



Square balers

QUADRANT

5300 5200 4200



When reliability matters –
the QUADRANT from CLAAS.



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51 knives

FINE CUT (5300 / 5200) achieves 36,000 chops per minute during baling, thanks to its 51 knives.



250–1,250 kg bale weigher

Four sensors allow the bale to be weighed extremely accurately, right on the bale ramp.



Six knotters since 1921

Patented in 1921: the high-performance single knotter with eccentric needle control – reliable knotting with no twine residue.



Maximum convenience

Tried and tested automatic pressure control – for optimal baling pressure, unsurpassed bale quality and maximum operator comfort.

Quick, clean and safe – quality speaks for itself.

The QUADRANT tours Europe.

We are extremely proud of what we do, and strive to rise to the challenges that every day brings. That's why we produce square balers, machines that achieve the results we want in the field – consistently outstanding performance, thanks to reliable quality.

To prove that CLAAS is paying more than mere lip service to the concepts of reliability and quality, we have made sure the QUADRANT 5300/5200 is right where it should be, carrying out day-to-day operations in France, Hungary, Spain, Den-

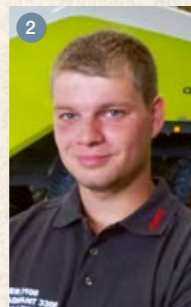
mark and Switzerland. And we listened to the people who really matter – the farmers. Because your opinion is what really drives us.

For some interesting and sometimes surprising highlights of our QUADRANT Europe Tour, visit our webpage at www.europatour.claas.com



1 "I really like the QUADRANT, especially the tying, because the problems we used to have with tying quality for different crops are now a thing of the past."

Heinz Tenger, Schleithem, Switzerland



2 "With its hydraulic prechamber, the QUADRANT is much more versatile. It produces well-formed bales even in the most difficult conditions."

Daniel Cosson, Contractor, Bezange-la-Petite, France



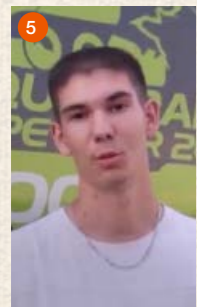
3 "The hydraulic reversing pick-up lightens the workload considerably."

Nicolas Hergott, Biding, France



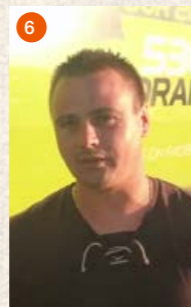
4 "The baler works perfectly and cuts cleanly, and the bales are very well compressed and have a high weight."

Hendrik Mennega, Eext, Netherlands



5 "The terminal is pretty easy to use. The menus are well laid out and it's easy to change settings."

Quentin Royer, Mame, France



6 "The turbo fan cleans the knotter units from different sides and keeps it completely clean."

Attila Balász, Oszkó, Hungary



Three square balers – an impressive line-up.

Integrated bale weighing system.

The exact bale weight is displayed on the terminal of the QUADRANT models during working, and is saved to the customer order. Thanks to the new bale weighing system, the bale weights can be called up anywhere via **TELEMATICS** and undergo further processing.

All QUADRANT models offer many additional benefits:

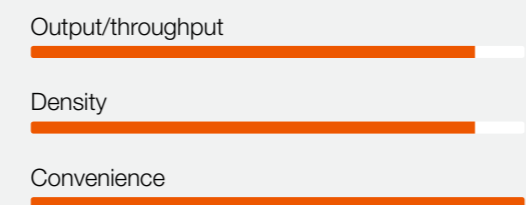
- High throughput
- Automatic baling pressure control for very high bale density
- High rotor speed for outstanding crop flow
- Good tying reliability, thanks to six high-performance knotters with no twine waste
- Knife drawer available for all QUADRANT models – now also available for the QUADRANT 4200
- Crop feed systems to suit a variety of needs: ROTO FEED, ROTO CUT, SPECIAL CUT
- Innovative bale weighing system for all QUADRANT models

QUADRANT	5300	5200	4200
1 Bale size 1.20 x 0.90 m	●	–	–
2 Bale size 1.20 x 0.70 m	–	●	●
3 Pick-up width 2.35 m	●	●	●
4 2 oscillating pick-up castor guide wheels	●	●	●
5 POWER FEEDING SYSTEM (PFS)	●	○	○
6 Hydraulically driven PFS	○	○	○
7 ROTO FEED	□	□	□
8 ROTO CUT (25 knives)	□	□	□
9 FINE CUT (51 knives)	□	□	–
10 Knife drawer	□	□	□
11 Adjustable hydraulic prechamber	●	●	–
12 Fixed-cycle prechamber	–	–	–
13 46 ram strokes	–	–	–
14 51 ram strokes	–	–	●
15 56 ram strokes	–	●	–
16 Automatic baling pressure control	–	●	○
17 ISOBUS-compatible	●	●	●
18 Automatic electric central lubrication system	●	●	○
19 6 CLAAS single knotters	●	●	●
20 Knotter monitoring	●	○	○
21 TURBO FAN knotter cleaning system with air diffuser	○	○	●
22 Eccentric needle control	●	–	–
23 LED package	□	□	–
24 Bale weighing system	○	○	○

● Standard ○ Optional □ Available – Unavailable

QUADRANT 5300 – the baling heavyweight.

For a bale size of 1.20 x 0.90 m.



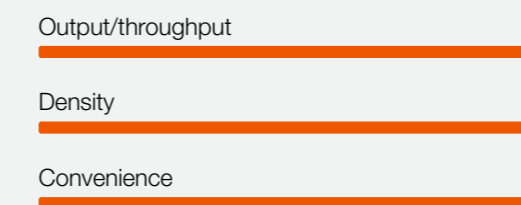
Individual strengths:

- 46 ram strokes per minute for good throughput and excellent bale density
- Hydraulically controlled prechamber for optimal bale weight, depending on crop volume
- FINE CUT with 51 knives for outstanding cutting quality
- Eccentric needle control



QUADRANT 5200 – the workhorse.

For a bale size of 1.20 m x 0.70 m.



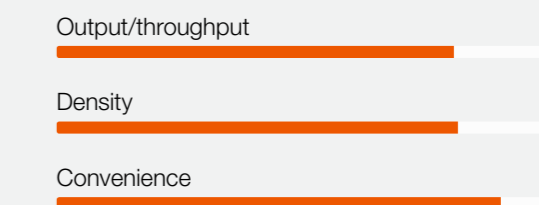
Individual strengths:

- 56 ram strokes per minute for good throughput and excellent bale density
- Hydraulically controlled prechamber for optimal bale weight, depending on crop volume
- FINE CUT with 51 knives for outstanding cutting quality



QUADRANT 4200 – The entry-level model.

For a bale size of 1.20 m x 0.70 m.



Individual strengths:

- 51 ram strokes per minute for good throughput and excellent bale density
- Automatic three-phase prechamber for optimal bale density
- NEW: Drawer system for ROTO CUT with 25 knives and new knife group activation



The most effective kind of work is always teamwork.

The technology.

Our engineers understand the need for synergy throughout the harvesting process. That's why we bring together all of our technical knowledge and experience in one of the world's largest state-of-the-art development centres for baling technology, and build this expertise into all of our machines. This means you can be sure of the highest quality and the ideal square baler for every application.



Every blade is worth harvesting – no matter how small it is.



At a glance.

- Wide, controlled pick-up for loss-free crop pick-up
- Folding castor guide wheels for hassle-free transport on public roads
- Bales are particularly easy to transport and store, thanks to ROTO FEED or POWER FEEDING SYSTEMS (PFS)
- Pick-up variants for hay, silage and straw



Controlled pick-up.

The view of the pick-up from the cab is excellent, allowing the baler to move over the field quickly and smoothly. You can easily adjust the driving and baling speed to suit the harvesting conditions. The result is optimum throughput and efficiency.

Thanks to the wide pick-up, the QUADRANT 5300, 5200 and 4200 can even cope with very wide, irregular swaths, with no loss of valuable crop material:

- Rapid and clean intake of harvested crop via controlled pick-up
- Shock absorption by means of pressure accumulator suspension
- Suspended guide wheels for optimal ground contour following and protection of the grass cover, including at high ground speeds and when cornering
- Patented roller crop press for accelerating the crop flow in all QUADRANT models
- Short distance between the pick-up and rotor or packer for rapid crop transfer and high throughput

Folding castor guide wheels.

