Swathers

LINER

LINER.

GRASS CARE.
For more milk per hectare.

Flawless ground-contour following to keep your grass sward intact.

Maximum raking performance for fast work and a clean field.

Ground-contour following. Raking performance. Forage quality.

Because your forage quality is our number one priority too and we know that your time is limited, we take care to protect your resources.

We make sure that your grass sward remains intact, your field is quickly cleared and your livestock are healthy and productive.

How do we manage that? Through intelligent engineering and perfectly coordinated machine components, customised to suit your needs.

So why us? Because despite our decades of experience, we never rest on our laurels – we listen to you and turn your wishes into the machine you always wanted.

Optimal forage quality for healthy, productive livestock.

“Clean forage for more milk. Around 1% less crude ash brings an extra 0.1 MJ NEL/kg DM on average!”

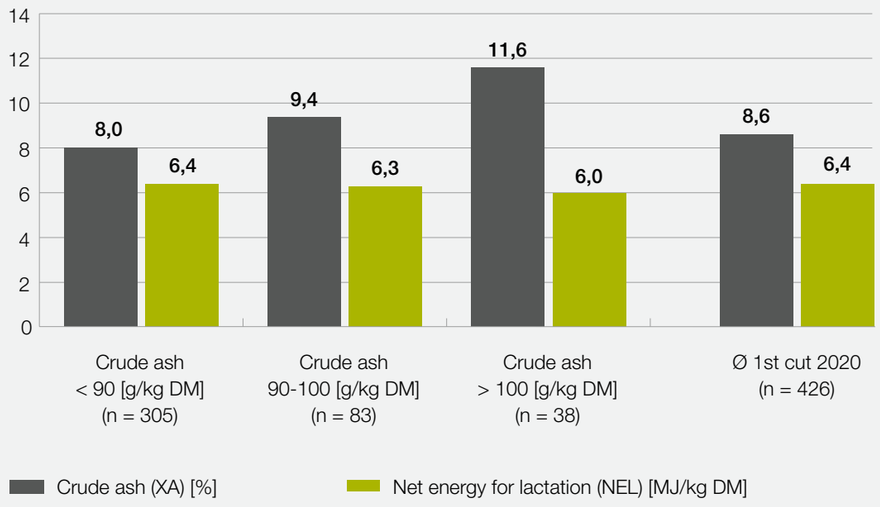
The crude ash content in silage is the total amount of minerals from the crop and from soil contamination present in the forage. Along with crude protein, crude ash has a buffering effect on acidification during the ensiling process. High levels of contamination thus lead to higher energy losses and lower protein quality, thereby increasing the risk of butyric acid fermentation.

Evaluation of the first cut of 2020 from Baden-Württemberg shows a positive correlation between high-quality grass silage and low-contamination harvesting (see table). In addition to good crop husbandry and selecting the right time to harvest, the use of harvesting machinery and equipment with good ground-contour following thus makes a major contribution to producing high-quality silage.

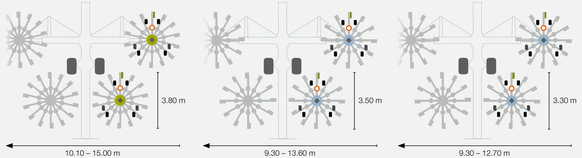
Annette Jilg knows just how important a low crude ash content is for high feed quality

Grassland Management and Forage Conservation section of the Baden-Württemberg Agricultural Centre for Cattle, Grassland Management, Dairy, Game and Fisheries (LAZBW) in Aulendorf

First cut 2020 in Baden-Württemberg (Germany) broken down by crude ash category (n = 426)



The ultimate professional – the four-rotor swather.



Tines

- Silage tines 9.50 mm
- Standard tines 9.00 mm

Tine arm attachment

- PROFIX / 20-spl. shaft
- PROFIX / lemon profile
- Linch pin / lemon profile
- Tensioning pins / fixed connection

Rotor drive assembly

- 14-arm rotor drive assembly (permanently lubricated), with triple bearing
- 12-arm rotor drive assembly (permanently lubricated), with double bearing
- 11-arm rotor drive assembly (permanently lubricated)
- Fully floating 3D rotor suspension

Chassis

Four- or six-wheel rotor chassis, depending on the model:

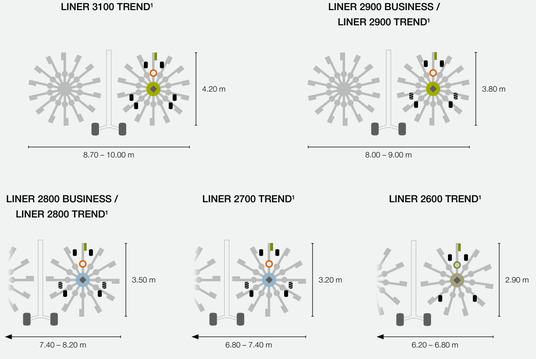
- standard
- optional

1 BUSINESS / TREND = variants
2 TWIN = for double swathing
3 T = trailed
V. = connection (in German)
V-v. = splined shaft (in German)

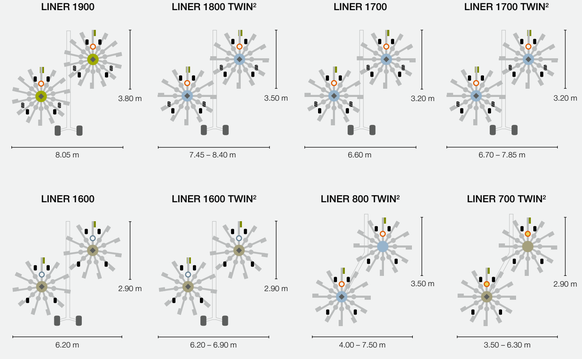
Width

Rotor diameter
Working width

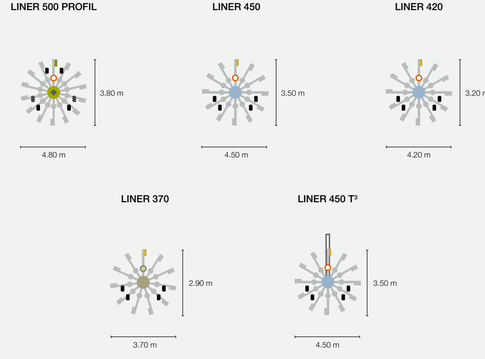
The classic choice – the dual-rotor swather with central swathing.



The all-rounder – the dual-rotor swather with side swathing.



The compact one – the single-rotor swather.



For the best results: swather know-how from CLAAS.

A clean sweep.

It goes without saying that our customers want only the best machines. CLAAS engineers work day in, day out to meet these expectations. No other swather gives your field such a clean sweep – to give you the best forage quality.

The forage harvesting centre of excellence.

The forage harvesting product development centre at the CLAAS plant in Bad Saulgau is one of the most modern and advanced facilities of its kind in the world. And since it is located right in the heart of Europe's largest continuous grassland region, CLAAS employees have a very good understanding of what needs to be done.

The best for the future, built on the best of the past.

Our customers are looking for versatile solutions that match their specific needs. As farms keep growing and changing, we keep pace by continuously developing our products. We retain the best of our existing technology, and keep improving everything else.

Team player in the harvest chain.

Conditions keep changing – as do people and harvesting processes. Continuous change places complex demands on machinery and equipment, which we meet with a powerful team of forage harvesting machines. One of over 20 LINER models will make an ideal member of your team.

CLAAS Saulgau GmbH is the company's forage harvesting centre of excellence, with one of the most modern product development facilities anywhere in the world.

Maintenance-free reliability: the core component of the LINER is the cam track running in an oil bath.

Convenient tine arm attachment and removal: the patented PROFIX tine arm attachment system with splined shaft.

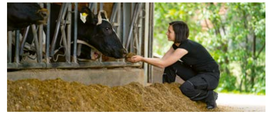
Optimum protection: in the event of a collision, the tine arms deflect in a controlled manner at a defined point.

Clean pick-up: that's what our silage tines have been doing for over 20 years – always "clean and clear", whatever the conditions.

Fully floating 3D rotor suspension ensures that the rotors follow the ground contours independently of the tractor.

Jet effect: during lifting and lowering the rotor behaves like a plane taking off and landing.

Perfect tine guidance, with the rotor chassis positioned as close as possible to the rotating tines.

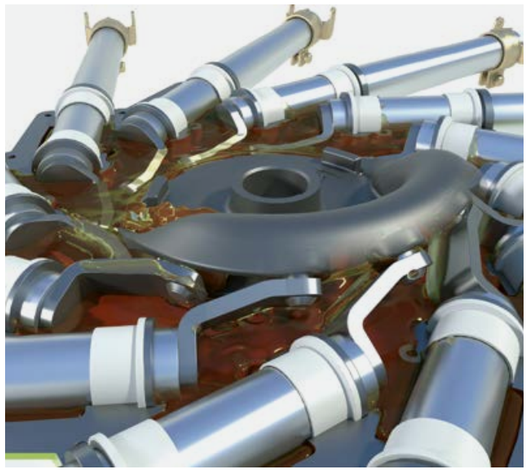


GRASS CARE: flawless ground-contour following, maximum raking performance and optimal forage quality for healthy, productive livestock.

LINER logic.
Everything revolves around top forage quality.

Continuously lubricated rotor drive assembly for professionals.

The swathing transmission is located in a rugged cast housing (rotor drive assembly) which is filled with oil and hermetically sealed. So the core component of the LINER is protected from dirt ingress and thus maintenance-free. The cam roller bearings and all moving parts run smoothly in an oil bath, with virtually no friction. This provides optimum lubrication for maximum service life. Depending on the number of tine arms, they can be mounted on up to three bearings.



The CLAAS spheroidal graphite iron cam track.

High performance under all conditions – its spheroidal graphite iron construction gives the cam track the strength required to withstand any load. The large diameter and gentle rise of the cam roller bearings minimise the thrust forces from the turning momentum. As a result, the tine arms operate smoothly, giving a clean raking action without material fatigue, even during periods of prolonged use.

Drive and maintenance.

The drive train of the LINER is externally mounted and easily accessible. An auxiliary gearbox with an intelligent gear ratio transfers power to the rotors. This guarantees optimal rotational speed and minimum fuel consumption. Depending on the model, an overrun function as standard and the individual rotor lock ensure maximum reliability. The LINER is an incredibly low-maintenance machine, with a 250-hour lubrication interval for the universal joints of the drive shafts, and a 50-hour interval for the tractor drive shaft.

PROFIX tine arm attachment system.

In the event of a collision, the tine arms deflect at a predefined bending point to provide optimum protection for the rotor drive assembly. The bent tine arms can then be replaced.

The patented PROFIX fastening bracket makes it very easy to change the arms. The 20-spline shaft on the tine arms ensures a perfect fit with zero play, while arrows indicate the optimal plug-in position.

JET effect.

