection is made easily with two flat-seal couplings.

- The hydraulic pump is switched on and off automatically
- Even with the rapeseed knives fitted, the table can still be extended or retracted by 150 mm
- A locking transport container on the attachment trailer allows the rapeseed knives to be carried securely and saves weight on the cutterbar

Use in rice.

The VARIO cutterbars are equipped ex factory – or can easily be converted with a coated feed roller and a rice harvesting system – for optimal performance in rice.
The VARIO cutterbars
VARIO 1230 and VARIO 1080.

Optimal crop flow.
The VARIO cutterbars from CLAAS are designed for the most demanding field conditions. An optimal crop flow, clean cutting and a robust design are the defining characteristics of the two largest models, the VARIO 1230 and VARIO 1080. For these working widths, CLAAS uses the principle of the divided reel and intake auger as well as a divided knife bar.

Ever since its introduction in 2009, this system has proved to be the ideal solution under all conditions for the high throughput associated with the most powerful LEXION combine harvesters. The crop flows from both halves of the cutterbar are combined at the centre of the cutterbar. The outstanding strength and ruggedness required to handle such large quantities of harvested material have made the VARIO cutterbars the benchmark for the industry.

Precise adjustment produces the best results.
An optimal crop flow starts right at the cutterbar, with the correct height setting of the intake auger being a particularly important factor. This is why height scales are provided at the adjustment points on the left and right sides and in the centre. This makes for effortless adjustment of the auger to the perfect height for every requirement.

The drive train.
Thanks to the mechanical drive via drive shafts, gears and large chains, the drive train is extremely efficient and requires little maintenance. The synchronised knife drive makes for a very smooth-running cutterbar. An overload clutch protects the entire drive train in the event of the intake auger becoming jammed. The knives are driven by gears on the left and right sides and are also protected by overload clutches.

Overload protection is also provided for the hydraulic drive of the rapeseed knives. If one of these is jammed by a foreign body, a shut-off valve protects the hydraulic system from overpressure.

PREMIUM LINE equipment.
PREMIUM LINE equipment is available for the VARIO 1230 and 1080 cutterbars. Where this is specified, the centre of the cutterbar trough in the area of the feeder housing is made of stainless steel. In addition, the AUTO CONTOUR sensor bands are made of wear-resistant material and the skids under the cutterbar table are adjustable without tools.

Following the ground.
In order to ensure that excellent cutterbar guidance is also maintained over large working widths, the VARIO 1230 and VARIO 1080 models have two additional sensors. These are located in the centre and provide the AUTO CONTOUR system with an additional signal to identify the position of the cutterbar table.
Rice harvesting with the VARIO and CERIO cutterbars.

The right equipment for a tough job.

Rice stalks are extremely tough. To achieve clean, top quality cutting results at a high rate in this hard and unforgiving material, the VARIO 930-500 and the CERIO 930-560 cutterbars can be adapted to the conditions.

Special double fingers and adjustable crop guards help ensure efficient cutting under even the most adverse conditions.

An impressive line-up.

Various cutterbar widths with matching rice components are available for the TUCANO and LEXION series. They are identical to the standard cutterbars of the corresponding models with regard to function and operation.

The high-performance VARIO cutterbars from CLAAS are also available with rice harvesting components to enable quick adjustment to changing harvesting conditions.

Hardened intake auger.

During rice harvesting operations, the machine has to cope with an excessive amount of dirt. To inhibit premature wear, the hardened intake auger has sintered edges.

The speed of the intake auger is reduced to ensure optimal feeding of the green and heavy rice plants.
MAXFLEX cutterbars.

The 1200 to 560 MAXFLEX cutterbars offer you the perfect solution for harvesting crops close to the ground. Their unique multicrop capability for grains and soybeans also results in high flexibility and makes them extremely user-friendly when harvesting a variety of different crops.

The highlights at a glance:

- 180 mm flexible knife bar
- Knife bar is suitable for soybeans and grains (multicrop capability)
- Electrohydraulic system allows flexible knife bar to be set to rigid configuration and returned to flexible mode again from the cab
- Large, 660 mm diameter intake auger for optimal crop flow
- Reel optimised, lowest risk of wrapping
- MULTIFINGER intake auger
- New type of flexible reel tines for working close to the ground
MAXFLEX cutterbars.

Use.
Legumes, such as soybeans, peas and lentils, grow in pods close to the ground. It is therefore important to cut the crops as close to the ground as possible at harvest time. In this way, every last pod gets picked up by the machine and cutterbar losses are effectively prevented.