Transporting the QUADRANT with its 2.35-metre wide pick-up on public roads couldn't be easier. No more inconvenient disassembly – simply retract the pick-up and drive off.



ROTO FEED and POWER FEEDING SYSTEM (PFS).

The four rows of tines, ideally spaced for thorough raking, guarantee superior results in the field. The twin spring steel tines are bolted firmly to four rugged U-shaped tine bars to withstand continuous and extreme loading and provide easy servicing. The crop is funnelled to the appropriate width for entering the bale chamber via the intake augers on either side of the wide pick-up mechanism (ROTO FEED) or via the continuous POWER FEEDING SYSTEM (PFS) rollers. This produces firm bales highly compacted at the edges for excellent stability during transportation and storage.

Ready for anything.

A range of pick-up variants ensures a neatly collected crop – regardless of whether it's short hay, wet silage or straw:

- Pick-up with double-roller crop press
- Pick-up with double-roller crop press and POWER FEEDING SYSTEM (PFS)
- Hydraulic pick-up with PFS and infinitely variable speeds, adjustable from the cab, and reversing function

QUADRANT	5300	5200	4200
Hydraulic pick-up	□	□	□
Pick-up width	m 2.35	2.35	2.35
DIN rake width	m 2.15	2.15	2.15
Folding castor guide wheels	□	□	□

□ Available – Unavailable

We simply can't get enough.



Transverse feed auger.

The continuous transverse feed auger, cushioned by shock absorbers and with large pitch and aggressive paddles, delivers the harvested crop far down into the rotor. In the process, the crop flow is effectively evened out and accelerated in its delivery to the rotor.

POWER FEEDING SYSTEM (PFS).

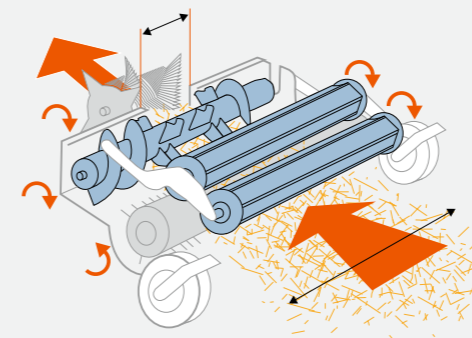
The wider stars reduce the distance to the knife, further enhance the cutting quality, and give maximum durability and working life. The unique combination of roller crop press and actively powered, continuous-feed intake auger makes your work easier.

The QUADRANT can even process large uneven swaths.

- Capacity for high per-hour throughput
- Enables high ground speeds
- Crop flow homogenised and accelerated
- Suitable for all swaths
- High throughput, thanks to 20 percent increased protection from the PFS overload clutch
- Variable speed adjustment with the intake via hydraulically operated pick-up, PFS and rear roller crop press

At a glance.

- Transverse feed auger for increased and more uniform crop flow
- Work faster and better, with more even crop flow: the POWER FEEDING SYSTEM (PFS)
- Enormous intake capacity even when processing large, non-uniform swaths



QUADRANT	5300	5200	4200
PFS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Available - Unavailable

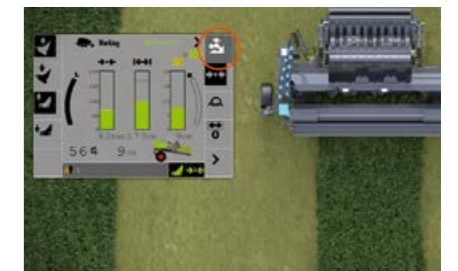
Our intake capacity just keeps on growing.



Pick-up, PFS and roller crop press ensure an optimum crop flow



The hydraulic feeder unit is easily adjusted from the driver's seat



The pick-up, PFS and rear roller crop press can be conveniently reversed from the cab

Hydraulic feeder unit.

For the QUADRANT 5300, 5200 and 4200, CLAAS offers a hydraulically operated feed system. In this case, the rear roller crop press, the POWER FEEDING SYSTEM (PFS) and the pick-up are hydraulically operated, with adjustable and reversible speeds.

The benefits of a hydraulic feed system are clear to see:

- Individual adjustment to harvest crop conditions for greater forage protection
- Greater adaptability to field conditions
- Optimised crop flow
- Reverse control from the cab, for maximum user-friendliness

The hydraulic drive enables the driver to adjust and optimise the crop flow according to the conditions.

Maximising the feed rate for an optimum crop flow is the priority for most harvest crops, but for lucerne ultra-gentle handling is paramount. The hydraulic feed system therefore enables the driver to take this into account and directly enhance the feed crop quality.

Variable speed adjustment.

Variable speed adjustment allows rotor filling to be optimised via the POWER FEEDING SYSTEM (PFS). The hydraulic PFS is more flexible than the mechanical version and is better able to handle a variety of different crops.

Convenient reversing option controlled from the driver's seat.

The driver can also clear any blockages via the control terminal, from the comfort of the cab. This makes the task easier and less stressful.

At a glance.

- Hydraulically controlled intake: convenient, flexible and protects the forage
- Variable speed adjustment
- High levels of comfort: convenient reversing option controlled from the control terminal

QUADRANT	5300	5200	4200
Hydraulic feeder unit	□	□	□

□ Available – Unavailable

Sometimes a gentle touch is called for.



ROTO FEED – rotor technology with no cutting required.

Innovative arrangement of rotor blades protects the crop.

QUADRANT stands for continuous rotating intake even without the cutting system. The high rotation speed ensures an outstanding throughput and high area outputs. Thanks to a uniform intake and active delivery to the prechamber, the QUADRANT produces sharp-edged, evenly proportioned and perfectly compacted bales.

The large 500-mm diameter rotor and the spiral-shaped arrangement of the four-arm rotor blades protect the crop extremely well:

- Uniform intake
- High throughput
- Low power requirement and low dust accumulation
- Suitability for delicate forage types such as lucerne
- High standard of crop protection and excellent forage quality, thanks to the innovative arrangement of the rotor blades
- POWER FEEDING SYSTEM (PFS) available in all models

High dead weight.

The high dead weight of the rotor keeps the mechanism running extremely smoothly. Owing to the rotor's large mass, the rotor speed remains constant even in uneven swaths, reducing the load transmitted to the tractor drive.