During lifting, the front section of the rotor is raised first and during lowering, the rear chassis wheels touch down before the front wheels. This prevents the tines from digging into the soil and keeps the harvested crop clean.

A tidy job – thanks to sturdy silage tines.

CLAAS has been using the double-angled silage tine for over 20 years. The specially shaped 9.50 mm thick tines are bent at an angle of 10° at the end to ensure a clean pick-up – they gather up the forage gently and without contamination.

The Big Four.
You can count on us.

Four-rotor swathers.

The LINER four-rotor swathers form the perfect swath for the harvesting machine following behind, whether it's a forage wagon, baler of forage harvester – thanks to their power, performance and reliability.

LINER 4900 BUSINESS	10.10 – 15.00 m
LINER 4800 BUSINESS / TREND	9.30 – 13.60 m
LINER 4700 BUSINESS / TREND	9.30 – 12.70 m

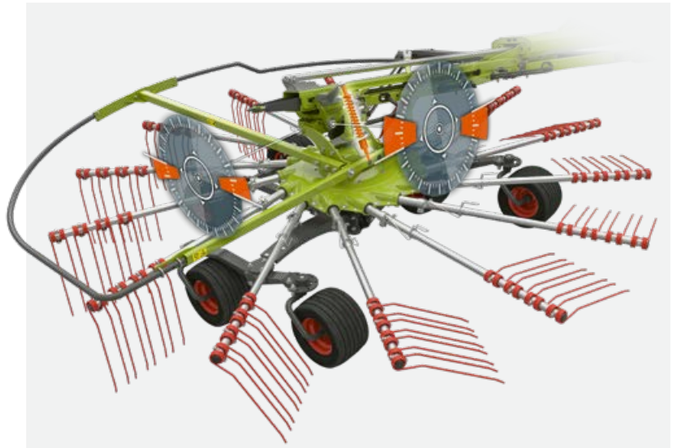
Four rotors for a thick swath.
With over 20 years' experience.

Consistent speed – for smooth crop flow.

The LINER allows you to exploit the full capacity of your harvesting chain. Consistently high speeds on all four rotors ensure that the crop is transferred tidily from one rotor to the next. At the same time, the maximum working width guarantees a generous overlap. So the LINER leaves a perfectly uniform, clean swath – to the delight of the forage harvester operator, who can take full advantage of their machine's performance.

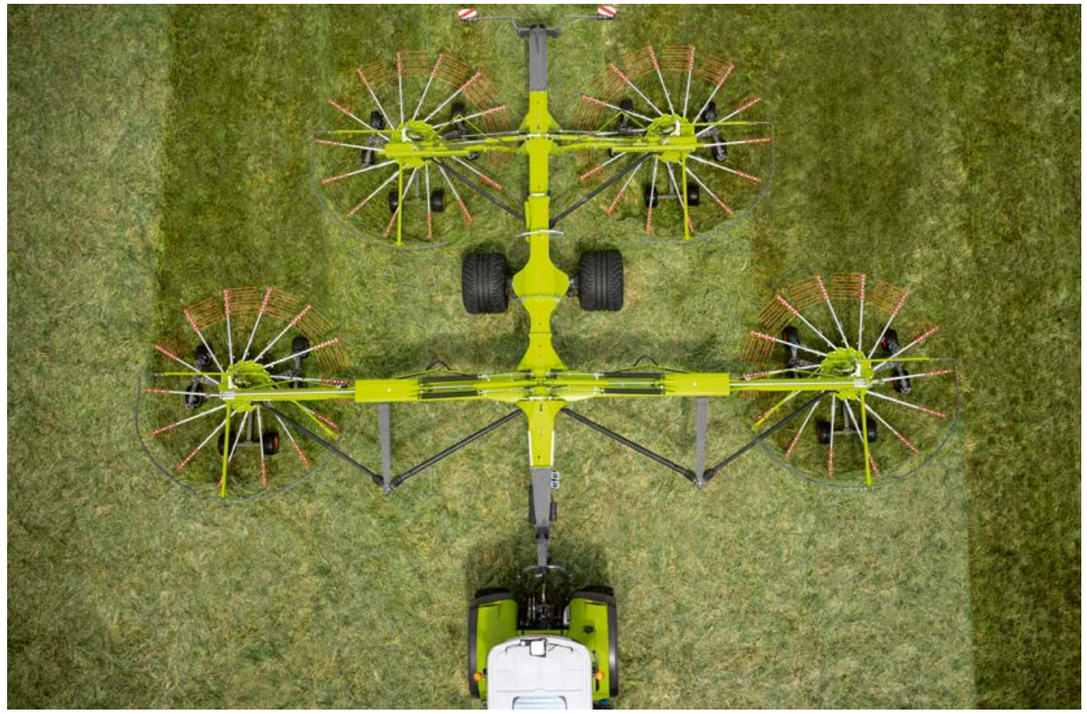
Follows every move.

The LINER is your partner of choice if you want top forage quality. The 3D rotor suspension has a double swivel joint to ensure ample rotational movement. This enables the rotors to respond quickly and flexibly to uneven ground. The patented spring acts as a shock absorber to ensure smooth movements. The interaction of these two components means that you can count on good ground-contour following even at high working speeds.



Adapts to the ground.

The wheels of the rotor chassis are positioned as close as possible to the tine path. As a result, the distance between the tine tips and the ground remains constant to protect your sward. The effect is amplified by the asymmetric configuration of the chassis which extends the wheel base.



Widest range of tyres on the market – take your pick.

We offer wide tyres specifically for damp or boggy regions. The two mid-range versions have a wear-resistant profile and good stability on slopes. But you can also opt for a simpler tyre for drier areas with no special requirements. With the LINER, you're sure to be perfectly equipped for your conditions.

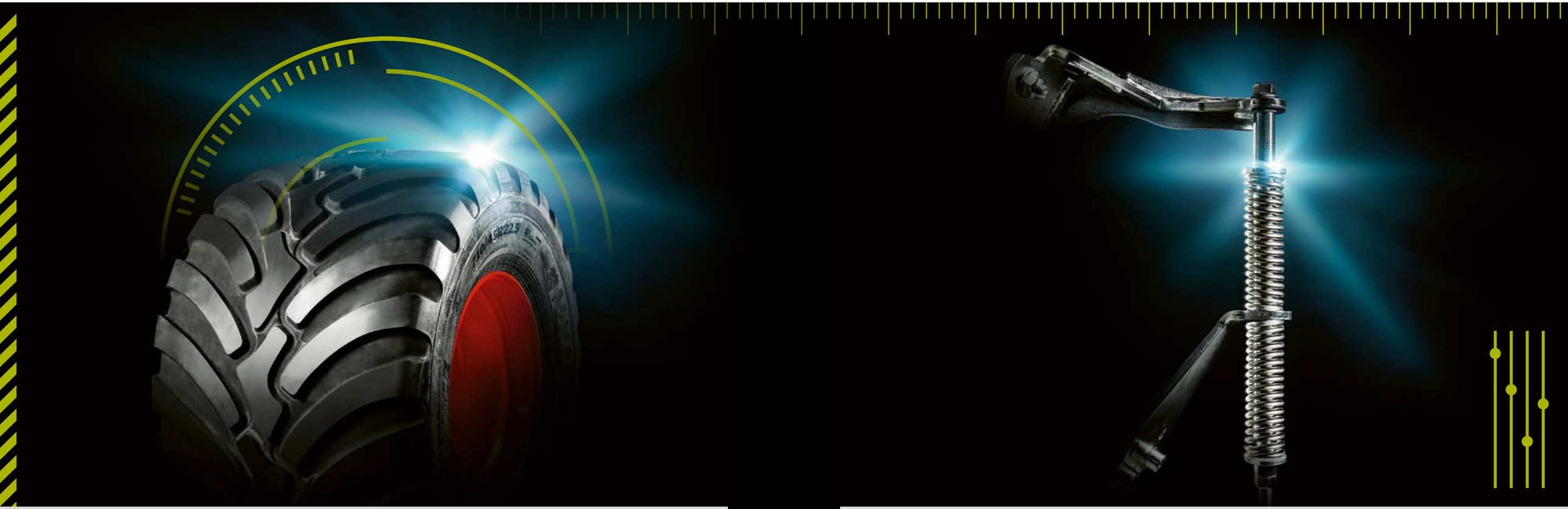
Type		LINER 4900	LINER 4800	LINER 4700
Variants		BUSINESS	BUSINESS / TREND	BUSINESS / TREND
Working width	m	10.10 – 15.00	9.30 – 13.60	9.30 – 12.70
Rotor diameter	m	3.80	3.50	3.30
Tine arms per rotor		14	12	12
PROFIX		●	●	●

500/55-20

600/50-R 22.5

710/45-R 22.5

Quality.
For clean forage and a tidy job.



"The soil is our capital. No other swather currently on the market has such a large contact area, which makes it very gentle on the soil."

Markus Pfender, operator for Krumm contractors

Wide tyres.

In addition to large-volume main frame tyres, the LINER four-rotor swathers can be fitted with the optional six-wheel chassis for all four rotors, which is also available with wide tyres. This increases the foot print by up to 75% compared with the predecessor model.

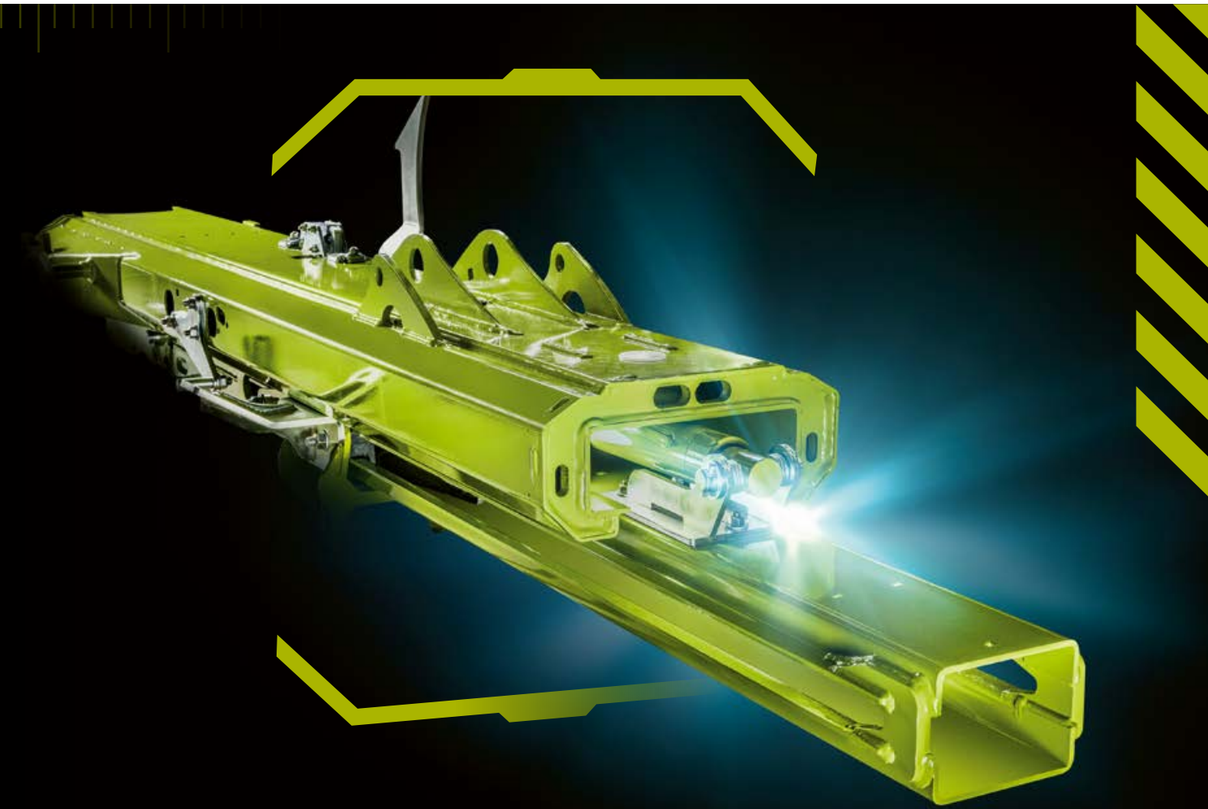
Patented fully floating 3D rotor suspension.