Technology.
- 180 mm flexible knife bar
- Electrohydraulic system allows flexible knife bar to be set to rigid configuration (for use in grains) and returned to flexible mode again (soybean harvesting) via the multifunction control lever or directly on the cutterbar
- Cutting angle adjustment for different conditions via HP feeder housing and V channel
- Stripper bars adjustable from the outside
- Optional grain baffle to avoid bouncing grain loss
- Intake auger height is infinitely adjustable
- LASER PILOT for automatic guidance can be folded and adjusted without tools
- Compatibility with grain thanks to grain sensors, crop lifters and grain cutting system
- Stainless steel floor plate in central area of cutterbar table
- Automatic parking and transport position
- Automatic operating position

Optimised settings.
Adjustable skids for reliable front attachment guidance and cutting height adjustment.

Just follow the ground.
Skids with integrated AUTO CONTOUR system for perfect adaptation to ground contours across entire working width.

Reliable cutting.
For clean cutting, even under adverse conditions (e.g. moist plants, weeds), the short double fingers are open at the front.

Great versatility.
Front attachment guidance when harvesting grain can be provided by equipping the left and right sides each with a pair of AUTO CONTOUR sensors.

Grain harvesting equipment.
Short, closed double fingers make it possible to fit crop lifters.
CONVIO FLEX / CONVIO.
The new draper cutterbar.

Powerful cutterbar for all crops. Draper cutterbars for higher performance.

Draper cutterbars are used wherever low-growing and low-fruited stalk crops or difficult conditions (laid grain, volunteers) necessitate very low cutting. The flexible cutterbar table ensures optimal ground contour following, even with large widths, while the belts make for a gentle and even crop flow.
Innovative reel for the highest throughput.
New reel design.

The newly developed reel with its innovatively shaped, adjustable cam track allows the reel tines to pick up the crop before it is cut, thereby keeping front attachment losses to a minimum, especially in laid grain. In short crops in particular, the tines optimise the feeding of the crop into the cutterbar. In addition, the unique flip-over concept prevents the crop from wrapping on the reel. In this way, the crop is fed efficiently, consistently and with minimal losses onto the belts of the CONVIO cutterbar, from where it is delivered evenly into the combine harvester.

Automatic reel torque control.

Thanks to the hydraulic reel drive, the torque applied to the reel can be adjusted automatically to cope with difficult harvesting conditions, such as laid crops. An automatic height control system, which operates on the basis of the programmed pressure and sensitivity levels, prevents the tines from digging into the ground.

Automatic belt speed for the conveyor belts.

The automatic belt speed operator assistance system adjusts the speed of the belts to the harvesting speed continuously and completely automatically.

Advantages for the operator:
1. Constant, automatic adjustment of the belt speeds, especially in uneven crop stands
2. Speeds are always set correctly for an even crop flow

Reversing function for the critical elements.

Two reversing modes are available to ensure that it is possible to respond to the specific requirements of any situation: the toggle switch on the armrest reverses the reel, centre belt, intake auger and feeder housing, the button on the multifunction control lever reverses the centre and side belts while on the move.

In the event of belt slippage, the early warning system is triggered: this allows the operator to identify and intervene in critical situations at an earlier stage. Furthermore, the operator can monitor the correct load status of the belts – even in twilight or at night.
CONVIO FLEX.

Optimal support makes for productive operators. ACTIVE FLOAT for the knife bar.

CONVIO FLEX is equipped as standard with the ACTIVE FLOAT hydropneumatic suspension. This suspension system allows the ground pressure of the knife bar to be adjusted to the field conditions from the cab while on the move.

Advantages for the operator:

1. Precise cutterbar guidance close to the ground through optimal ground pressure
2. Ideal when working in conditions where the moisture level – dew in the morning or evening, for example – is rising

1 When ground irregularities (stones, ruts, mounds) are encountered, the knife bar can deflect 135 mm downward and 90 mm upward.

2 While the machine is on the move, CONVIO FLEX continuously determines if further correction of the front attachment height is necessary and makes the corresponding adjustments automatically.

Maximum flexibility for all ground contours.

CLAAS AUTO CONTOUR for optimal cutting.

Maximum reduction in operator workload with optimal cutting performance – CONVIO FLEX can be used in four different modes:

1 Grain mode.
Cutterbar table and knife bar are set to a rigid configuration.

2 Laid grain mode.
The knife bar is rigid but can be changed to flexible mode with a touch of a button while on the move. This is especially useful for avoiding crop losses when dealing with isolated laid crop areas during grain harvesting.

3 Manual flex mode.
When manual flex mode is activated, the knife bar resting on its skids but exerting no ground pressure follows the ground contours. The flexible knife bar can avoid obstacles with a 90 mm upward deflection and also follow the ground contours with a downward deflection of 135 mm. With a total flex range of 225 mm, CONVIO FLEX is therefore able to adjust to practically all ground conditions.