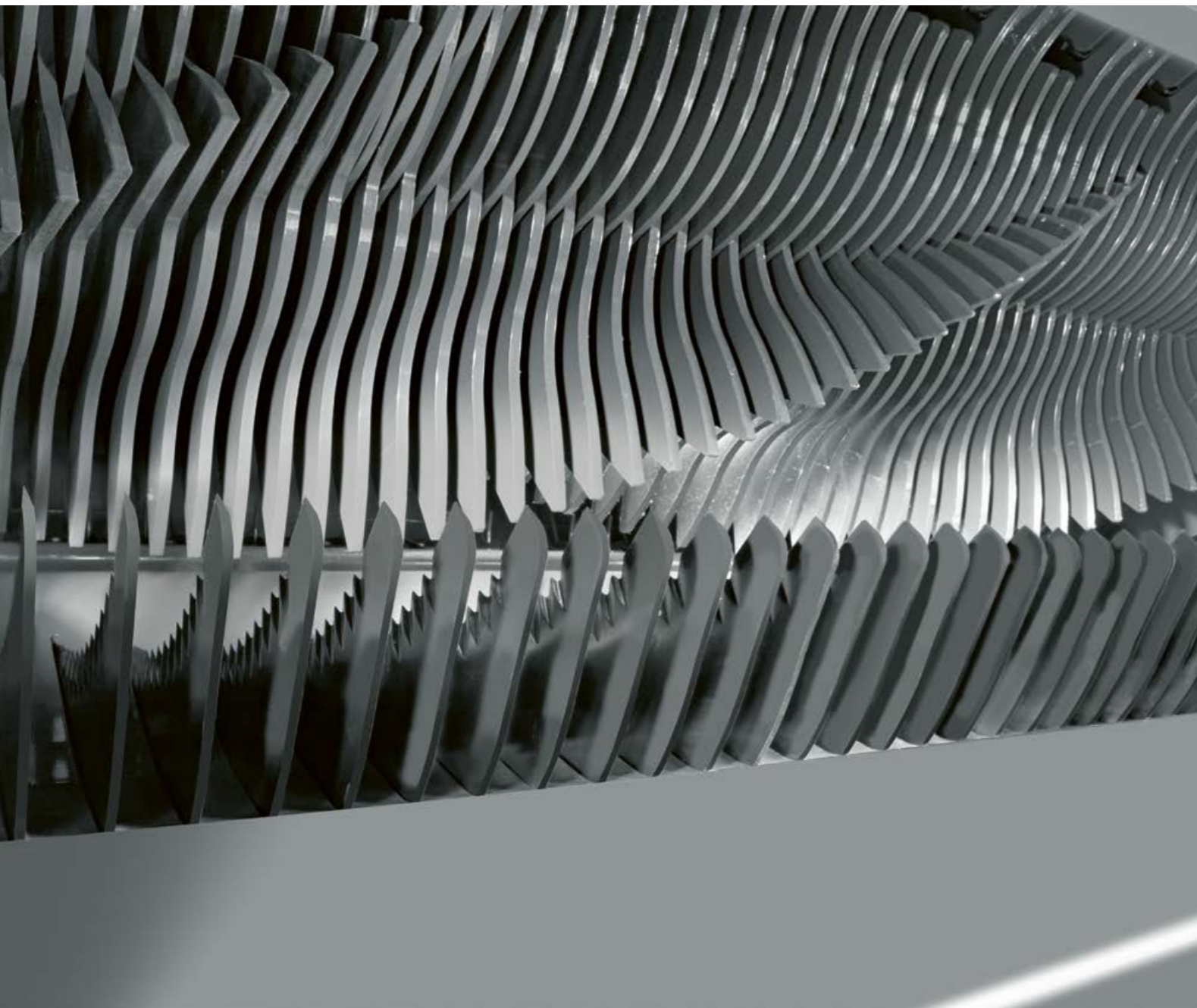
At a glance.

- Outstanding throughput and high area outputs: ROTO FEED with feed rotor
- High rotor weight for smooth running
- Innovative arrangement of rotor blades helps protect delicate crops such as lucerne

QUADRANT		5300	5200	4200
ROTO FEED		□	□	□
Diameter	m	0.5	0.5	0.5
Width	m	1.2	1.2	1.2

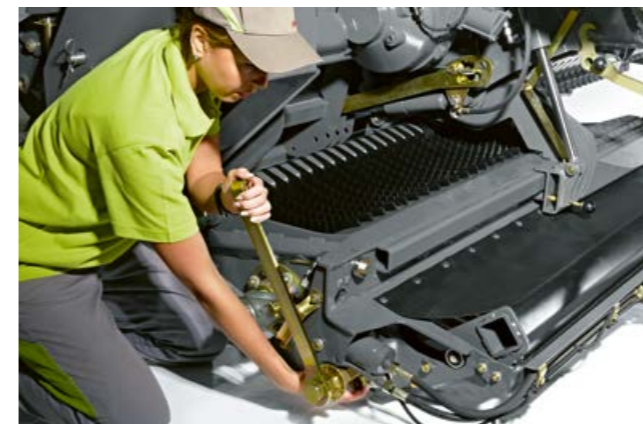
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One of the benefits of tasty silage is an increase in your milk yield.



At a glance.

- Top silage quality with optimal lactic acid fermentation, thanks to ROTO CUT
- Greater compaction and easier breakdown of the silage
- Controllable knife group activation means the right knife for every application
- Fewer blockages, thanks to the hydraulic cutting frame



Optimal silage quality with ROTO CUT.

Energy-rich and tasty silage with proper lactic acid fermentation is crucial for high milk production in the dairy herd. The three essential ingredients are a short length of cut, high baling pressure and the exclusion of oxygen. With 18,000 cuts per minute, the CLAAS ROTO CUT is currently one of the systems with the highest cutting frequency on the market, enabling lengths of cut of 45 mm with excellent cutting quality.

Benefits of ROTO CUT: more cuts per minute.

- Less time spent mixing in the feed mixer
- Better forage quality
- Less feed residue

25 knives for top forage quality.

The 25-blade cutting rotor works precisely, quickly and efficiently, ensuring a top-quality feed product. Since the crop is cut short and precisely into small lengths, it can be compacted more densely and later broken down much more easily.

Knife group activation allows you to react flexibly to the requirements of the job at hand. The knife groups can be pre-selected on the machine and extended or retracted via the control panel.

The complete cutting system at a glance:

- Massive 25-blade cutting rotor made of double-hardened boron steel
- Four rows of tines for optimum crop intake
- Aggressive knives with extremely long blades for especially good cutting quality
- Precise knife guidance through the spirally arranged dual tines
- Individual blade protection
- Flat, power-saving cutting angle

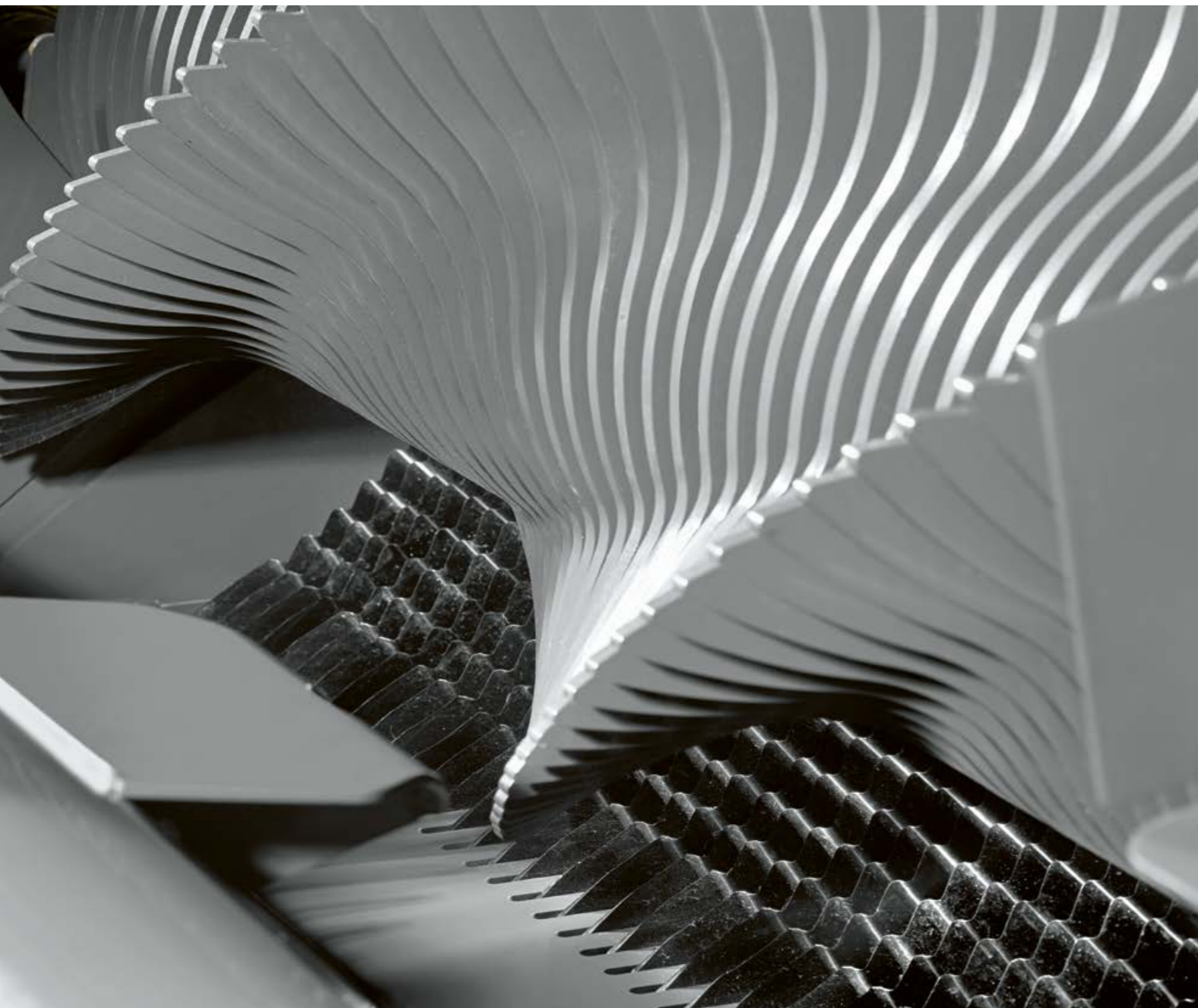
Two hydraulic knife guards with an overload valve ensure that you don't overload the QUADRANT in the event of a blockage. If excess pressure builds up, the knives move down automatically and spring back into position by themselves.