Dual springs on all four rotors ensure perfectly smooth rotational movements. Combined with the suspension, this means that only 20% of the weight is applied to the front tyres of the rotor chassis – enabling optimum ground-contour following by the rotors.

"Patented dual springs steady the rotors at high ground speeds. I am really delighted at how smoothly the LINER moves."

Matthias Buck, pre-series customer

Efficiency.
Thanks to effective, well-conceived solutions.



"Keep going when others have come to a standstill. 50% more power available to the tines than the hydraulic drive."

Raphael Spieler, LINER test engineer

High-torque drive.

The rotor must be reliable, so we have purposefully chosen a mechanical drive. Numerous tests have shown that this is the most efficient solution – it does a superb job, even handling the enormous quantities of forage you get in the UK, for example.

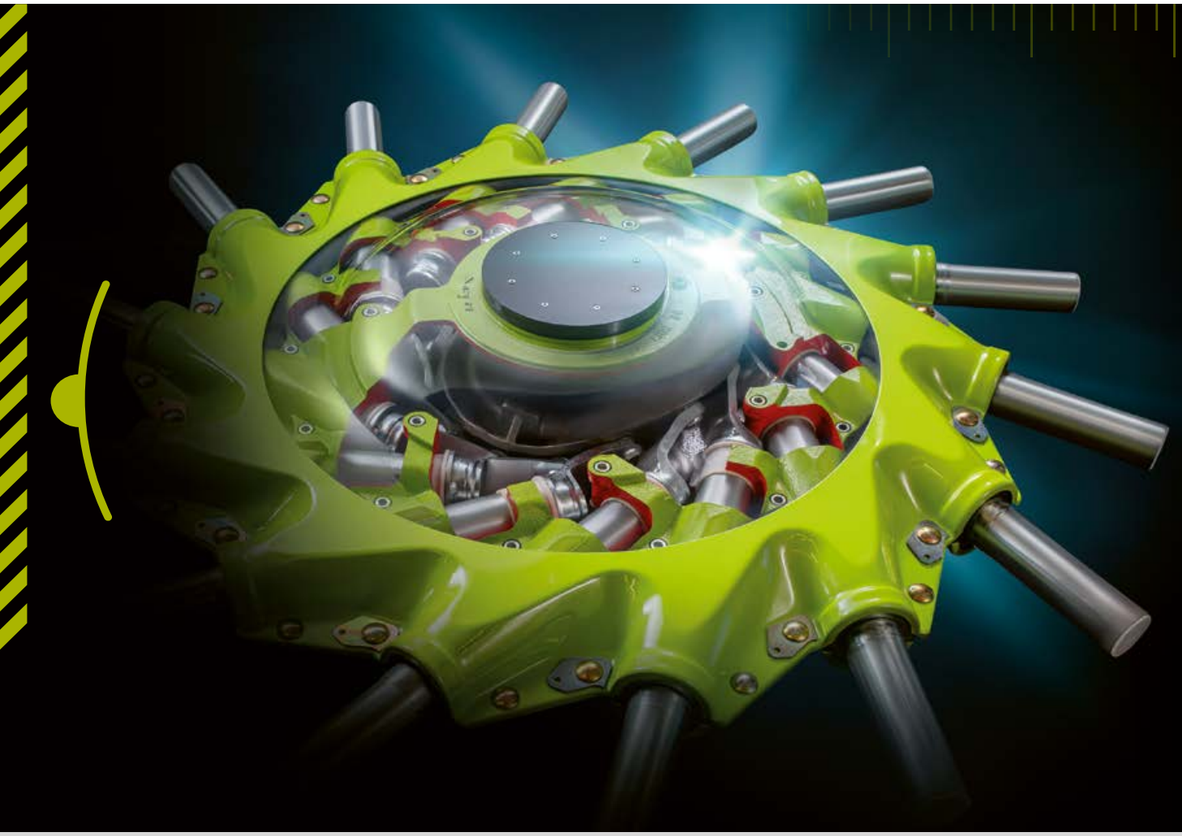
Patented telescopic arm.

From a working width of up to 15 m to a transport width of just 3 m and a height of less than 4 m – no sooner said than done with the LINER four-rotor swather. It's all down to the unique design of the front arm which features a patented double telescoping function with C-profile. It also allows for rapid adjustment of the working width.

"Despite its 15 m width, it can make itself really narrow. And that's with the tine arms left in place!"

Clemens Frick, LINER design engineer

Reliability.
It's in our machines' DNA.



"The rotor drive assembly runs in an oil bath. This means that the most highly stressed component is continuously lubricated and doesn't require maintenance."

Christine Aßfalg, CLAAS controller and farmer

Continuously lubricated rotor drive assembly.

The core component of the LINER four-rotor swather runs in an oil bath to ensure maximum durability and service life.

How do we know this? Because it has stood the test of time a thousand times over.

Sturdy main frame with trapezoidal profile.

The main frame of the LINER four-rotor swather has been throughly shaken around in the run-up to series production as a result of over 20,000 ha of operational experience and countless hours on the test bed.

And the result?
Passed with flying colours!

"The large frame with trapezoidal profile is as tough as they come. It's incredibly robust and solidly constructed."

Uli Biesenberger, CLAAS test bed engineer

Comfort.
Making life that little bit easier.

“No one wants to waste any time on the field. The hoses are clearly marked and attaching them is child's play.”

Linus Kesenheimer, LINER design engineer

Hoses clearly assigned to couplings.

Whether you choose the BUSINESS or TREND version, the cleverly designed hose cabinet not only keeps the hoses clean and tidy; marking the function on both the hose and the corresponding connector makes for very simple attachment and removal.

LED work lights.

Sometimes night falls before your working day is over. But you still need a clear view of the rotors and the work area – now you have it, with six perfectly positioned optional LED work lights.

“You can only work well if you can see well. LED headlights illuminate the work area as bright as day.”

Michael Wessner, LINER assembly supervisor and contract operator

New

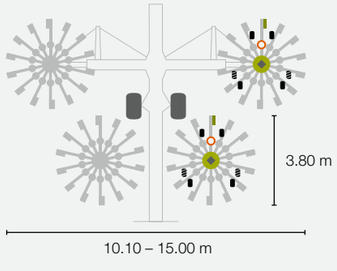
LINER 4900 BUSINESS.
The most powerful in the business.

Wide on the field, compact on the road.
The LINER 4900 BUSINESS is the top model in its class. With a working width of 15 m, it has a whopping capacity. In narrow areas it can retract down to a 10.10 m working width thanks to the front arms' patented double telescoping function and C profile. This also enables it to switch rapidly to a compact transport position for safe road travel.

Turns night into day.
All LINER BUSINESS four-rotor swathers can be fitted with six LED work lights as an option. They are carefully positioned to illuminate all four rotor work areas along with the swath and the surrounding area to give the operator the clearest of views.

Optimal fieldwork with Section Control.
Section Control on the LINER four-rotor swathers BUSINESS models enables individual rotors to be raised and lowered automatically if the tractor has the corresponding steering system. This is easily done from the comfort of the cab via ISOBUS and reduces the operator's workload when handling working widths of up to 15 m. This option also increases efficiency in odd-shaped fields, at field margins and on the headland. In tricky situations it eliminates operator error to achieve optimal swathing results.

LINER 4900 BUSINESS



- Silage tines 9.50 mm
- PROFIX / 20-spl. shaft
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 14-arm rotor drive assembly (permanently lubricated), with triple bearing

Number of wheels per rotor chassis:

- standard
- optional

We protect the soil with the widest tyres available.

Choose from a wide range of tyres to suit your needs. If you opt for wide main chassis tyres, you also get the wider 16x9.5-8 rotor chassis tyres.

You can also choose the optional six-wheel chassis – for all four rotors. This increases the machine's footprint by up to 75%, which can be a huge benefit, especially on wet ground.

Well-thought-out operation.

The machine can be operated with the CEMIS 100 machine terminal or by ISOBUS via the CEMIS 700 or any other ISOBUS-enabled terminal via AUX-N or AUX-O. The ability to assign various functions to the spool valves and function keys of the tractor makes operating the machine exceptionally straightforward. In automatic mode, the working and swath width as well as the folding and unfolding function can be adjusted continuously. If the LINER is equipped with hydraulic rake height adjustment, positions can be saved and controlled individually.

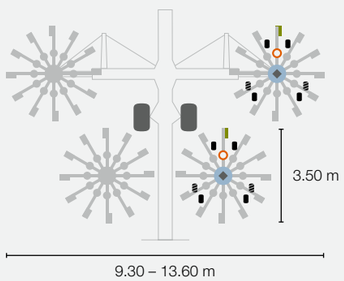
LINER 4800 BUSINESS or TREND. It's your choice.

Not too big and not too small.

The LINER 4800 is available in the TREND and the BUSINESS version – whichever you prefer. And whichever you choose, you're sure to be impressed by the wealth of features and equipment options.

With a working width of 9.30 to 13.60 m, it slots in perfectly between it bigger and smaller brothers, making it the ideal addition to the CLAAS four-rotor swather range.

LINER 4800 BUSINESS / LINER 4800 TREND



- Silage tines 9.50 mm
- PROFIX / 20-spl. shaft
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 12-arm rotor drive assembly (permanently lubricated), with double bearing

Number of wheels per rotor chassis:

- standard
- optional

The LINER 4800 BUSINESS.

Like its big brother, this model is also equipped with ISOBUS and numerous automation functions designed to lighten the operator's load. A wide variety of machine parameters can be individually configured, saved and adapted to the field conditions with just one click.

Optional LED lighting with a total of six work lights for optimal visibility even at night.