4 AUTO FLEX mode.
AUTO FLEX is a self-learning system which automatically optimises the height of the front attachment on the basis of the ground contours and thereby offers a number of important advantages:
- The greatest possible downward flex range is always available
- The knife bar is always maintained as close as possible to the reel
- The lowest cutting height is achieved
NEW

CONVIO FLEX / CONVIO.

Well equipped for grain harvesting.

The CONVIO cutterbars are equipped as standard with crop lifters which are particularly practical when harvesting laid crops.

Plug and Play for rapeseed harvesting.

The hydraulically powered rapeseed knives can be fitted without the use of tools in a matter of minutes. Once the rapeseed knives are fitted, the feed augers are activated automatically and the cutterbar is ready for rapeseed harvesting.

Loss-free harvesting.

As a component of the rapeseed equipment, the raised rear wall reliably prevents bouncing grain losses.

Smooth cutterbar guidance.

Hydropneumatically suspended stabiliser wheels prevent the cutterbar from rocking when operating in uneven terrain. This feature also ensures smooth cutterbar guidance at high ground speeds and enhances driving comfort.

Flawless crop flow.

For very bulky crops, such as rapeseed, feed augers are available to support the crop flow in the rear part of the cutterbar.

Made-to-measure crop dividers.

In addition to long and short grain crop dividers, special long and short soybean crop dividers are available for soybean harvesting. An optimal solution for every crop.

CONVIO FLEX / CONVIO 1230 / 1080
Folding cutterbars.

In smaller-scale settings in particular, there are many advantages associated with a compact cutterbar which can be deployed quickly and remain on the combine harvester.

The highlights at a glance:

- No additional trailer necessary
- Front attachment mechanical drive
- MULTIFINGER intake auger
- Transport width of 3.0 m
- Controls for folding mechanism by access ladder outside cab
- Full AUTO CONTOUR capability
- Very good view through folding mechanism in direction of travel
Folding cutterbars.

Use.
The folding cutterbars do away with the need to attach and detach the cutterbar. At the same time, they ensure optimal handling during travel with outstanding visibility and enable transfers from field to field with practically no interruption. During transport, too, whether on field tracks, narrow roads or in dense traffic, the folding cutterbars offer outstanding visibility and excellent transport characteristics.

Technology.
- Divided knife bar and divided reel
- Front attachment mechanical drive on one side
- Intake auger and knife bar mechanically driven via gearbox and drive shaft
- Intake auger height is infinitely adjustable

Transport.
The compact design ensures optimum visibility and excellent manoeuvrability in severely restricted spaces while taking into account the permissible transport width.

Folding.
The fully hydraulic folding function is activated at the touch of a button. The strong, sectional frame construction makes for precise actuation and ensures long-term operating reliability.

Harvesting.
The folding cutterbar is ready for action in a matter of seconds. Move the dividers into position, engage the drive shaft and you are ready to go.
The CORIO and CORIO CONSPEED maize pickers are equipped with established technologies as well as unique new features.

The highlights at a glance:
- 17° operating angle to prevent cob losses
- Straight (CORIO) and conical snapping rollers (CORIO CONSPEED)
- Robust drive train in all CORIO models
- Specially shaped hoods for gentle crop handling
- Unique folding system for hood tips reduces the length of the picker on the road by almost 80 cm
- Feeder chain is easy to change and tension
- Replaceable wear parts integrated in hoods
- CORIO CONSPEED maize picker as 12, 8 and 6-row unit
- CORIO maize picker as 8, 6, 5 and 4-row unit
- Row widths of 90, 80, 75 and 70 cm
The CORIO CONSPEED and CORIO model series are the right maize pickers for harvesting grain maize or corn cob mix. Whether working in high-yield crops or very dry maize stems, the CORIO CONSPEED and CORIO maize pickers ensure a clean, effective picking process, from the LEXION to the AVERO.

Thanks to the new folding mechanism for the hood tips, the length of the CORIO and CORIO CONSPEED models can be reduced by almost 80 cm for road transport. This makes for safe on-road travel, even when negotiating junctions and field exits where visibility is restricted.

Functional principle.

The hoods ensure that the maize stalks are fed evenly and gently into the snapping rollers. The stalks are captured by the rollers and pulled downwards. At the same time, snapping plates separate the maize cobs cleanly from the stalks.

Horizontal choppers operating at a constant speed chop up the maize stalks which have been pulled down. The intake auger then transports the maize cobs to the feeder housing.

The central elements of the CORIO CONSPEED and CORIO maize pickers are the snapping rollers which also embody the main difference between the two models.

- CORIO CONSPEED: conical snapping rollers
- CORIO: straight snapping rollers

Technology.