Safe and secure: the hydraulic cutting frame.

Thanks to the automatically lowerable floor, blockages can be easily removed from the comfort of the cab. This is a feature that is unique to CLAAS square balers. The hydraulically operated cutting frame is designed to lower in the case of overload and enables the rotor to restart by itself. This feature also allows easy access to the knives.

QUADRANT	5300	5200	4200
Number of tine rows	4	4	4
Knife group activation	25, 13, 12, 6, 0	25, 13, 12, 6, 0	25, 13, 12, 6, 0
Drop floor	Automatic	Automatic	Automatic

□ Available – Unavailable



FINE CUT – hardly a stalk longer than 22 mm.

Happy animals produce better yields. For example, there is a marked increase in the rumen action of animals fed a mixture of short straw and silage. And it's hard to find a better bedding material than short straw. It's almost entirely dust-free, since the cutting action prevents dust from getting in. Furthermore, short straw is increasingly being added to the feed mixer. FINE CUT straw breaks down easily, with no pre-mixing required, and it mixes directly with the added silage. The new knife group activation options, with a choice of 51, 26, 25, 13, 12 or 0 knives, allow for greater flexibility and better cutting quality.

The benefits:

- Significantly better crop intake
- Reduced waste
- Stimulation of rumen action
- Increase of overall crop intake
- Cuts the time for replacement of food residues and cleaning of feeding stations

A fine cut – for optimum bedding quality.

A clean and precise cut is ideal for good livestock practice:

- Easily mixable, less power required for distribution, does not split apart
- Far fewer losses in poultry rearing, as the chickens don't eat the straw
- Provides excellent structure in livestock feed
- Less time spent mixing in the feed mixer



Premiere: the new knife group activation system.

The FINE CUT cutting system successfully used on the QUADRANT 3200 is now also available on the QUADRANT 5200. This second-generation FINE CUT system with a 51-knife cutting trough introduces a whole new dimension of cut-straw quality. The new knife group activation options bring many benefits: more effective cutting, optimal time-saving, less maintenance and less wear. For example, you can be cutting with 26 knives, while the 25-knife group remains protected in the cutting trough. As soon as the 26-knife group needs sharpening, you can swap it immediately for the 25-knife group. The knives that have just been removed can now be sharpened and work continues without interruption.

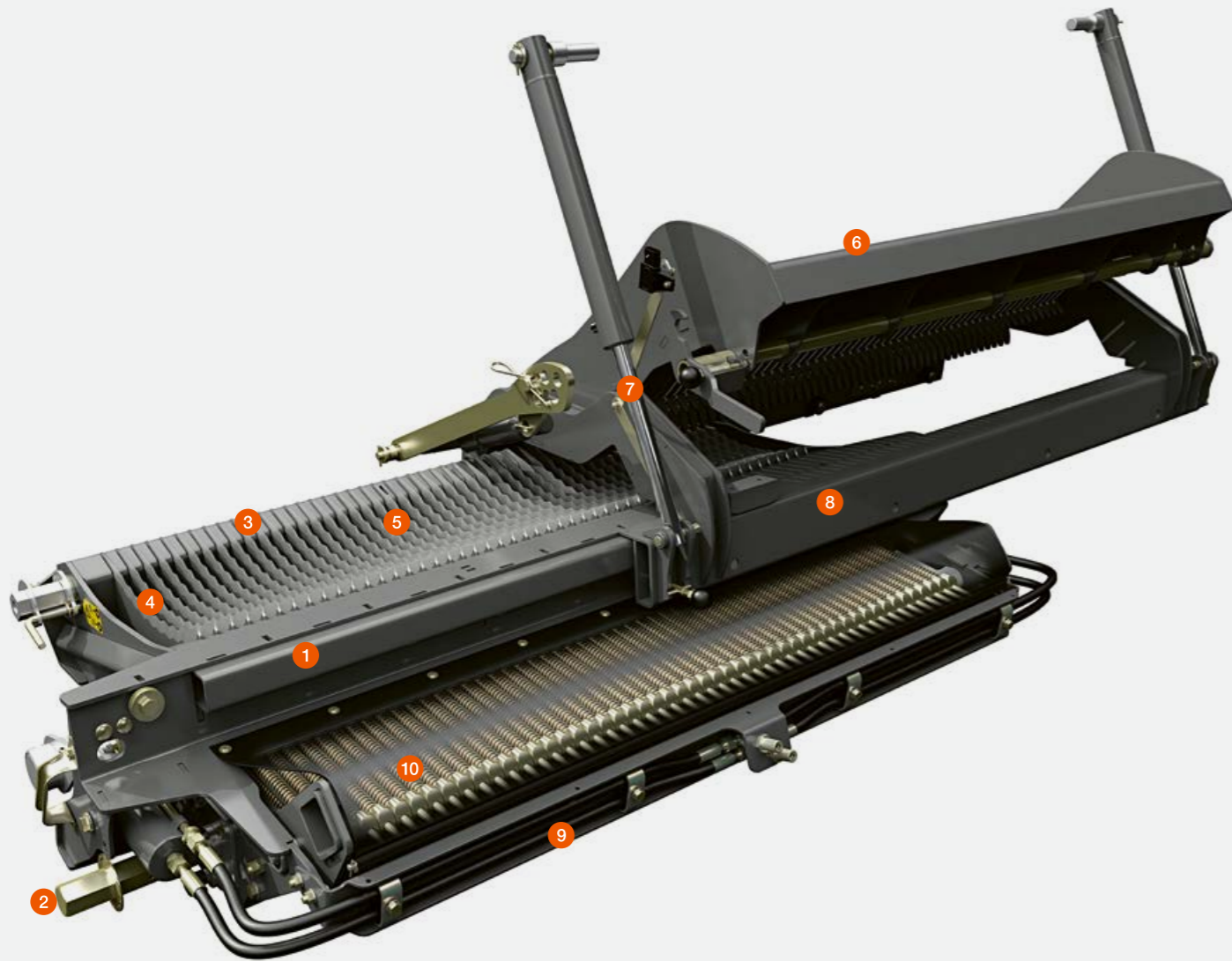
At a glance.

- High forage quality with FINE CUT
- Good livestock practice: a fine cut for optimum bedding quality
- New knife group activation means less maintenance and saves time

QUADRANT	5300	5200	4200
FINE CUT	□	□	-
Knife group activation 1	51, 26, 13, 12, 0	51, 26, 13, 12, 0	-
Knife group activation 2	51, 26, 25, 13, 0	51, 26, 25, 13, 0	-

□ Available - Unavailable

The CLAAS knife drawer – what you use frequently should always be on hand.



Ten benefits of the CLAAS drawer system:

- 1 A total of twelve protected, dirt-proof, smooth-glide bearings for extracting the knife drawer
- 2 Knife group activation for RC | FC operable via a simple lever for a theoretical length of cut of 90, 45 or 22 mm
- 3 Optimal knife shape for perfect cutting quality
- 4 Exclusive: automatic knife cleaning
- 5 Blind knife set available for RC and FC
- 6 Automatic function for convenient lowering and closing of knife drawer
- 7 Convenient operation of CLAAS drawer system directly from the baler
- 8 100% accessibility, thanks to two-sided pullout
- 9 Exclusive: the cutting frame automatically lowers hydraulically in the event of blockage
- 10 Individual blade protection with two springs per knife

Convenient: the knife drawer.

The CLAAS knife drawer for ROTO CUT and FINE CUT simplifies maintenance routines.

Quick, convenient and safe:

- Operation via the tractor control panel or directly via buttons on the side of the baler
- Automatic function: knives swing in and out to eliminate dirt from the knife slots of the cutting trough
- Automatic and therefore consistently accurate positioning of drawer for easy extraction at each side

Well-protected knives cut better.