The LINER 4800 TREND.

If you opt for this machine, you benefit from simple, direct operation via spool valves. Furthermore, the LINER 4800 TREND needs only two double-acting spool valves for the front arms and the main frame and telescopic arm. A single-acting spool valve is additionally required to control the rear rotors. With optional sequential control, this spool valved is not needed.

Alternatively, you can choose the PLUS control option and take advantage of the individual lift function for the front rotors and more convenient folding via the CEMIS 10 terminal.

Flexible operation in the field.

Individual rotor lift allows the operator to control each rotor separately in response to varying field conditions and shapes. In the automatic lift and lower mode, the operator can choose between time- and route-dependence. If necessary, this function can be manually overriden by holding down the key.

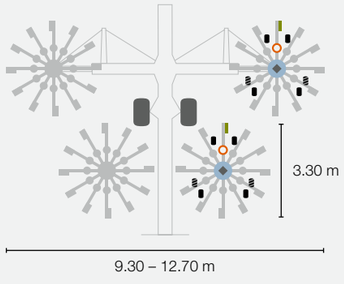
LINER 4700 BUSINESS or TREND.
The smallest of the Big Four.

18.00 m to a single swath – that's teamwork.

The DISCO 9300 C AUTOSWATHER and the LINER 4700 make a brilliant team. The mower uses belt units to consolidate a mowing width of 18.00 m to 12.00 m.

Then the four-rotor swather rakes the entire crop into the middle to form an extremely uniform swath. This strategy increases the size of the swath by 50%, enabling the downstream harvesting chain to be used to full capacity.

LINER 4700 BUSINESS / TREND



- Silage tines 9.50 mm
- PROFIX / 20-spl. shaft
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 12-arm rotor drive assembly (permanently lubricated), with double bearing

Number of wheels per rotor chassis:

- standard
- optional

The LINER 4700 BUSINESS.

Even with the smallest four-rotor swather, maximum comfort is a given. Numerous automation SOBUS functions help reduce your workload. You can save the machine settings and adjust them to the field conditions with just one click. The machine is operated via the CEMIS 700 terminal (1).

The LINER 4700 TREND.

If you opt for this machine, you benefit from simple, direct operation via spool valves (2). Furthermore, the standard version of the LINER 4700 TREND needs only two double-acting spool valves for the front arms and the main frame and telescopic arm. A single-acting spool valve is additionally required to control the rear rotors. With optional sequential control, this spool valved is not needed. Alternatively, you can choose the PLUS control option and take advantage of the individual lift function for the front rotors and more convenient folding via the CEMIS 10 terminal (3).

Ingeniously engineered.

With the same frame and arm construction as its larger siblings, the LINER 4700 is certainly a match for them. All LINER four-rotor swathers have a robust 2-point hitch with a maximum steering lock of up to 80° and ample space to accommodate lateral movement of up to 20°. When the machine is unhitched, the drive shaft can be conveniently stowed in the handy shaft holder.

Semi-automatic parking stand.
All LINER four-rotor swathers have a cleverly designed semi-automatic stand which can easily be operated with just one hand.

Two rotors.
Hand in hand.

Dual-rotor swathers with central swathing.

Two trusty rotors on your side. You can always rely on them – in silage, hay or straw, on level ground or slopes. When it comes to performance and versatility, LINER central swathers are top-notch.

LINER 3100 TREND	8.70 – 10.00 m
LINER 2900 BUSINESS / TREND	8.00 – 9.00 m
LINER 2800 BUSINESS / TREND	7.40 – 8.20 m
LINER 2700 TREND	6.80 – 7.40 m
LINER 2600 TREND	6.20 – 6.80 m

The central swather series. Outstanding features.

Attachment and removal.

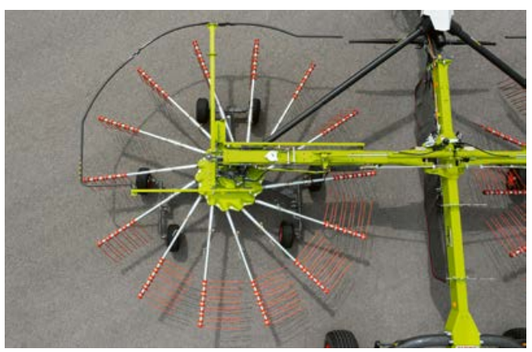
The optimised 2-point hitch makes for easy attachment and removal – as do the Kennfixx hydraulic couplings available for the LINER 2800 and above. When the job is done, the drive shaft can be conveniently stowed in the handy parking bracket, along with all the hoses.

Safe on the road.

Forced steering ensures that the swather always follows the tractor's tracks for perfect trailing. The steering angle display helps the operator when negotiating tight bends.

Proven swathing technology.

Naturally, LINER central swathers are fitted with the reliable, professional rotor drive assembly which runs in an oil bath. Furthermore, all models are equipped with CLAAS silage tines – so gentle forage handling is guaranteed.



Gentle on the soil.

Our rotor chassis is designed for maximum soil protection. The six-wheel option available for some models amplifies the GRASS CARE effect even further.

Drive and maintenance.

CLAAS relies on a mechanical drive for maximum efficiency. The friction clutches we use are particularly high on torque.

BUSINESS or TREND variant.

The LINER central swathers have a proven track record. With the introduction of the BUSINESS and TREND variants, customers can now choose between two different basic specifications. The BUSINESS model comes with the CEMIS 10 terminal, which handles preselection control. In the TREND version the LINER is operated directly via the spool valves.

Type		LINER 3100	LINER 2900	LINER 2800	LINER 2700	LINER 2600
Variants		TREND	TREND / BUSINESS	TREND / BUSINESS	TREND	TREND
Working width[1]	m	8.70 – 10.00	8.00 – 9.00	7.40 – 8.20	6.80 – 7.40	6.20 – 6.80
Rotor diameter	m	4.20	3.80	3.50	3.20	2.90
Tine arms per rotor		14	14	12	12	11
PROFIX		●	●	●	●	–

[1] BUSINESS models and optionally also TREND models with swath curtain: minimum working width 10-20 cm wider, depending on model

Two rotors.
We've got it covered.

Large rotors to cope with even the thickest swaths.

Its generous rotor diameter and the 14 PROFIX tine arms, each with five double tines, ensure that nothing is left behind. And with a lift height of up to 90 cm, the LINER 3100 TREND passes effortlessly over even the largest straw swaths. The lift height can be adapted to any harvesting conditions via infinitely adjustable hydraulic headland stops. At headlands, the swath curtain automatically folds upwards, giving maximum clearance.

Wide tyres.

Even in the standard version, the LINER 3100 TREND is fitted with 380/55-17 tyres. Wheel weights and the six-wheel chassis also come as standard – making the LINER 3100 TREND perfectly equipped for safe, soil-friendly swathing.

Power and efficiency with two rotors.

The LINER 3100 TREND is a reliable performer in straw, and just about any other crop. The working width is infinitely variable and features a hydraulic adjustment system with a scale showing the current setting.

When working with a straw crop, the swather easily has the working width required to combine two swaths from a 7.50 m combine harvester cutterbar.

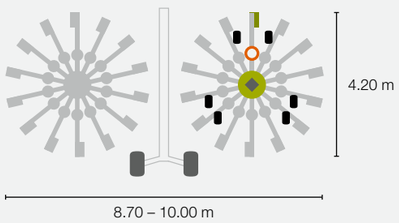
Ready for safe road travel in no time.

Three tine arms can be removed from each rotor and secured in the dedicated holder to get the transport height down to below 4.00 m. Thanks to the PROFIX tine arm attachment system, this is a quick and simple operation.

Individual rotor lift.

The optional individual rotor lift helps you do a really tidy job. There are two control options; either via a three-way valve and preselection or using a dual hose system with direct operation via the tractor spool valves.

LINER 3100 TREND



- Silage tines 9.50 mm
- PROFIX / 20-spl. shaft
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 14-arm rotor drive assembly (permanently lubricated), with triple bearing

Number of wheels per rotor chassis:

- standard
- optional

Rake height adjustment.
Hydraulic rake height adjustment is also available as an option. The side is selected by means of a pull-cable.

Two rotors.
Optimally equipped and ready for action.

Proven machines – now even better.

The LINER 2900 and 2800 have enjoyed decades of success in the market. With the launch of the BUSINESS variant, there is now a machine that comes with the CEMIS 10 control terminal and diverse other features such as the electrohydraulic individual rotor lift as standard.

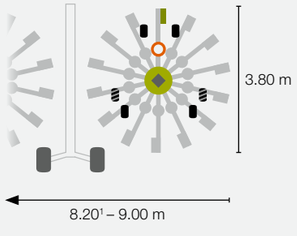
Hydraulics.

The basic machine requires two spool valves. One for folding and for headland or individual rotor lift, the other to operate the telescopic arm. An additional spool valves is needed if you choose the hydraulic rotor height adjustment option.

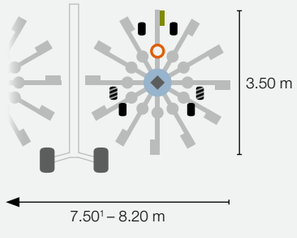
Convenient operation.

In the LINER 2900 and 2800 BUSINESS models, the transport position is controlled very easily by means of the CEMIS 10 terminal, and optionally the hydraulic rake height adjustment as well.

LINER 2900 BUSINESS



LINER 2800 BUSINESS



- Silage tines 9.50 mm
- PROFIX / 20-spl. shaft
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 14-arm rotor drive assembly (permanently lubricated), with triple bearing
- 12-arm rotor drive assembly (permanently lubricated), with double bearing

Number of wheels per rotor chassis:

- standard
- optional

¹ With swath curtain

Swath curtain.

The machines are quipped with a swath curtain with automatic hydraulic folding as standard.

ACTIVE FLOAT.

The proven ACTIVE FLOAT system has been borrowed from the DISCO series and adapted for the LINER models. It provides individually adjustable hydraulic rotor suspension for even better ground-contour following.

CEMIS 10 parking bracket for PLUS operation.

PROFIX tine arm attachment system.

380/55-17 standard tyres.

Conventionally operated.
Simple, efficient and effective.

The LINER 2900 and 2800 TREND.

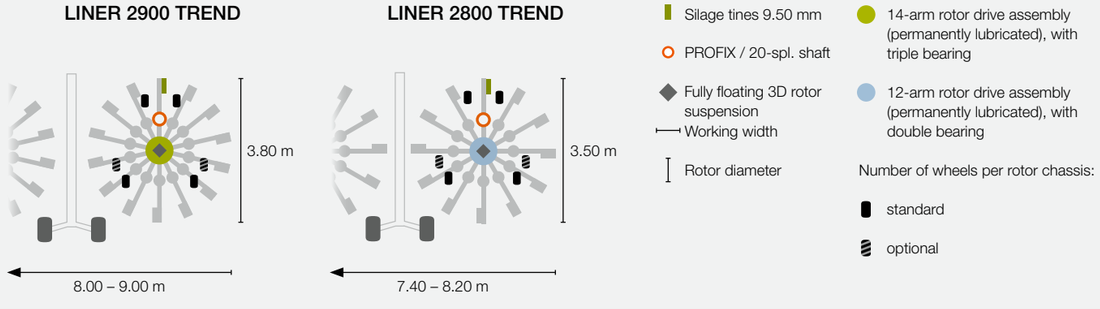
In the TREND version, the two central swathers with maximum working widths of 9.00 or 8.20 m feature pleasingly simple and intuitive direct operation via the spool valves. A hydraulically folding swath curtain is also available as an option.