- Efficient, free-running drive for all CORIO CONSPEED and CORIO models
- Quick and easy speed adjustment by changing the combination of gears
- Spiral intakes on the snapping rollers improve stalk intake
- Mechanically or hydraulically adjustable snapping plates allow the cobs to be separated cleanly
- Each snapping gear unit is individually protected against overload and foreign bodies
- The drives for the snapping rollers and knives are integrated in the robust gear housing
- Available in rigid or folding versions
- AUTO PILOT and AUTO CONTOUR optionally available for all models
- The horizontal chopper captures plants along the entire length of the picker opening.

17° operating angle.

At 17° the CORIO CONSPEED and CORIO models have the flattest operating angle in the market.

- The operating angle has been reduced by approximately 10%
- Reduction in cob losses, especially those resulting from “cob jump-off”
- In laid maize in particular, the flat angle and the new hood shape help make for blockage-free operation

Top form.

The front part of the hoods has a new, unique shape.

- Even more gentle crop handling thanks to the optimised shape of the hoods
- The flanks of the hoods have been designed in such a way that maize stalk capture is delayed and takes place at a more flexible point in order to avoid cob losses
- Improved performance in laid maize

Precise chopping.

The precise chopping encourages the rotting of the crop residues and helps create a consistent seedbed for the following crop.
CORIO CONSPEED / CORIO.

Maintenance position.
A new concept for opening the hoods provides quick and easy access for maintenance or cleaning. Only a few simple steps are required to put a hood into the maintenance position without tools.

Easy handling.
The conveyor chains can be tensioned and changed easily, conveniently and quickly. Once the hoods have been put in the maintenance position, a simple assembly lever is all that is required to release a chain, tension or replace it.

Integrated wear parts.
Replaceable wear parts are integrated on the right and left sides of the hoods. When worn, the individual parts can be replaced instead of having to replace the entire hood.

New folding mechanism.
A new design allows the hoods to be folded easily into a compact transport position. As well as being easy to use, the new arrangement makes for better visibility during on-road travel as it allows the front attachment to be shortened by 80 cm.

On-road travel.
Covers and a light bar make for safe on-road travel in accordance with the relevant traffic regulations.

Snapping plate adjustment.
Depending on the model, a mechanical or hydraulic snapping plate adjustment system is fitted as standard. The hydraulic variant, which allows convenient adjustment from the operator’s seat, can also be added as an option.

Rubber cob retainer.
All models are equipped as standard with small rubber cob retainers to prevent the cobs from falling out. A large rubber cob retainer is available as an option to enable loss-free harvesting in tall crops too. Fitting and removal can be performed by means of a quick mounting system on each hood.

Sunflower kit.
Simply turning round the feeder chain is all that is required to switch over quickly for sunflower harvesting. In addition, rigid knives are fitted on the snapping plates along with side hood extensions and a raised rear wall panel.
Conical – CORIO CONSPEED.

- Conical snapping rollers
- Hybrid or standard snapping rollers available
- Four bolt-on knives are fitted on the front section of each hybrid snapping roller
- Tungsten-carbide coating ensures high wear resistance
- Horizontal chopper can be switched off

Recommended uses.

Depending on the region and climate, the maturity of the maize plants varies at the time of harvest. CLAAS therefore offers a range of snapping rollers in order to enable the best possible picking performance.

1. With a uniform profile.
   This roller shape is particularly suited to dry conditions. The profiles of the two rollers engage and the plants are pulled downwards very gently. In dry conditions, in particular, this arrangement prevents early detachment of the plants.

2. Hybrid snapping rollers.
   The special snapping rollers are particularly suited to green crops. Four knives, which aggressively pull the thick stalk sections downwards, are bolted to the front end of each hybrid snapping roller. The rear end of the hybrid snapping rollers has the standard profile.

3. Straight – CORIO.
   The straight snapping rollers can be used universally. The throughput speed of the maize stalks remains constant during picking.

Operating principle of conical rollers.

The key characteristic of the conical snapping rollers is that the speed with which each maize plant is pulled through the rollers increases as the diameter of the roller increases. In this way, even at higher ground speeds, the plant is drawn in gently at first and then more quickly. This means that it is possible to avoid cob losses as well as unnecessary plant residues in the machine resulting from the plants being broken off.

How you benefit.

- Top chop quality thanks to the low throughput speed at the lower end of the maize stalk
- Avoidance of cob losses and damage through breakage thanks to the gradual increase in throughput speed
- Fewer straws and plant residues in the machine mean higher throughput and, therefore, make it possible to attain a higher ground speed
The SUNSPEED sunflower cutterbars impress with their unique picking concept, very high output per unit area with the lowest losses and ease of operation.