The knives in the knife drawer are optimally protected against dirt accumulation. A total of 12 bearings allow the drawer to be pulled out smoothly and easily. To prevent twisting upon extraction, the knife drawer slides out by only two-thirds at either side. After replacing the knives on one side, the drawer is simply slid to the opposite side to replace the remainder.

Unique: the knife drawer is combined with the cutting trough, which, as before, can be lowered automatically in the event of a rotor blockage.

QUADRANT	5300	5200	4200
Knife drawer	<input type="checkbox"/> (RC/FC)	<input type="checkbox"/> (RC/FC)	<input type="checkbox"/> RC

Available

At a glance.

- The QUADRANT 4200 now also has an easily accessible knife drawer
- Maximum reliability and service life, thanks to well protected knives

"The time required to change the knives has been cut from one hour to just 15 minutes, and the maintenance time as a whole is significantly less."

Albert Steyns, contractor, Lontzen, Belgium



Short cuts to keeping your animals healthy and happy.



The finest forage quality with SPECIAL CUT.

Cut short straw is enormously absorbent, making it the ideal bedding for dairy cattle cubicles, pigsties and horse boxes. The high absorptive capacity keeps the animals clean and reduces straw consumption. Clean udders are also an important part of dairy hygiene – and the milking process goes faster. Cut straw can be mixed well with maize-rich rations. The animals are not selective, and they eat up all of the forage ration.



The SPECIAL CUT chopper.

The SPECIAL CUT chopper blows the straw into the rotor along a direct route beneath the auger of the POWER FEEDING SYSTEM (PFS) – no swirling up or material congestion. This helps prevent dust accumulation and boosts the throughput volume for maximum operational reliability.

High bale density means stable bales.

Cut straw also allows for optimal handling in large square bales. For transporting, the high bale density and precise bale shape ensure the bales remain stable even when relocated multiple times. Significantly higher weights per bale ensure fewer bales per hectare, reducing handling requirements.

At a glance.

- SPECIAL CUT: Short-cut straw is the ideal bedding for barn-raised animals
- Increased throughput, improved reliability: the chopper
- Efficient baling with or without chopper – with ground clearance of more than 500 mm
- High bale density and precise bale shape ensure transport-stable square bales

Think inner qualities can't be seen?
Take a closer look.

Prechamber, packer, bale chamber.

Often, it is precisely the things you don't see that make all the difference. This is also true for our balers. The following pages bring these differences to light: innovative, technically sophisticated solutions that ensure that your work runs smoothly.



Is the pressure getting too much? We can help keep it under control.



Unique to CLAAS: the hydraulically adjustable prechamber.

Depending on the consistency of the crop and swath size, the prechamber pressure can be selected from three available options via the ISOBUS control terminal, allowing the machine to be utilised at maximum output at all times. Regardless of the swath and crop conditions you come across, you can bring everything under control with the adjustable, hydraulically actuated prechamber.

Unique crop flow concept.

An even crop transport from the rotor to the packer and the adjustable prechamber ensures homogeneous filling of the chamber with all crop types, whether straw, hay or silage. The result is firm, well-shaped and conveniently storable bales with maximum throughput and a cutting performance that speaks volumes.

At a glance.

- Exclusive to CLAAS: the prechamber can be adjusted from the comfort of the cab
- Even filling of the chamber for all crop types: the CLAAS crop flow concept
- Perfect bale shape with a consistent density: the hydraulic packer control is impressive whatever the conditions
- Safe and reliable: the packer and rotor are protected via a clutch

Hydraulic packer control.

For large swaths, the QUADRANT produces bales without the prechamber. In all other cases, you can activate the hydraulic and wear-free packer control effortlessly from the cab.

Three different settings ensure optimal compaction in all conditions. Whether the machine is configured for medium or small swaths, each bale is always optimally filled and the harvested crop is forced into the chamber in a single stroke. The result is a perfect bale shape with even compaction, even when baling irregular or small swaths.

Only from CLAAS: equipped with two paddle shafts and sensors, the QUADRANT gathers the harvested crop until the prechamber is optimally filled.



Adjustable prechamber control.

The prechamber can be adjusted from the comfort of the cab, so that you can be sure of the best results, no matter what the crop type or volume.

QUADRANT	5300	5200	4200
Adjustable hydraulic prechamber	<input type="checkbox"/>	<input type="checkbox"/>	–
Fixed-cycle prechamber	–	–	<input type="checkbox"/>

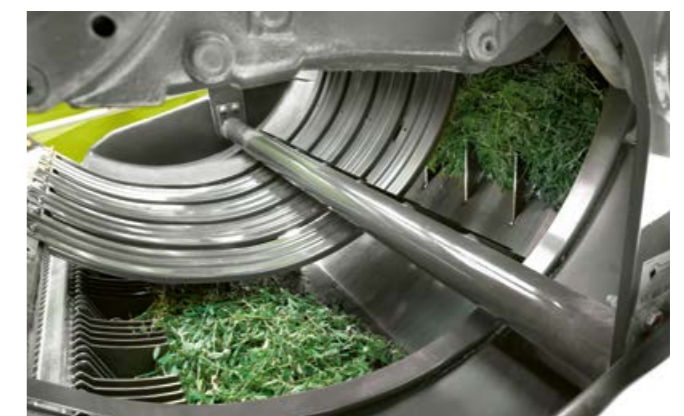
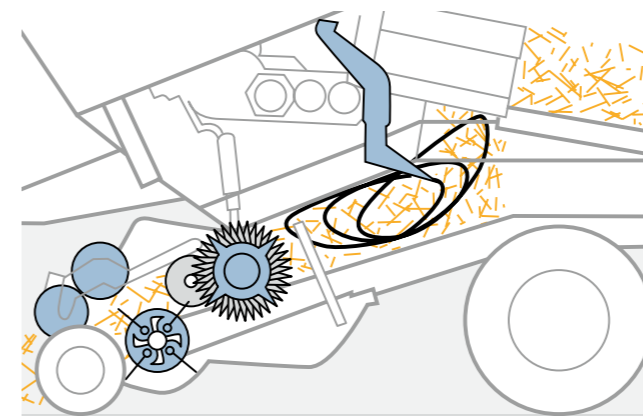
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Reliable protection of the packer and rotor.