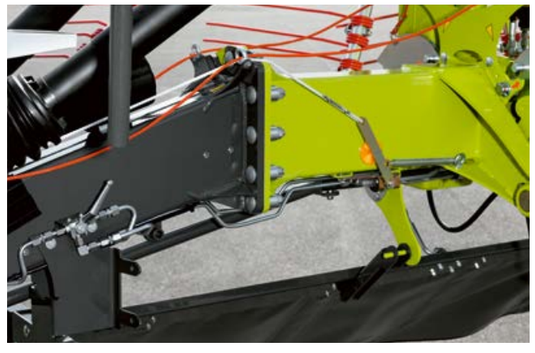
Individual rotor lift.

The optional individual rotor lift helps you do a really tidy job. There are two control options; either via a three-way valve and preselection or using a dual hose system with direct operation via the tractor spool valves.

LINER technology for professionals.

The LINER 2900 and 2800 TREND are of course fitted with the permanently lubricated CLAAS rotor drive assembly for professionals. And in the event of a collision, the PROFIX tine arm attachment keeps downtimes to a minimum.





Rake height adjustment.

Hydraulic rake height adjustment is also available as an option. The side is selected by means of a pull-cable.

The best of tyres.

A choice of either 380/55-17 or 300/80-15.3 tyres keep both machines wheeling.

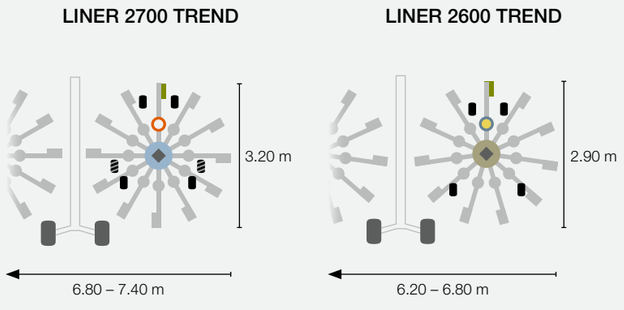
Great technology in a compact format.

The LINER 2700 and 2600 TREND.

The two smaller siblings in the LINER central swather series have maximum working widths of 7.40 m and 6.80 m. A mechanically folding swath curtain is optionally available.

Silage tines for all models.

These two smaller models are also equipped with the proven CLAAS silage tines – double-angled for gently yet effective forage handling.



Individual rotor lift and rake hight adjustment.

The optional individual rotor lift in these two models is controlled either via a three-way valve and preselection or using a dual hose system. Hydraulic rake height adjustment is also available as an option. The side is selected by means of a pull-cable.

LINER technology for professionals.

Like all the other LINER, these two models are equipped with the CLAAS rotor drive assembly for professionals. The LINER 2700 TREND features the PROFIX tine arm attachment system for speedy tine arm replacement. And with the linch pin and lemon profile, the tine arms on the LINER 2600 can be changed in next to no time too.

Tyre options.

The standard 260/75-15.3 tyres offer optimum handling and soil protection. Alternatively, 340/ 55-16 tyres can also be fitted.

Super slimline.
The LINER 2600 with 260/75-15.3 tyres is especially compact on the road. With an external width of just 2.55 m, it has no problem negotiating narrow lanes.

Silage tines for gentle forage handling.

Side by side.
True masters of versatility.

Dual-rotor swather with side swathing.

The dual-rotor swathers with side discharge and three-dimensional rotor suspension guarantee meticulous swathing in all situations.

LINER 1900	8.05 m
LINER 1800 TWIN	7.45 – 8.40 m
LINER 1700	6.60 m
LINER 1700 TWIN	6.70 – 7.85 m
LINER 1600	6.20 m
LINER 1600 TWIN	6.20 – 6.90 m

Side swathers (trailed machines with no extra chassis) with working widths between 3.50 and 7.50 m also offer both flexibility and outstanding productivity, even with low crop densities.

LINER 800 TWIN	4.00 – 7.50 m
LINER 700 TWIN	3.50 – 6.30 m

Side swather series.
Awesome engineering.

For the perfect swath: trailed 3D rotor suspension.

The innovative rotor suspension on a robust ball coupling mount allows the rotors to oscillate laterally and longitudinally independently of the main frame. The combination of maximum oscillation travel and outstanding stability provides optimum ground-contour following, even over rough ground.

The rotor chassis is also designed for optimum ground-contour following, with the wheels positioned as close to the tines as possible. The optional six-wheel chassis even amplifies this effect in certain conditions. LINER rotor swathers produce perfect swathing results – at all times, whatever the terrain.

Rotor guidance for zero soiling.

Perfectly controlled rotor lift and lowering effectively prevents crop soiling – and elminates any risk of damage to the sward.

Impeccably shaped swaths, even after the machine has been through.

Optimum swath formation even at the headland, thanks to unparalleled lift heights of 50 cm for the LINER 1900 and LINER 1800, 53 cm for the LINER 1700 and 45 cm for the LINER 1600.

Side swather series.
Impressive features.

TWIN function.

With the TWIN models, an additional swath curtain can be used to rake a double swath (overnight swathing).

During haymaking, for example, this protects already dry material from exposure to moisture at night, before it can be collected.

Controlled lift and lowering.

Adjustable hydraulic step sequencing for delayed lifting or lowering of the rotors. The lowering and lifting speed can also be adjusted.

Safe and low-maintenance.

External drive train and individually secured rotors, low-maintenance 250-hour lubrication interval for the universal joints of the drive shafts.

Switch from single to double swath.

The telescopic arm in the TWIN 1800, 1700 and 1600 models allows you to choose between single and double swathing. This is done by repositioning a bolt or releasing a lock, depending on the model.

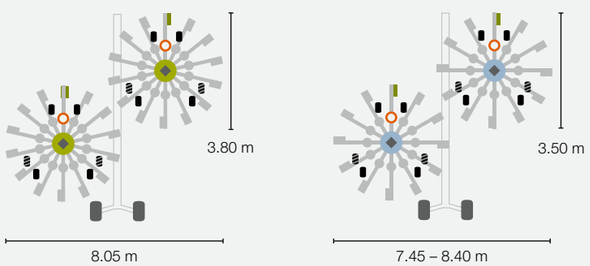
Type		LINER 1900	LINER 1800 TWIN	LINER 1700 TWIN / 1700	LINER 1600 TWIN / 1600	LINER 800 TWIN	LINER 700 TWIN
Working width	m	8.05	7.45 – 8.40	6.70 – 7.85 / 6.60	6.20 – 6.90 / 6.20	4.00 – 7.50	3.50 – 6.30
Rotor diameter	m	3.80	3.50	3.20	2.90	3.50	2.90
Tine arms per rotor		14	12	12	11	12	11
PROFIX		●	●	●	–	●	●

Ready for action.
The biggest in the family.

LINER 1900.

The LINER 1900, with a working width of 8.05 m and rotor diameter of 3.80 m, is the largest, most efficient side swather. It is ideal for all professional silage businesses and farm contractors. By combining two swaths, material from a working width of up to 16 m can easily be formed into a single forage swath.

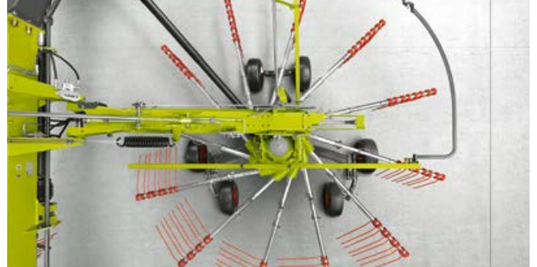
To avoid forage losses, the rotor overlap is infinitely adjustable from the driver's seat in the tractor. The four-wheel rotor chassis with steered front wheels and a laterally oscillating front axle ensures exceptionally smooth running and exact gauging of the ground contour, on any kind of terrain. On request, the LINER 1900 can be supplied with a six-wheel rotor chassis with additional tandem axles and trailing wheels, for even better ground-contour following, high work speeds and top forage quality.



The LINER 1800 TWIN.

This model is extremely versatile, with a 7.45 m working width for single swathing and 8.40 m for double swathing. The TWIN function allows for flexible adaptation to a range of different conditions. Two individual swaths can be combined to form a large swath for a forage harvester or big baler.

Alternatively, you can create two smaller swaths for overnight swathing, small self-loading forage wagons, round balers or large forage volumes. You can also opt for hydraulic rake height adjustment to respond quickly to changing harvesting and forage conditions.



Hydraulic headland stops.

The LINER 1900 and 1800 TWIN models are equipped with an infinitely adjustable hydraulic headland stop to suit all types of forage crop.

True champions in the hay and straw sector – flexibility is our strength.

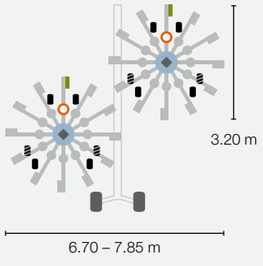
Proven LINER reliability.

As well as being consistently reliable, a true hay and straw champion has to cope confidently with any kind of terrain. The large-size tyres (up to 340/55 R 16) protect soil and sward – whether you decide on a four-wheel chassis, or the optional six-wheel chassis. You can also opt for hydraulic rake height adjustment, which enables you to respond quickly to changing harvesting and forage conditions.

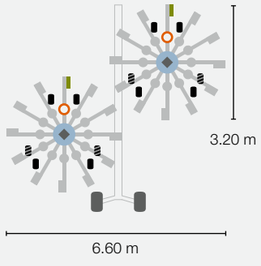
TWIN guarantees flexibility.

The TWIN function allows for flexible adaptation to a range of different conditions. Two individual swaths can be combined to form a large swath for a forage harvester or big baler. Alternatively, you can create two smaller swaths for overnight swathing, small self-loading forage wagons, round balers or large forage volumes. You can also opt for hydraulic rake height adjustment to respond quickly to changing harvesting and forage conditions.

LINER 1700 TWIN



LINER 1700



- Silage tines 9.50 mm
- PROFIX / 20-spl. shaft
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 12-arm rotor drive assembly (permanently lubricated), with double bearing

Number of wheels per rotor chassis:

- standard
- optional

The flexible inverted U-frame hitch with lateral oscillation allows a steering lock angle of up to 80°.