The highlights at a glance:

- SUNSPEED sunflower front attachment available as 16, 12 and 8-row units
- Harvests flower heads exclusively - stalk-free picking concept
- The height and speed of the reel can be synchronised to the ground speed conveniently from the cab
- Adjustable guide plates keep the stalks securely in position
- The gap between the shuttles can be adjusted to the stalk thickness
- The shuttles can be adjusted for tilt
Use.

The SUNSPEED sunflower cutterbar is the optimal solution for sunflower harvesting. The unique functional principle enables a significant reduction in both the load on the threshing system and the degree of cleaning required to remove non-grain constituents.

Its high degree of versatility with regard to different row widths and stalk thicknesses makes the SUNSPEED the universal front attachment for sunflowers.

Technology.

- Knife drive features a low-maintenance oil-bath transmission
- High cutting frequency of 1200 strokes per minute
- Snapping roller and intake auger are driven by chains and belts
- Shuttle width adjustable by up to 20 mm
- Shutters up to 1800 mm long for even stalk guidance
- Adjustable circumferential reel speed
- Adjustable intake auger speed
- Automatic adjustment of reel speed based on ground speed

Functional principle.

Once the sunflowers are collected by the shuttles, the adjustable guide plate ensures that the flower heads are pushed forwards. At the same time, the snapping roller below the knife bar pushes the stalks downwards. In this way, the guide plate and snapping roller prevent the stalks from being cut too soon.

The cut is not performed until the sunflower heads are captured by the reel. As a result, only the flower heads reach the intake auger which finally delivers them to the feeder housing.

This unique functional principle makes for:
- Lower fuel consumption
- Increased threshing and cleaning performance
- Low wear of all components
The SWATH UP is the front attachment for clean and reliable swath pick-up.

The highlights at a glance:
- Universal front attachment for different crop types
- Pick-up belts for consistent swath pick-up
- Effective avoidance of stone pick-up thanks to castor guide wheels
- Loss-free crop pick-up
- Working speed is automatically controlled via ground speed
SWATH UP demonstrates its abilities in areas which are unsuited to direct threshing - and it does so under all imaginable conditions. It enables the pick-up of nearly all windrowed crops, especially crops such as rice, rapeseed and grass seed, and provides yet another demonstration of the exceptional efficiency of CLAAS front attachments.

Use.

The pick-up fingers on the front belt module make for the clean and loss-free collection of the harvested crop. The crop is transferred to the rear belt unit which conveys it to the feed roller. Guide blocks and guide rollers ensure that the belt modules are positioned and tensioned precisely if unevenly loaded, thereby avoiding losses. The feed roller makes for a clean transition to the feeder housing.

Functional principle.

Technology.

- Four wide, interlinked pick-up belts form the front belt unit (with pick-up fingers)
- Four wide, interlinked transfer belts form the rear belt unit
- Driven via chains and belts
- Pick-ups controlled by a bevel gear
- Speed of intake units can be adjusted continuously from inside the cab
- The working speed is controlled automatically via the ground speed
- Rake unit is suspended (coil springs and gas-filled spring struts)
- Working depth can be set by castor guide wheels
- Seals between pick-up belts and frame prevent leakage losses

Crop guard.

The crop guard ensures efficient crop flow. It can be adjusted hydraulically for height and is therefore able to adapt optimally to the most diverse conditions. Furthermore, the distance to the rake unit is adjustable.

Castor guide wheels.

The two castor guide wheels at left and right not only limit the depth but also ensure that the tines do not pick up any stones.
Standard feeder housing.
The universal feeder housing is compatible with all crops, avoiding unproductive changeover time. A shallow intake angle to the threshing parts facilitates optimal crop flow. Rugged feeder chains with feeder slats ensure high stability while a replaceable wear plate guarantees long service life.

V channel feeder housing.
With the flexible positioning of the cutterbar mount, the V feeder housing facilitates fast, easy adjustment of the cutting angle. This ensures optimal adaptation to all field conditions and different types of tyres.

The feeder housing can be equipped with an additional middle support roller. Greater support of the feeder slats in the guide roller increases stability and optimises the guidance of the chain. In addition, an enclosed guide roller is available for use in dry and low-straw conditions.

Dust extraction at the feeder housing prevents dust from being stirred up immediately in front of the cab in very dry conditions.

HP feeder housing.
The HP (header pitch) feeder housing allows manual or hydraulic adjustment of the cutting angle to adapt to all field conditions. From the central position the cutting angle can be moved 8° back and 11° forward.

MONTANA feeder housing.
Control of the pivoting frame of the feeder housing as well as the cutting angle is based on the axle position of the LEXION MONTANA.