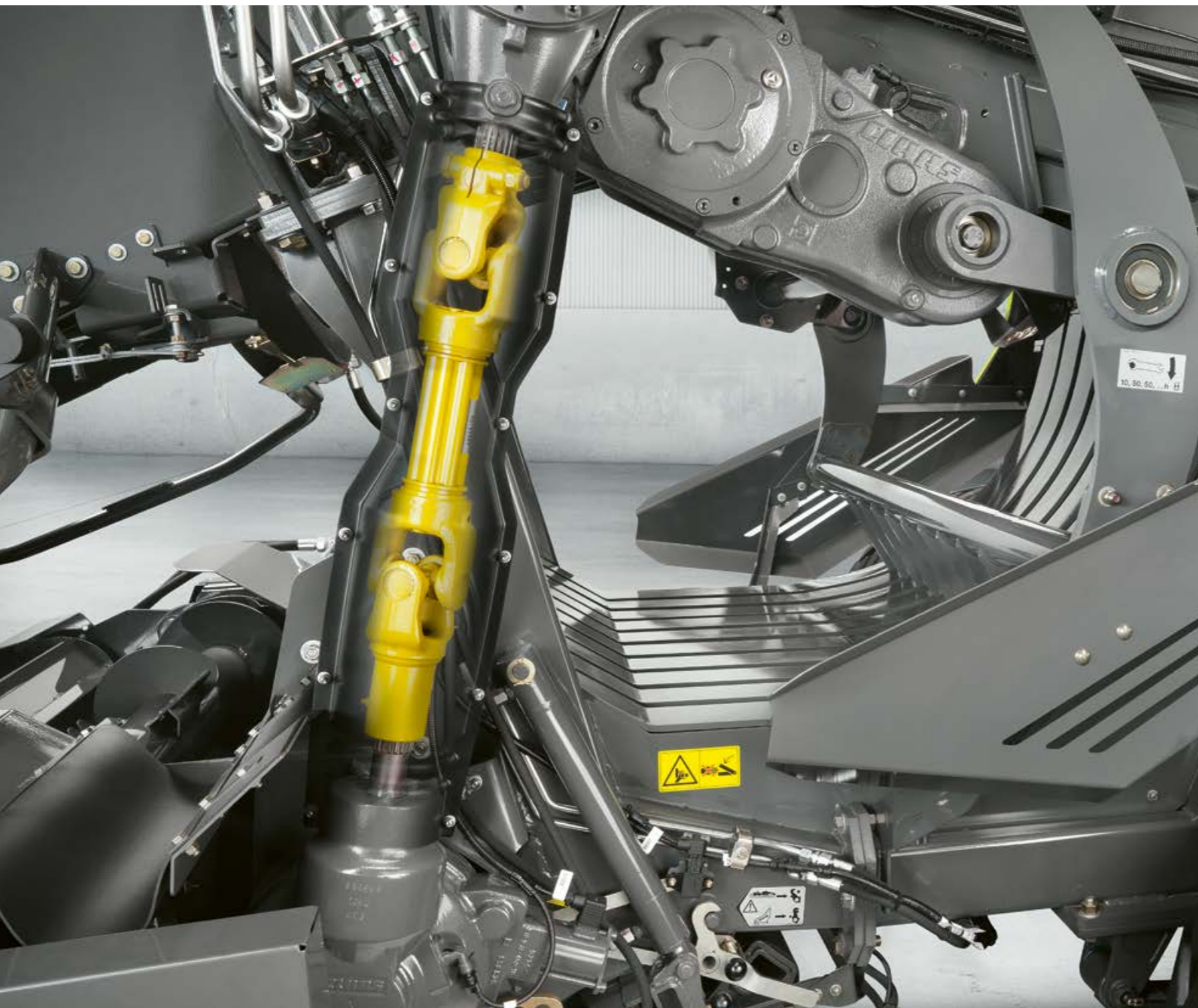
Push your QUADRANT to the limit. The packer and rotor are protected via a clutch. If the packer is blocked, the rotor stops automatically. Additionally, you are kept informed about packer loads via the ISOBUS control terminal, enabling you to prevent a potential overload ahead of time. This means you'll never be able to drive the QUADRANT to a standstill. New in the QUADRANT 5300 and 5200: packer clutch protection set 30% higher for performance peaks.

Automatic prechamber.

The CLAAS packer on the QUADRANT 4200 does an excellent job. The forage is transported and processed at high throughput with effective protection of the leaf material in 3:1 mode.



When everything is secure,
work goes without a hitch.



Dependable drive concept.

QUADRANT balers have impressed operators for years in daily operations with their absolutely reliable drive design. Clearly arranged and easily accessible components ensure high efficiency and a long service life. The design ensures outstanding efficiency by transmitting all power along short, straight lines using a very large flywheel. Lowest possible energy consumption per tonne of crop is reflected in lower fuel bills.

Intelligent safety technology.

Superior safety technology ensures fault-free operation. The cleverly designed drive of the packer, needles and knotters via the shafts and transmission offers dependable peak performance. An overload clutch in the main transmission effectively protects the baler against damage caused by foreign objects.

Overload clutch protects machine from jamming.

The packer and rotor are fitted with separate automatic overload protection devices. Whenever the packer clutch engages, the rotor clutch is disconnected automatically. All overload clutches automatically re-engage when the PTO speed is brought back down. You'll never need to leave the driver's seat in the event of a blockage. If required, the cutting frame can be lowered via the tractor hydraulics. This means the QUADRANT will never be driven to a standstill. You can

quickly clear any blockages from the comfort of the tractor seat.

The packer is effectively protected with an additional tailor-made safety clutch, so that the machine will never get jammed. In the new QUADRANT 5300 and 5200, the high baler throughput is protected with a 30% stronger clutch. High performance is assured by a torque increase of 26%.

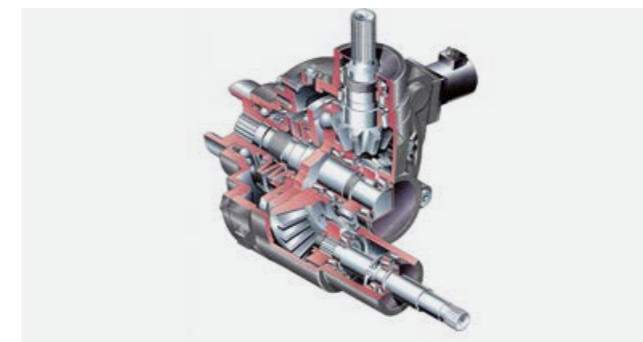
Outstanding features that have been setting the standard for years:

- High speeds and low torque
- Maintenance-free drives and clutches operating in an oil bath
- Maintenance-free packer drive with hydraulically adjustable prechamber
- Divided power flow: baling rams, packer, pick-up and rotors are powered separately
- Minimum number of moving parts

Ram loading is electronically monitored. If an overload occurs, it is compensated by the hydraulic pressure control to protect the baling unit. The driver is informed via the display and baling pressure is automatically built up again.

At a glance.

- Extremely reliable, thanks to enhanced drive concept
- Fault-free operation: Intelligent safety technology for maximum performance without interruption
- Special protection to prevent machine from jamming



Maintenance-free safety: high-quality overload couplings with oil bath lubrication protect the QUADRANT against overload



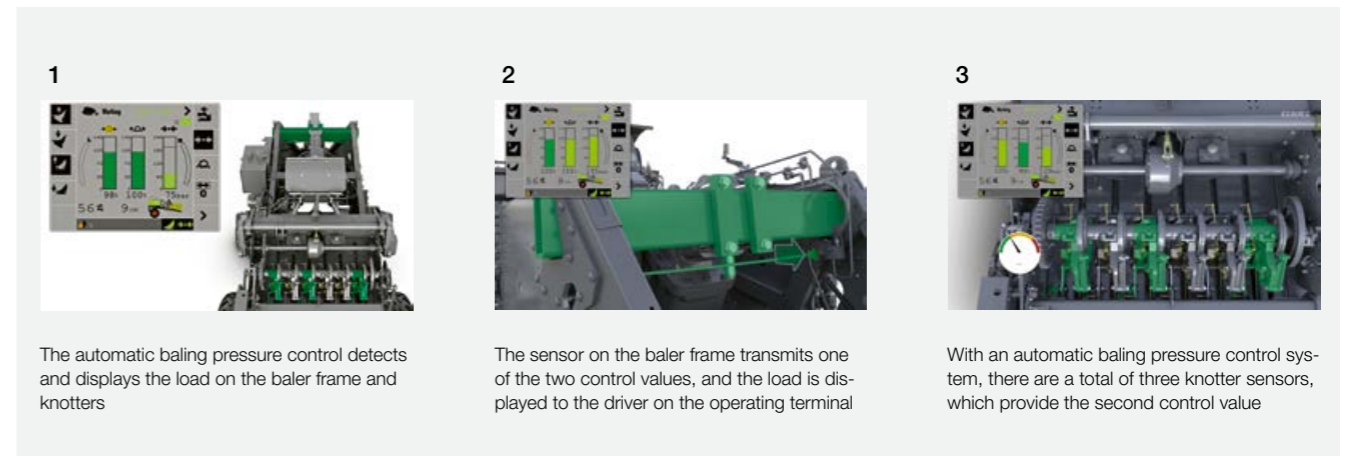
Two oil pumps supply hydraulic oil to the input transmission and the TURBO FAN knotter cleaning system

A must-have in the field – consistent bale pressure.



At a glance.

- Only from CLAAS: automatic baling pressure control for consistently uniform bale density and high operating comfort
- Simple operation: even inexperienced drivers can achieve optimal results using the pre-set values for automatic baling
- More baling options: optional knotter monitoring



New and only from CLAAS: automatic baling pressure control.

There are many baling pressure control systems on the market – but only CLAAS offers an automatic control system for baling pressure. The distinctive feature here is that baling pressure is controlled not just by the load on the main frame, but also the twine tension.

As the driver, you have a clear view of the load limits at all times, with no need to intervene directly. The optimum baling pressure is set completely by the machine, according to the crop and twine quality.

The benefits are self-evident:

- Consistently high bale density, even when operating at the limit capacity of the machine and the twine
- The bales produced throughout the day are uniform and bale density is consistent
- Optimal driver comfort: simple to operate and easy to handle, which is particularly helpful for inexperienced baler drivers
- Reliable tying through adjustment to twine quality

Simple operation, maximum results.