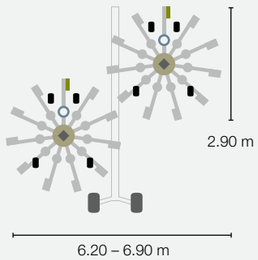
One swath or two? It's your choice.

LINER expertise.

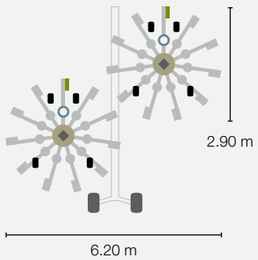
You get the LINER benefits, too: the permanently lubricated CLAAS rotor drive assembly for professionals and silage tines that combine powerful raking performance with gentle forage handling. What's more, you can take advantage of the innovative fully floating 3D rotor suspension, while active, adjustable steering ensures optimal machine trailing.

The eleven tine arms guarantee clean raking performance and feature the predefined bending point to protect the rotor drive assembly from damage. The machines fold down to less than 4 m for road travel without removing the tine arms and with large tyres and a 40 km/h chassis, they can be transferred quickly and safely to the next field.

LINER 1600 TWIN



LINER 1600



- Silage tines 9.50 mm
- Tensioning pins / fixed connection
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 11-arm rotor drive assembly (permanently lubricated)

Number of wheels per rotor chassis:

- standard
- optional

Two rotors. Neatly does it.

The LINER 1600 and 1600 TWIN are the smallest models in the dual-rotor family with side swathing and independent chassis.They have a working width of 6.20 or 6.90 m.

Unlimited possibilities, taking the toil out of work.

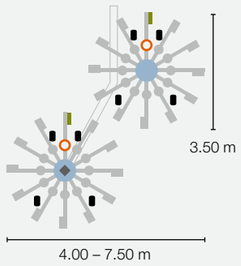
Efficient, high-performance swathing.

The LINER 800 TWIN and 700 TWIN are the ideal harvest partners for small- and medium-sized farms that require productivity at a reasonable price. The impressive features of these swathers include their flexible working width, low power requirement, user-friendly operation and exceptional raking quality. The generously dimensioned chassis and low centre of gravity make both these models very stable on slopes, and gentle on the soil in all types of conditions. And their outstanding steering characteristics also make them ideal for use in grassland orchard areas.

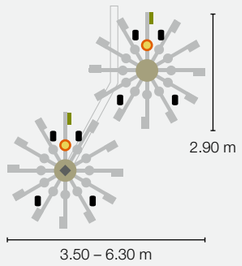
Road transport.

The LINER 700 TWIN folds down to a transport width of less than 3.00 m without removing the tine arms. The LINER 800 TWIN has a rotor diameter of 3.50 m, so the tine arms can be removed for road transport and conveniently stowed securely on the rotor.

LINER 800 TWIN



LINER 700 TWIN



- Silage tines 9.50 mm
- PROFIX / 20-spl. shaft
- PROFIX / lemon profile
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 12-arm rotor drive assembly (permanently lubricated), with double bearing
- 11-arm rotor drive assembly (permanently lubricated)

Number of wheels per rotor chassis:

- standard
- optional

Generous lift height for driving over swaths at the headland: up to 50 cm in the LINER 700 TWIN.

Hydraulic sequential control fitted as standard to adjust the time delay between front and rear rotors when raising and lowering.

Parallelogram drawbar is optional on the LINER 700 TWIN and standard on the LINER 800 TWIN.

Packing a punch with just one rotor.

Single-rotor swathers.

The LINER single-rotor swathers are specially developed for farmers who prefer to handle their forage harvesting independently, and who often work in smaller fields. The working widths of 3.70 to 4.80 m are ideal for these situations. Whether with three-point hitching or as a trailed model, the key features of the LINER single-rotor swathers are precise ground-contour following, high work rates and outstanding reliability.

LINER 500 PROFIL	4.80 m
LINER 450	4.50 m
LINER 420	4.20 m
LINER 370	3.70 m
LINER 450 T	4.50 m

Single-rotor swathers.
Outstanding technology.

Attachment and removal.

All single-rotor swathers are easy to hitch and remove. As well as a handy parking position for the drive shaft, they also features a parking stand which is very easy to operate.

Stable on slopes and when cornering.

CLAAS suspension prevents the machine from overrunning on slopes. It also provides suspension for the main frame, locks the 3-point hitch for road travel and stabilises the machine.

Everything revolves around the rotor drive assembly.

The rotor drive assembly in the LINER runs in an oil bath to ensure continuous lubrication and exceptional reliability. Furthermore, the generously dimensioned spheroidal graphite cast iron cam track guarantees a long service life. In the event of a collision, the predefined bending points on the tine arms break off outside the rotor housing, providing optimum protection for the core element.

Speedy tine arm replacement.

The PROFIX tine arm attachment system allows you to prepare the machine for transport in next to no time – or minimise downtimes if a tine arm gets bent. The LINER 500-420 are equipped with this. In the LINER 370 the tine arms are secured by means of a linch pin.

All the way up.

Lift heights of up to 50 cm keep the swath intact at the headland even when using smaller tractors.

Precisely adjusted rake height with additional guide wheel.

A guide wheel which can be adjusted without tools is optionally available for some single-rotor swathers. This helps to maintain the correct height, particularly in hilly terrain, and keeps the rotor moving smoothly and cleanly over the ground.

Additional options.

For even greater convenience, the 500–420 single-rotor swathers can be equipped with optional hydraulic rake height adjustment as well as safety frame and swath curtain folding.

Type		LINER 500 PROFIL	LINER 450	LINER 420	LINER 370	LINER 450 T
Working width	m	4.80	4.50	4.20	3.70	4.50
Rotor diameter	m	3.80	3.50	3.20	2.90	3.50
Tine arms per rotor		14	12	12	11	12
PROFIX		●	●	●	–	●

Stand-alone reliability – single-rotor performance.

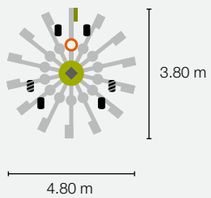
On the level.

The CLAAS LINER 500 PROFIL was the world's first single-rotor swather with fully floating 3D rotor suspension. Its three-dimensional adaptation to ruts and bumps, independently of tractor movements, has now been adopted in many other models. As an additional benefit, the 3D cardan suspension means that the rotor remains horizontal during the lifting operation, allowing greater lift heights.

Strong at heart.

The impressive rotor drive assembly on the LINER 500 PROFIL features permanent lubrication and a robust long-lasting cam track. Equally impressive are the triple-mounted tine arms which reduce leverage for optimum reliability and stability.

LINER 500 PROFIL



- Silage tines 9.50 mm
- PROFIX / 20-spl. shaft
- Fully floating 3D rotor suspension
- Working width
- Rotor diameter
- 14-arm rotor drive assembly (permanently lubricated), with triple bearing

Number of wheels per rotor chassis:

- standard
- optional

Effortless removal.

The PROFIX tine arm bracket means you can travel safely on the road with the LINER 500, even with the 3.80 m wide rotor drive assembly.

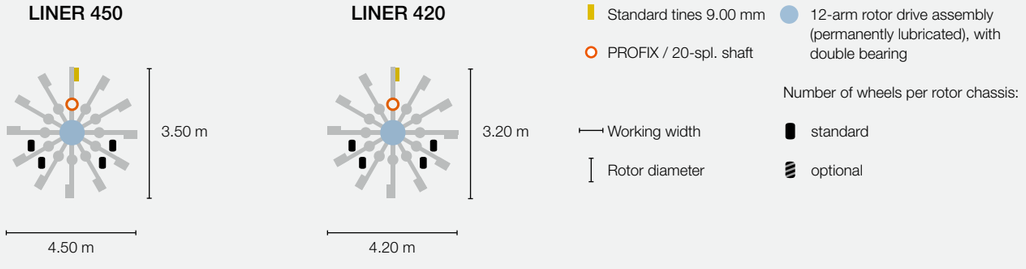
One swather, multiple options – a truly versatile performer.

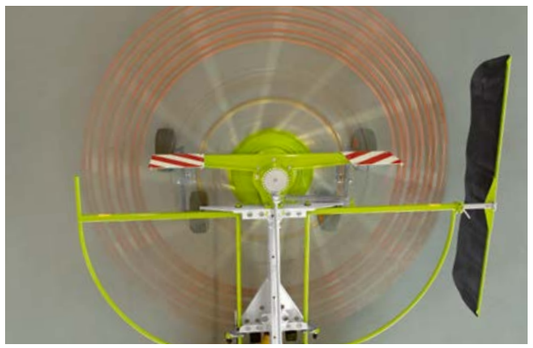
LINER 450 and 420.

The LINER 450 and 420 models differ only in their working width. As with all CLAAS single-rotor swathers, the high lift height guarantees well-formed swaths which remain intact even when driven over.

Precision swathing.

The rake height can be adjusted via a crank lever or optionally, hydraulically from the cab, for perfect precision raking. The position of the swath curtain can be fixed via an easy-to-operate clamping bolt.





The chassis.

The V-shaped tandem axles are located close to the tine circle of rotation and adapt optimally to uneven ground. The adjustable lateral tilt is designed to accommodate different crop densities.

Robust inverted U-frame hitch.

Single-rotor swathers are attached to the two lower links of the tractor with the robust inverted U-frame hitch. The high insertion positions for the upper link provide ample ground clearance in the lifted state, even on smaller tractors. The practical support integrated in the inverted U-frame ensures that the universal shaft is at the right height, within easy reach for attachment, and can be conveniently parked when the swather is unhitched.