Front attachment interface.
Thanks to their standard interface, CLAAS front attachments can be fitted to LEXION, TUCANO and AVERO machines and are therefore available in all power categories. What’s more, they have a whole series of functions and helpful features which allow them to meet even specialised requirements and so offer you outstanding flexibility. Benefit from the unique combination of high-value performance and equipment features.

MultiCoupler.
The central connection coupling for all the hydraulic and electronic connections to the cutterbar.

- You gain valuable time due to shorter attachment and removal procedures
- Integrated design means there is no danger of confusion
- Easy to connect, even under pressure
- Environmentally friendly with no oil leakage

Central locking system.
A single lever on the left side of the cutterbar operates all locks simultaneously.

Hydraulic reverse.
Blockages are taken care of easily: the hydraulic system (2) enables protective reversing with high starting torque. The hydraulic reverse can be actuated conveniently with a toggle switch in the cab. The direction of rotation of the hydraulic reel drive also changes automatically, providing additional support for the reversing procedure.
Automatic front attachment guidance.

In order to ensure optimum following of the ground contours, CLAAS front attachments are equipped with the CONTOUR, AUTO CONTOUR and MULTI CONTOUR automatic front attachment guidance systems for ideal results at all times.

**CONTOUR.**

The cutterbar with CONTOUR adjusts automatically to ground irregularities along the direction of travel.

- **CONTOUR** = automatic longitudinal adjustment of the front attachment
- The required cutting height can be set via CEBIS
- The active cutting height is controlled by CONTOUR
- Longitudinal control can be overridden by the operator at any time

**AUTO CONTOUR.**

AUTO CONTOUR goes one step further and also enables automatic compensation for surface irregularities across the direction of travel.

- **AUTO CONTOUR** = automatic transverse and longitudinal control of the front attachment
- The required cutting height can be set via CEBIS
- The active cutting height is controlled by AUTO CONTOUR
- Transverse and longitudinal control can be overridden by the operator at any time

**MULTI CONTOUR.**

MULTI CONTOUR enables not only automatic control of the transverse and longitudinal tilt, but also automatic adjustment of the front attachment cutting angle.

- **MULTI CONTOUR** includes AUTO CONTOUR (transverse and longitudinal tilt control)
- The required cutting angle can be set via CEBIS
- The cutting angle is controlled by MULTI CONTOUR
- The cutting angle as well as the transverse and longitudinal tilt can be overridden by the operator at any time

**How you benefit.**

- Valve-controlled, nitrogen-filled accumulators ensure optimal shock absorption with front attachments of different weights
- Improved front attachment guidance, especially when operating with wide working widths
- Easier front attachment guidance in laid crops, in darkness and in sloping terrain
- Significant reduction in workload for the operator, enabling greater concentration on threshing
Convenient front attachment features.

Automated reel control.
- Circumferential reel speed is adjusted automatically in proportion to the ground speed
- Infinitely variable adjustment and storage of reel speed (between forward, synchronous and after-running settings) relative to the ground speed in CEBIS
- Speed settings can be stored in CEBIS
- Hydraulic overload protection prevents damage

VARIO automation.
- VARIO automation can be switched on or off in CEBIS
- The table length and reel level are then activated or deactivated together

How you benefit.
- Reduction in operator workload through automatic application of multiple settings
- Optimal adaptation to conditions by means of up to four combinations of settings – for changing crop conditions (such as laid crops/standing crops) or headland operation and edge mowing – which can be saved separately
- Can be overridden by the operator at any time

Automatic parking and transport mode.
- Pressing the cutting height adjustment button causes the cutterbar to move automatically into position for stowage on the trailer
- Table moves to 0 mm position (without rapeseed knives)
- Table moves to 450 mm position (with rapeseed knives)
- Reel moves all the way down and to the rear
- In the case of MAXFLEX cutters, the knife bar is set to a rigid configuration electrohydraulically (grain harvesting)
- Activation procedure, which takes place with the threshing unit switched off, varies depending on speed:
  - Above 2 km/h: cutting height adjustment button is pressed once
  - Below 2 km/h: AUTO CONTOUR button is held down

Automatic operating position.
- Pressing the cutting height preselection button causes the cutterbar to move to the last operating position automatically
- Table moves to last operating position
- Reel moves to last operating position
- In the case of MAXFLEX cutters, the knife bar is released (no longer set to rigid configuration) electrohydraulically (soybean harvesting)
- Activation procedure varies depending on speed:
  - Above 2 km/h: cutting height adjustment button is pressed once
  - Below 2 km/h: cutting height adjustment button is held down
- Reel moves to last operating position
- Table moves to last operating position

How you benefit.
- Transport and operating positions are reached quickly and easily
- No need to take account of mechanism dependencies

The operator in the cab has a perfect view of the position indicator for the cutterbar tray.