The control variables for automatic baling are the load on the baler frame and the twine tension. With automatic baling pressure control, even an inexperienced baler driver has no problem in operating the machine at maximum capacity, hour after hour. The first step is to enter the maximum baling density in the menu, according to the crop and twine quantity. The machine then calculates the load limit on the basis of these values.

More options with knotter monitoring.

With a further three knotter sensors, automatic baling pressure control can be extended into a knotter monitoring system, measuring the tension of all knotters. A message is displayed to the driver whenever there is no tension at one of the knotters. Another knotter monitoring feature is a left-right display, helping to ensure that the driver keeps producing ideally shaped bales under all operating conditions.

How do we respond to pressure?
Hard and fast.



At a glance.

- Better bale shape and higher tonnages per hour, thanks to redesigned bale chamber
- New chamber concept for optimal bale density and reliable tying



Improved bale shape – rock-hard bales all the way.

The new QUADRANT generation balers enable you to bale more bulk. The shape and length of the bale chamber in the QUADRANT 5300 and 5200 have been modified to achieve a better bale shape and higher density. You bale more kilograms per cubic metre and achieve higher tonnages per hour. The extension at the end of the bale chamber allows the bale space to lengthen gradually as the twine tension is slowly increased. This reduces the risk of twine breakage to an absolute minimum.



As a professional, you'll appreciate the redesigned bale chamber:

- Better bale shape, thanks to several retainers in the bale chamber and the new channel side shape
- New side retainers for higher density
- Longer 3.85-m chamber in the QUADRANT 5300 and 5200
- Reliable tying with less bale expansion through the open side panels of the bale chamber



The new chamber concept for high density.

The new, strengthened octagon on the QUADRANT 5300, 5200 and 4200 means increased bale density. The new baling ram design makes for even sharper-cornered bales. With the side retainers, the new upper baling flap and the new side panels, all bales reach their maximum density level, with uniform length and bale expansion on the same side, resulting in more reliable tying on ejection.

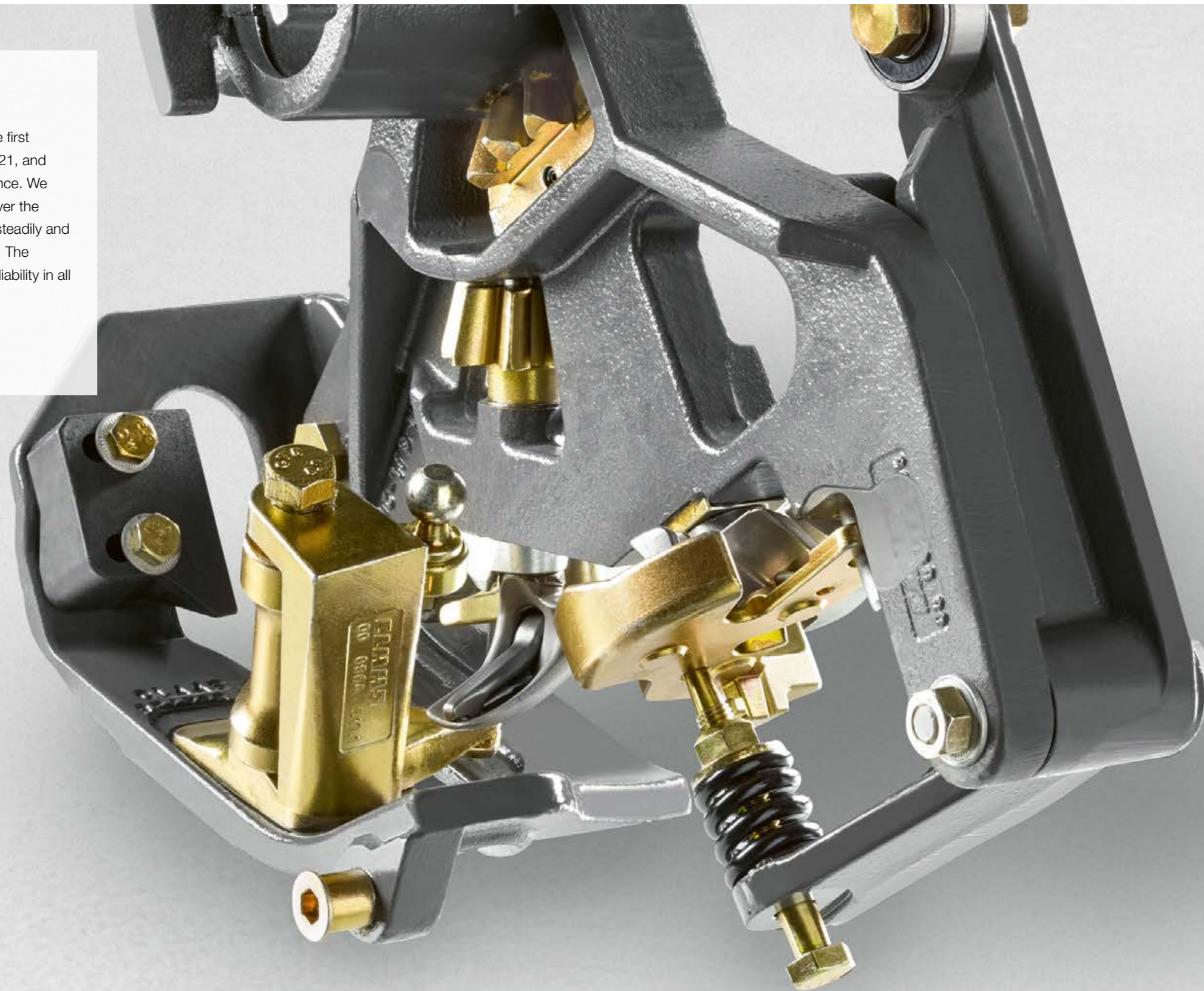
In short, the new QUADRANT 5300, 5200 and 4200 machines produce uniformly high-density bales with optimum mass per cubic metre.

QUADRANT		5300	5200	4200
Bale chamber length	m	3.85	3.85	3.45
Bale chamber width	m	1.2	1.2	1.2
Bale chamber height	m	0.9	0.7	0.7

□ Available – Unavailable

The knotter hook.

Almost legendary: the knotter hook was the first CLAAS product to be patented, back in 1921, and more than a million have been produced since. We have developed our knotter continuously over the years, as baling pressures have increased steadily and our customers demand more secure knots. The CLAAS knotter ensures functionality and reliability in all conditions and with any type of twine.

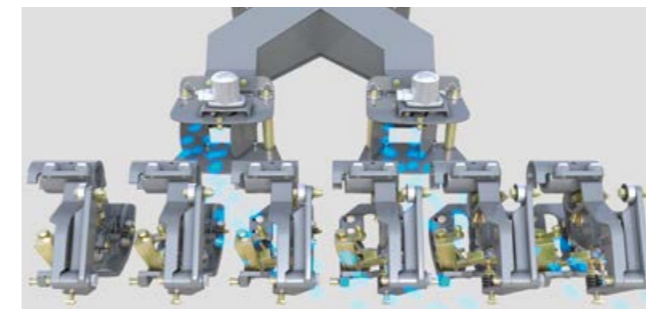


We're totally committed to our work – and, of course, to you.



At a glance.

- Quick, precise, reliable: the CLAAS knotter
- Safe and clean: knotting with no twine residue with the new knotter blower
- Economical, strong and wear-resistant: the CLAAS baling twine



The CLAAS knotter.

CLAAS balers just would not be the same without the legendary CLAAS knotter. Today, CLAAS remains the only agricultural machinery manufacturer worldwide to develop and manufacture its own knotters. The operating principle is direct drive via universal drive shaft. The result is high speed operation, razor-sharp precision and total reliability.

The new knotter blower.

The knotter concept with active twine pusher, aggressive clamping plate and electromechanical twine start enhances tying reliability under all conditions. The direct drive ensures constant synchronisation between the baling ram and needles. Synchronisation prevents the needles from colliding with the pistons. On the QUADRANT 5300, with its bale heights of 90 cm, the needles are arranged eccentrically. This means there is more time for the most important part of the process – tying the knot.