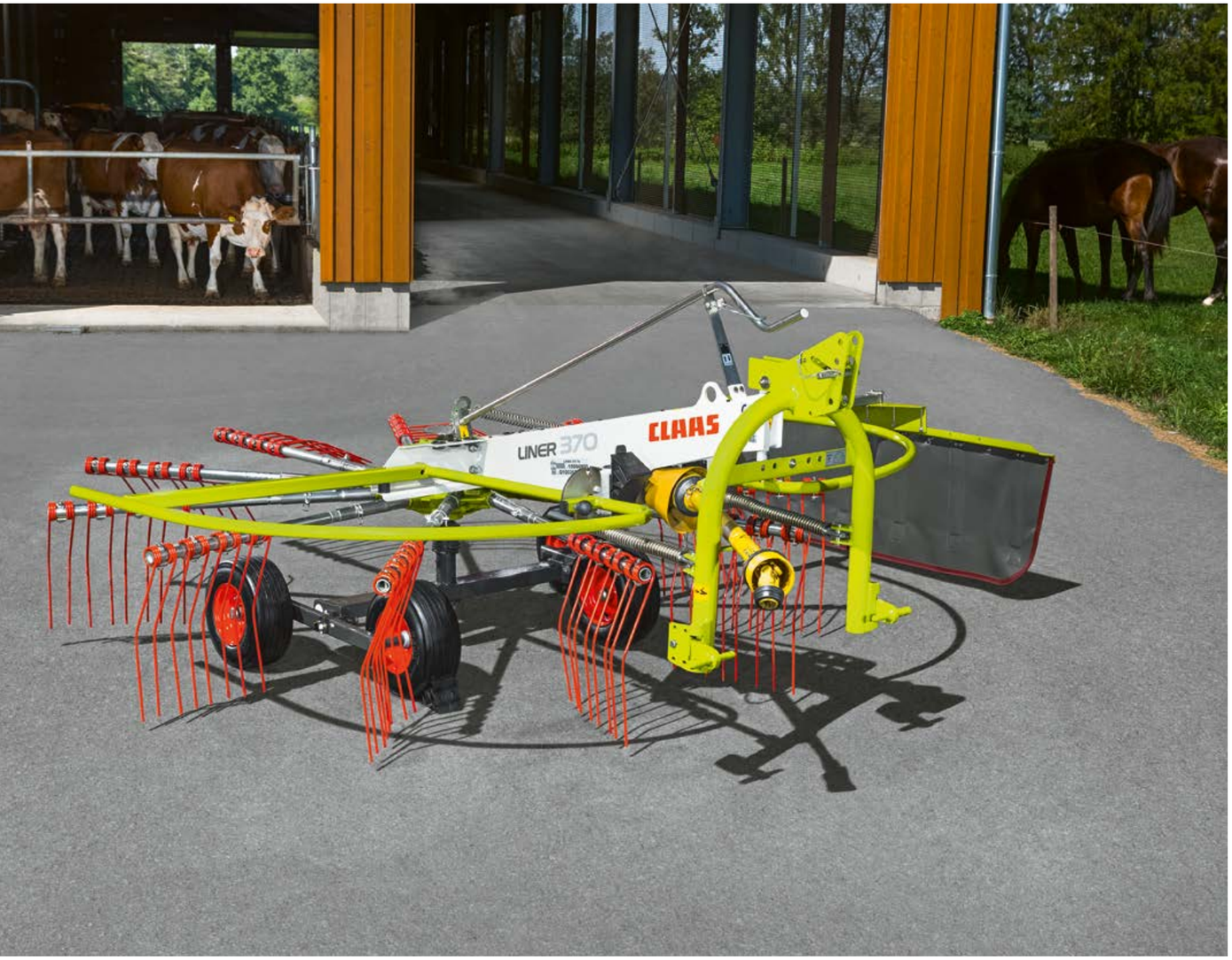
The 9 mm thick standard tines on the 450, 420 and 370 models are extremely robust, making them ideal for both hay and silage.

Safe and secure on the road.

Standard spring-assisted or optional hydraulically folding safety frames and easy-access transport brackets for removable tine arms make it easy to meet the road transport width requirement. An integrated transport lock holds the rotor in place while on the move, and large warning signs are optionally available, with or without lighting.

The CLAAS power suspension relieves pressure on the attached swather's carrier frame and the spring-loaded arms prevent overrun on downhill slopes. The arms also automatically lock the three-point frame for safe on-road travel.

Small machine, big impact.



LINER 370

- Standard tines 9.00 mm
- Linch pin / lemon profile
- 11-arm rotor drive assembly (permanently lubricated)
- Working width
- Rotor diameter

Number of wheels per rotor chassis:

- standard
- optional

Eleven-arm rotor drive assembly in the LINER 370.

The LINER 370 has an eleven-arm rotor drive assembly. As on other models, this is hermetically sealed, permanently lubricated and therefore maintenance-free.

Tool-free tine arm removal.

The tine arms, each with three dual tines, have a lemon profile attachment. They are held securely in place with linch pins for rapid tool-free removal when required.

Rotor chassis.

The LINER 370 is fitted with a tandem chassis as standard. The axles are positioned close to the circle of rotation of the tines for optimum ground-contour following. A guide wheel is additionally available to further support this effect.

Virtually maintenance-free technology.

An outstanding price-performance ratio combined with long-lasting, virtually maintenance-free technology. The LINER 370 is the machine of choice in its class.

Power to the rear.
The trailed single-rotor swathers.

T is for trailed.

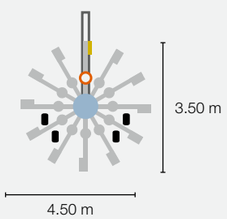
CLAAS offers a high-performance trailed variant for farms that use smaller tractors: the LINER 450 T. This model stays in position behind the tractor even in hilly terrain, whether hitched to a linkage drawbar or swinging drawbar.

Just hitch up and drive away.

The trailed single-rotor swather is operated with just one single-acting spool valve.

- The hitch design enables the rotors to be raised parallel to the ground
- The rotor angle in the direction of travel is set with a built-in crank handle fitted in the drawbar cylinder, or the optional guide wheel
- Optional: parallelogram drawbar for connection to rigid pulling mechanisms

LINER 450 T



Standard tines 9.00 mm
PROFIX / 20-spl. shaft

12-arm rotor drive assembly (permanently lubricated), with double bearing

Working width
Rotor diameter

Number of wheels per rotor chassis:
standard
optional

Designed to please.

The LINER 450 T has a working width of 4.50 m and twelve removable tine arms to ensure a high output. Generously dimensioned cam roller bearings run in a long-lasting cam track made from spheroidal graphite iron for optimal service life and minimal maintenance costs.

Whatever it takes – CLAAS Service & Parts.

CLAAS Service & Parts is always there for you, 24/7.
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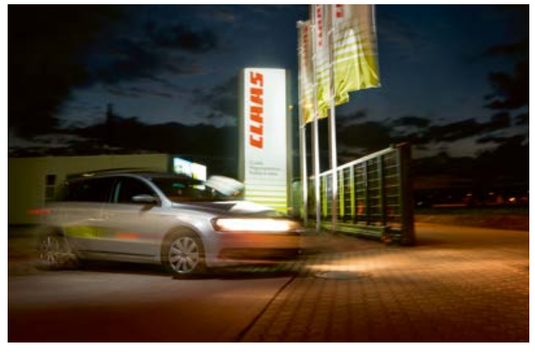
The availability of products from CLAAS Service & Parts may vary according to country.

Specially matched to your machine.
Precision-manufactured parts, high-quality consumables and useful accessories. Choose our comprehensive product range to be certain of receiving exactly the right solution to ensure 100% operating reliability for your machine.

For your business: CLAAS FARM PARTS.
CLAAS FARM PARTS offers one of the most comprehensive ranges of multi-brand parts and accessories for all agricultural applications on your farm.

Global supply.
The CLAAS Parts Logistics Center in Hamm, Germany, stocks almost 200,000 different parts and has a warehouse area of over 183,000 m^2. This central spare parts warehouse delivers all ORIGINAL parts quickly and reliably all over the world.



Your local CLAAS distributor.
Wherever you are, you can count on us to always provide you with the service and the contact people you need. Your CLAAS partners are on hand in your local area, ready to support you and your machine around the clock. With know-how, experience, commitment and the best technical equipment. Whatever it takes.

Because precise adjustment delivers perfect results.

Flexible rake height.

The current rake height can be read on the central shaft of the rotor chassis and adjusted mechanically or hydraulically, depending on the machine specification.

Rotor adjustment.

The swathing rotors are set correctly when placed at the minimum angle of inclination towards the swath. Depending on the model, the angle can be adjusted simply by changing the pin positions or using the set screws. This ensures a clean pick-up every time, resulting in a perfect swath, even at high travel speeds.

Headland lift height.

All LINER models can be raised to an excellent height at the headland. Depending on the machine, this can be adjusted to suit the harvesting conditions.