The CMOTION multifunction control lever is used to adjust the VARIO cutterbar table, the MAXFLEX knife bar and the MAXFLO conveyor belt speed.

The CMOTION multifunction control lever is used to adjust reel parameters (reel height, reel level) and the snapping plate distance of the maize picker.
Growing demand for ever greater precision.

The CLAAS front attachments can be equipped with two different automatic guidance systems which can be selected as needed, depending on the job in hand.

LASER PILOT – the electro-optical guidance system
AUTO PILOT – the electro-mechanical guidance system

You can also choose between the combine’s GPS PILOT or GPS PILOT FLEX for your automatic guidance system.

LASER PILOT.

The electro-optical sensors of the LASER PILOT use pulses of light to scan between the crop and stubble and guide the combine harvester automatically along the edge.

The LASER PILOT can be folded away for transport and, depending on the combine model, is available for both the left and right side of the cutterbar. Its optimal positioning on the cutterbar side close to the crop edge enables a good viewing angle and ensures high functional reliability even when working with laid crops, in dusty conditions, on slopes or at night.

How you benefit.

− The LASER PILOT bracket can be adjusted with the panel key without needing tools
− Easily configured via the LED display
− Can be deployed and retracted without the use of tools
− Available for the left and right side of the cutterbar
− High functional reliability, even when operating in laid crops, in sloping terrain or in the dark
− Reduction in workload for the operator, enabling greater concentration on threshing
− Greater precision for mapping areas and yields
− Optimal use is made of the full width of the cutterbar
− Increased seasonal performance

AUTO PILOT.

Two digital sensors incorporated in one of the snapping units detect the position of the combine and automatically guide it through the rows of maize to ensure it is in the optimal position in the crop. In this way, AUTO PILOT contributes to greater performance and increased efficiency.

How you benefit.

− High functional reliability and safety regardless of visibility conditions
− Optimal use of the full width of the cutterbar
− Increased seasonal performance
− Significant reduction in workload for the operator, enabling greater concentration on threshing
Front attachment trailers.

Whether operating on roads or farm or field tracks, front attachment trailers from CLAAS enable fast, easy transfers, even between distant fields.

The highlights at a glance:
- Front attachment trailers available ex-factory
- Transport speed of up to 40 km/h
- Integrated transport container
- Twin-axle front attachment trailer with steering rear axle
- Excellent self-steering characteristics when cornering
- High directional stability
- Available in braked or unbraked versions for 25 km/h or 40 km/h
- The floating front axle can adapt optimally to uneven ground
- Special supports can be fitted to the trailers to allow SUNSPEED, CORIO CONSPEED and CORIO front attachments to be transported without any difficulty
- A cuttbar equipped with rapeseed knives can be placed on the trailer without any difficulty
- The following options are also available ex-factory:
  - Marker lights
  - Height-adjustable drawbar

Single-axle front attachment trailer.

The single-axle transport trailers are available for the 770 to 370 front attachments.
- Available in braked or unbraked versions for 25 km/h or 40 km/h
- A cuttbar equipped with rapeseed knives can be placed on the trailer without any difficulty

The following options are also available ex-factory:
- Marker lights
- Height-adjustable drawbar

Twin-axle front attachment trailer.

The twin-axle front attachment trailers are available for the 1230 to 770 front attachments.
- Available in braked or unbraked versions for 25 km/h or 40 km/h
- Special supports can be fitted to the trailers to allow SUNSPEED, CORIO CONSPEED and CORIO front attachments to be transported without any difficulty
- A cuttbar equipped with rapeseed knives can be placed on the trailer without any difficulty

The following options are also available ex-factory:
- Marker lights
- Spar wheel
- Rotating beacon
- LED lights
- Marker lights
- Short or long drawbar

Transport container.

A locking transport container on all attachment trailers allows the rapeseed knives to be carried securely.
Front attachment matrix.

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| TERRA TRAC only |
|-----------------|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

<table>
<thead>
<tr>
<th>Recommended</th>
<th>Not recommended</th>
</tr>
</thead>
</table>

Please note that these recommendations are not valid for all regions. The regional road traffic regulations must be observed. The front attachment matrix may vary as a result of differing climatic conditions or cultivation methods.

The availability of individual combine harvester models depends on the applicable emissions standard for the country concerned and can therefore vary subject to national regulation.
### How you benefit.