LINER		4900 BUSINESS[1]	4600 BUSINESS[1]	4600 TREND[1]	4700 BUSINESS[1]	4700 TREND[1]	3100 TREND[1]	2900 BUSINESS[1]	2900 TREND[1]	2800 BUSINESS[1]	2800 TREND[1]	2700 TREND[1]	2600 TREND[1]	1900	1800 TWIN[2]	1700 TWIN[2]	1700	1600 TWIN[2]	1600
		Four-rotor swathers					Dual-rotor swathers with central swathing							Dual-rotor swathers with side swathing and independent chassis[3]					
Hitch category		Cat. III	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II	Cat. II
Working width	m	10.10 – 15.00	9.30 – 13.60	9.30 – 13.60	9.30 – 12.70	9.30 – 12.70	8.70 – 10.00	8.20 – 9.00	8.00 (8.20[3]) – 9.00	7.50 – 8.20	7.40 (7.50[3]) – 8.20	6.80 (7.00[3]) – 7.40	6.20 (6.35[3]) – 6.80	8.05	7.45 – 8.40	6.70 – 7.85	6.60	6.20 – 6.90	6.20
Swath width approx.	m	1.40 – 2.50	1.40 – 2.40	1.30 – 2.20	1.30 – 2.40	1.30 – 2.20	1.50 – 2.60	1.60 – 2.40	1.40 (1.60[3]) – 2.40	1.30 – 2.20	1.20 (1.30[3]) – 2.20	1.20 (1.40[3]) – 2.00	1.10 (1.25[3]) – 1.80	0.90 – 1.40	0.90 – 1.30	0.90 – 1.30	0.90 – 1.30	0.60 –1.20	0.60 –1.20
Transport width																			
with tine arms attached	m	3.00	3.00	3.00	3.00	3.00	2.97	2.97	2.97	2.97	2.97	2.97	2.55 (2.65[4])	2.99	2.99	2.89 / 2.99[4]	2.89 / 2.99[4]	2.89 / 2.99[4]	2.89 / 2.99[4]
Transport height:																			
with tine arms attached	m	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	4.46	< 4.00	< 4.00	< 4.00	< 4.00	< 4.00	3.94	3.99	3.99	3.99	3.99	3.79	3.79
with tine arms removed	m	–	–	–	–	–	3.75	3.72	3.72	3.47	3.47	3.38	3.18	3.69	3.54	3.67	3.67	–	–
Parking length (transport position)	m	10.15	10.00	10.00	9.40	9.40	6.92	6.53	6.53	6.53	6.53	5.87	5.87	9.64	9.19	8.66	8.66	8.25	8.25
Weight	kg	5970	5400	5400	5080	5080	2880	2470	2470	2220	2220	1850	1630	2590	2480	2220	2080	1950	1810
3D floating rotor suspension		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Rotors	Qty	4	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	2
Rotor diameter	m	3.80	3.50	3.50	3.30	3.30	4.20	3.80	3.80	3.50	3.50	3.20	2.90	3.80	3.50	3.20	3.20	2.90	2.90
Tine arms per rotor	Qty	14	12	12	12	12	14	14	14	12	12	12	11	14	12	12	12	11	11
Dual tines per arm	Qty	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4
Tine diameter	mm	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
PROFIX tine arm attachment system		●	●	●	●	●	●	●	●	●	●	●	–	●	●	●	●	–	–
Swath-laying position		centre	centre	centre	centre	centre	centre	centre	centre	centre	centre	centre	centre	left	left	left	left	left	left
Four-wheel rotor chassis		●	●	●	●	●	–	●	●	●	●	●	●	●	●	●	●	●	●
Six-wheel rotor chassis		○	○	○	○	○	●	○	○	○	○	○	–	○	○	○	○	–	–
Drive line																			
PTO speed		540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540	540
Single wide-angle PTO drive shaft		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tyres																			
Rotor chassis																			
16x6.50-8		● 4 x 4 (○ 4 x 6)	● 4 x 4 (○ 4 x 6)	● 4 x 4 (○ 4 x 6)	● 4 x 4 (○ 4 x 6)	● 4 x 4 (○ 4 x 6)	2 x 6	2 x 4 (○ 2 x 6)	2 x 4 (○ 2 x 6)	2 x 4 (○ 2 x 6)	2 x 4 (○ 2 x 6)	2 x 4 (○ 2 x 6)	2 x 4	2 x 4 (2 x 6 ○)	2 x 4 (2 x 6 ○)	2 x 4 (2 x 6 ○)	2 x 4 (2 x 6 ○)	2 x 4	2 x 4
16x9.50-8		○ 4 x 4 / ○ 4 x 6	○ 4 x 4 / ○ 4 x 6	○ 4 x 4 / ○ 4 x 6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Main frame																			
260/75-15.3		–	–	–	–	–	–	–	–	–	–	●	●	–	–	●	●	●	●
300/80-15.3		–	–	–	–	–	–	–	●	–	●	–	–	–	–	–	–	–	–
340/55-16		–	–	–	–	–	–	–	–	–	–	○	○	–	–	○	○	○	○
380/55-17		–	–	–	–	–	–	●	○	●	○	–	–	●	●	–	–	–	–
500/55-20		–	●	●	●	●	(○)	–	–	–	–	–	–	–	–	–	–	–	–
600/50-R 22.5		●	○	○	○	○	●	–	–	–	–	–	–	–	–	–	–	–	–
710/45-R 22.5		○	○	○	○	○	○	–	–	–	–	–	–	–	–	–	–	–	–
Convenience																			
Spare wheel		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Wheel weights		–	–	–	–	–	●	○	○	○	○	○	○	○	○	○	○	○	○
Mudguards		–	–	–	–	–	○	○	○	○	○	○	○	–	–	–	–	–	–
Section Control		○	○	–	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Individual rotor lift		●	●	○	●	○	○	●	○	●	○	○	○	–	–	–	–	–	–
Hydraulic rotor height adjustment		○	○	–	○	–	○	○	○	○	○	○	○	○	○	○	○	○	○
Hydraulic swath curtain folding		○	○	○	○	○	○	●	○	●	○	–	–	○	○	○	○	○	○
Illuminated warning sign		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
LED work lights		○	○	–	○	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hydraulic spool valves		LS (or 1 x sa + open return line)		1 x sa + 2 x da	LS (or 1 x sa + open return line)	1 x sa + 2 x da	1 x sa + 1 x da (+1 x da[5])	1 x sa + 1 x da	1 x sa + 1 x da (+1 x da[5])	1 x sa + 1 x da	1 x sa + 1 x da (+1 x da[5])	1 x sa (+1 x da[5])		1 x sa +1 x da (+ 1 x sa[6])		1 x sa (+ 1 x sa[6])		1 x sa (+ 1 x da[7])	

[1] Variants

[2] TWIN function for dual swath laying with optional additional swath curtain

[3] With swath curtain

[4] Main frame tyres 340/55-16

[5] Hydraulic rotor height adjustment

[6] Hydraulic swath curtain folding

[7] Hydraulic swath curtain adjustment

● standard ○ optional □ available – not available

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.
All technical specifications relating to engines are based on the European emissions regulation standards: Stage. Any reference to the Tier standards in this document is intended solely for information purposes and ease of understanding. It does not imply approval for regions in which emissions are regulated by Tier.

● standard ○ optional □ available – not available

LINER		800 TWIN[2]	700 TWIN[2]	500 PROFIL	450	420	370	450 T
		Dual-rotor swathers with side swathing without chassis		**Single-rotor swathers[1]**				
Attachment		Linkage drawbar / hitch		Three-point	Three-point/swivelling head			Linkage drawbar / hitch
Hitch category		–	–	Cat. II	Cat. I + II	Cat. I + II	Cat. I + II	–
Working width	m (DIN)	4.00 – 7.50	3.50 – 6.30	4.80	4.50	4.20	3.70	4.50
Transport width								
with tine arms attached	m	3.60	3.00	3.80[3]	3.50[3]	3.20[3]	2.98[3]	3.50[3]
with tine arms removed	m	2.42	2.42	2.40	2.30	2.00	2.22	2.20
Transport height:								
with tine arms removed	m	–	–	2.45	2.45	2.35	2.15	2.45
Parking length (transport position)	m	8.55	8.00	3.30	4.10	3.80	2.55	5.25
Weight approx.	kg	1620	1440	805	650	560	450	660
3D floating rotor suspension		●[4]	●[4]	●	–	–	–	–
Rotors	Qty	2	2	1	1	1	1	1
Rotor diameter	m	3.50	2.90	3.80	3.50	3.20	2.90	3.50
Tine arms per rotor	Qty	12	11	14	12	12	11	12
Dual tines per arm	Qty	4	4	4	4	4	3 (4 ○)	4
Tine diameter	mm	9.50	9.50	9.50	9.00	9.00	9.00	9.00
PROFIX tine arm attachment system		●	●	●	●	●	–	●
Swath-laying position		left	left	left	left	left	left	left
Four-wheel rotor chassis		●	●	●	●	●	●	●
Six-wheel rotor chassis		–	–	○	–	–	–	–
Drive line								
PTO speed	rpm	540	540	540	540	540	540	540
Single wide-angle PTO drive shaft		●	●	–	–	–	–	●
Tyres								
Rotor chassis 16×6.50-8 10 PR		–	–	2×4 (2×6 ○)	4	4	4	–
Rotor chassis 18×8.50-8 6 PR		2×4	2×4	–	–	–	–	4
Convenience								
Spare wheel		○	○	–	–	–	–	–
Double wide-angle PTO drive shaft		○	○	–	–	–	–	–
Castor guide wheel		○	○	–	○	○	○	○
Hydraulic swath curtain folding		○	○	○	○	○	–	○
Hydraulic rotor height adjustment		○	–	○	○	○	–	–
Warning sign		–	–	○	○	○	○	○
Illuminated warning sign		●	●	○	○	○	○	○
Parallelogram drawbar		●	○	–	–	–	–	○
Hydraulic spool valves		1×sa	1×sa	–	–	–	–	1×sa
		1×da	1×da	(2×da[5.6])	(2×da[5.6])	(2×da[5.6])	–	(1×da[5])

[1] With swath curtain

[2] TWIN function for dual swath laying with optional additional swath curtain

[3] Swath curtain and safety frame folded

[4] Rear only

[5] Hydraulic swath curtain folding

[6] Hydraulic rotor height adjustment

● standard ○ optional □ available – not available

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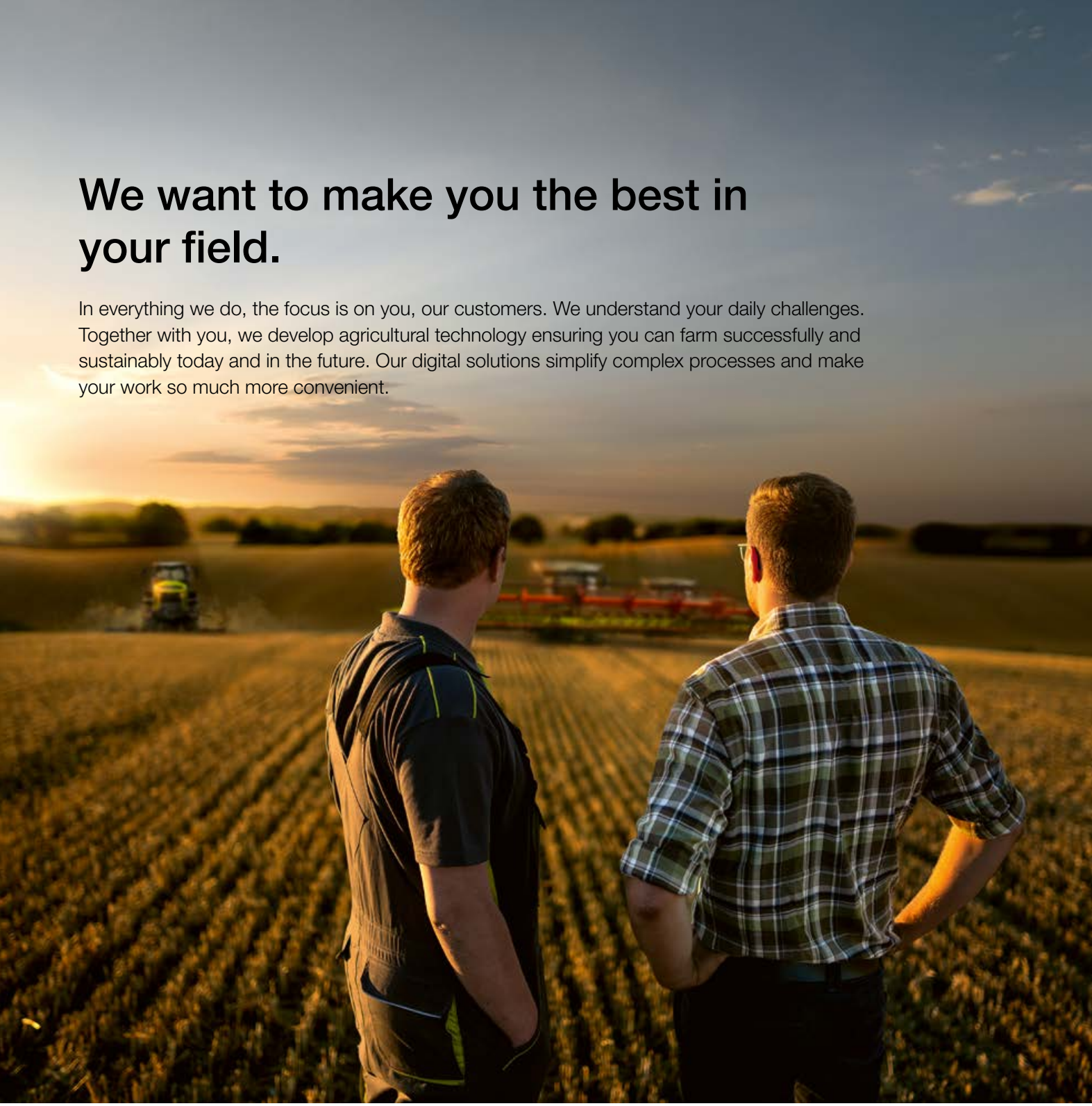

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