**Standard cutterbars.**
- Flexible knife bar, can be set to rigid configuration
- Suitable for rice
- Plug & Play for rapeseed equipment
- 10% more output thanks to MAXFLEX.
- Simple adaptability to different crop types

**CERIO.**
- Extremely flat approach angle for minimal crop losses
- Optimal swath pick-up characteristics
- Automatic reel height
- Automatic reel levelling
- Automatic reel speed control
- Raised rear wall
- Automatic cutterbar control
- LASER PILOT
- Drive on both sides
- Automatic belt speed
- Shuttle width
- Additional feed augers

**CONVIO FLEX / CONVIO.**
- AUTOMATIC BELT SPEED
- MUL TIFINGER intake auger
- DRIVE ON ONE SIDE
- DRIVE ON BOTH SIDES
- Additional feed augers
- No additional trailer necessary
- Transport width of 3.0 m
- Full AUTO CONTOUR concept
- CONVIO FLEX with 225 mm flex range
- Extremely flat approach angle for minimal crop losses
- How you benefit.

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>16-row (75 cm)</th>
<th>12-row (75 cm)</th>
<th>12-row (70 cm)</th>
<th>8-row (75 cm)</th>
<th>8-row (70 cm)</th>
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</thead>
<tbody>
<tr>
<td>Mower type</td>
<td>Standing</td>
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<td>Number of rows</td>
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<td>12</td>
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<tr>
<td>Shuttle width (mm)</td>
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<td>337</td>
<td>311</td>
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<td>Shuttle gap adjustment range (mm)</td>
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<td>30-50</td>
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<tr>
<td>Weight (kg)</td>
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<td>3395</td>
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<tr>
<td>Max. effective cutting width (mm)</td>
<td>12260</td>
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<td>12270</td>
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<td>Min. effective cutting width (mm)</td>
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<tr>
<td>Drive on one side</td>
<td>–</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Drive on both sides</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<tr>
<td>Weight (kg)</td>
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<td>2820</td>
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<td>Number of pick-up fingers</td>
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<td>Replacement knife</td>
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<tr>
<td>Effective pick-up width (ft)</td>
<td>14.84</td>
<td>15.25</td>
<td>15.62</td>
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<td>Effective cutting width (ft)</td>
<td>40.00</td>
<td>35.00</td>
<td>30.25</td>
<td>25.25</td>
<td>20.25</td>
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</tbody>
</table>

### Features

- Standard cutterbars
- Foldable cutterbars
- For COMFORT-BUSINESS

### CONTOUR

- Standard cutterbars on a central reel and auger adjustment range of 300 mm
- Simple adjustment on MOWO cutterbar
- Quick bearings

### VPNP

- Standard cutterbar in one of an extremely variable central adjustment range of 170 mm
- 12% more throughput thanks to adaptable feed control
- Fold & Pin for transport
- Electrically adjustable integrated reaper table

### MOWO

- Optimal adaptation to ground contours for easier cleaning in the ground
- 760 mm fore-and-aft in the bar, can be set to automatic regulation (Hydroflow) for reproducible and great

### CONTOUR PLUS / CONTOUR

- Optimal every-flow thanks to AUTOMATIC BELT SPEED
- Containeroller, especially for harvesting years
- swing augers, grain e.g.
- CONTOUR PLUS with 225 mm flex range
- Battery fast approach or gap for correct crop losses

### Folding cutters

- For all cutters on a central reel and auger adjustment range of 170 mm
- Simple alignment on MOWO cutterbar
- Quick bearings

### CONVIO COMPACT / CONVIO

- Flexible pick-up concept with CONVIO COMPACT and CONVIO FLEX and CONVIO
- Large working widths from 12 to 13 m reel sets
- Reel widths of 50, 35 and 25 cm
- Surface level cutterbar

### BUSINESS

- Universal front loader head, easily foldable pick-up arm
- Large working widths from 12 to 13 m reel sets

### INNOVATION

- Optional small pick-up characteristics
- Universal front loader head for different crop types
- Energy-efficient motor concept

### Equipment

- Automatic reel control via MOWO automation
- Automatic reel height guide via CONTINUAL AUTO CONTOUR and MOWO COMPACT
- Automatic reel adjustment
- Automatic reel height
- Automatic guidance system
- Automatic parking and transport mode
- Automatic operating position

### Accessories

- Drive on one side
- Drive on both sides
- Automatic belt speed
- Shuttle width
- Additional feed augers
- No additional trailer necessary
- Transport width of 3.0 m
- Full AUTO CONTOUR concept
- CONVIO FLEX with 225 mm flex range
- Extremely flat approach angle for minimal crop losses
- How you benefit.

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<table>
<thead>
<tr>
<th>Field attachment</th>
<th>12-row</th>
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<th>8-row</th>
<th>8-row</th>
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<tr>
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<td>Transport position - folding</td>
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<td>Horizontal chopper</td>
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<td>2150</td>
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</tr>
</tbody>
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1 For DOMINATOR 130 only

2 Suitable for LEXION 760 / 750 and 630 MONTANA, not suitable for LEXION 670 MONTANA

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Ensuring a better harvest.