A further advantage: the knotters do not produce dangerous twine remnants that can cause animal fatalities during feeding or leave residues when the material is used for power genera-



tion. The hydraulically driven TURBO FAN system with its active airflow protects the knotter from dust and dirt, with a powerful and constant 140-km/h airflow and air diffusers.

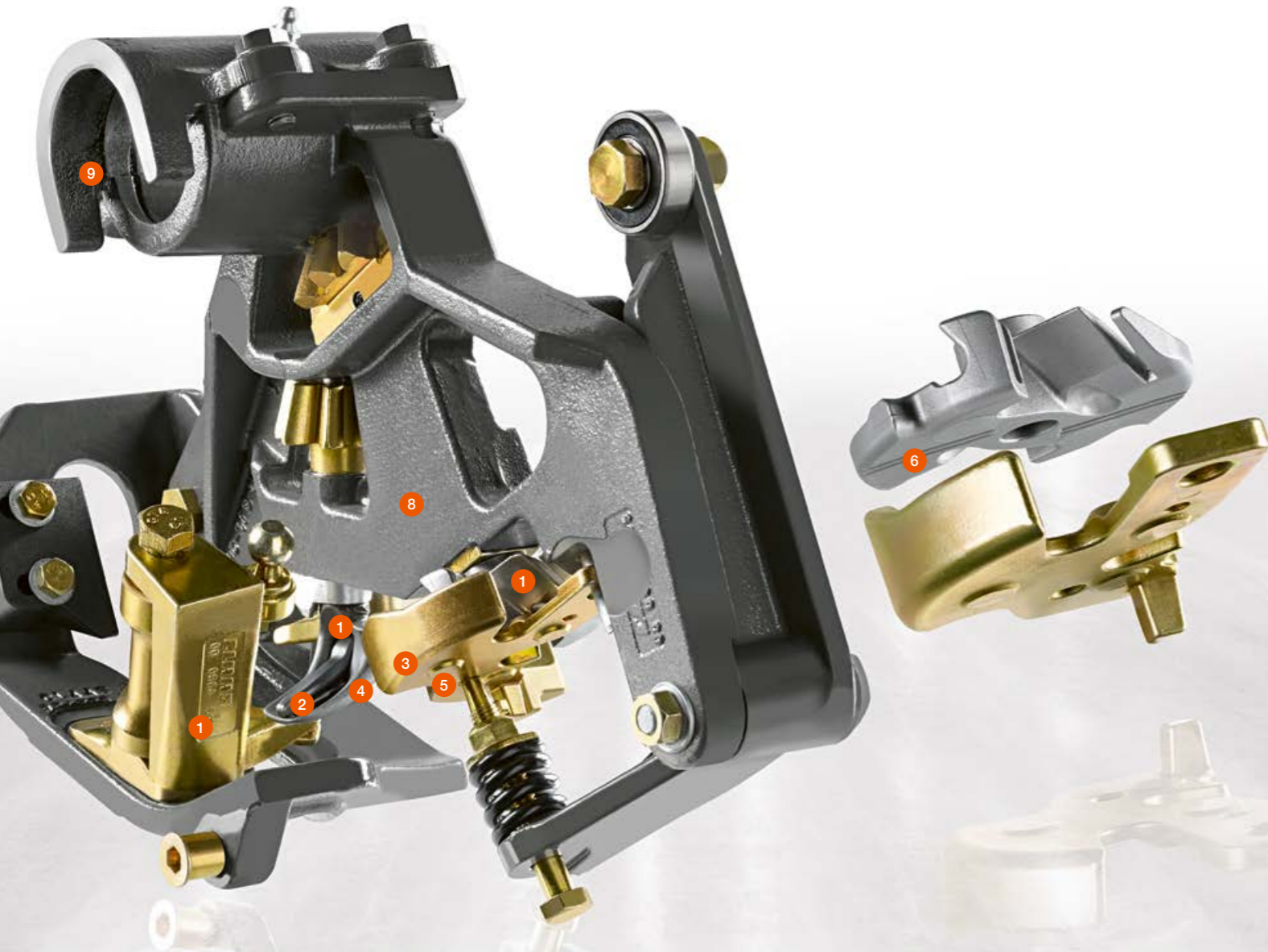
Tying bales more cost-effectively: CLAAS quality twine.

CLAAS baling twine is specifically designed for CLAAS knotters. The twine is highly tear-resistant, and at the same time sufficiently flexible to minimise wear to the knotter. With each new refilling, four twine spools per knotter can be tied together without having to alternate between them, which saves time. The result is an intelligent balance of high knot strength and cost-effective run length. The large twine box stores 24 x 11.5-kg rolls – enough for a full working day. And when night starts to draw in, bright work lights placed by the twine guides and knotters keep everything well lit.

QUADRANT	5300	5200	4200
Number of knotters	6	6	6
TURBO FAN knotter cleaning system	With air diffuser	With air diffuser	With air diffuser
Twine box capacity	24 x 11.5 kg	24 x 11.5 kg	24 x 11.5 kg

□ Available – Unavailable

If you take the lead, you're bound to succeed.

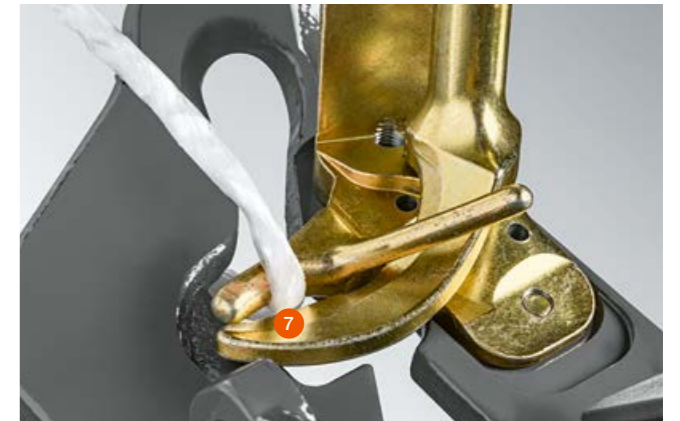


Long service life for knotter technology.

The knotter hook, twine retainer wheel and retaining plate are subjected to a heating process during their manufacture to ensure maximum wear resistance and a long service life.

The new functions at a glance.

- 1 Larger opening in the knotter hook creates more insertion space and more reliable threading of the twine
- 2 Tapered and therefore more wear-resistant knotter tongue redesigned for easier knot execution
- 3 New twine retaining plate and twine retainer wheel to secure the twine firmly during the tying process for even higher bale density
- 4 New cam section for improved twine guidance
- 5 New twine retaining plate to handle thicker tying material
- 6 New twine guide path design for easier twine insertion
- 7 Closed twine applicator for reliable guidance
- 8 Error-free insertion of the twine into the knotter, thanks to the wider angle between the knotter hook and twine retainer wheel (7.6°) – this means longer twine ends, and hence a better knot
- 9 Swivelling knotter with quick-release mounting for ease of maintenance



The improved knotter hook.

The knotter hook has been significantly further enhanced in the new QUADRANT 5300, 5200 and 4200 with stronger material and reworked geometry. This ensures operational reliability for all types of twine in all operating conditions.

NEW: Knotter monitoring system.

The automatic baling pressure control ensures total tying reliability. There are sensors on the knotter to monitor the twine tension, and sensors on the front frame to measure the bending forces. The system adjusts the baling pressure automatically according to the load. That means you can operate the baler right up to the limit, without the twine breaking. But if a breakage does occur, this is displayed by the knotter monitoring system. The knotter sensors also detect when a fresh supply of twine is needed, and a message is displayed on the terminal.

At a glance.

- Hard-wearing: knotter technology from CLAAS
- Enhanced functions: e.g. eccentric needle control on the QUADRANT 5300
- Ready for the task whatever the conditions: the optimised knotter hook
- NEW: Total tying reliability day-in, day-out with knotter monitoring



The general concept of single knotting has not changed since 1921, but continual improvements have been made to better meet our customers' needs

QUADRANT	5300	5200	4200
NEW: The new CLAAS knotter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NEW: Automatic baling pressure control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NEW: Knotter monitoring system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Available – Unavailable

Need to watch your weight? No problem!



Integrated bale weighing system.

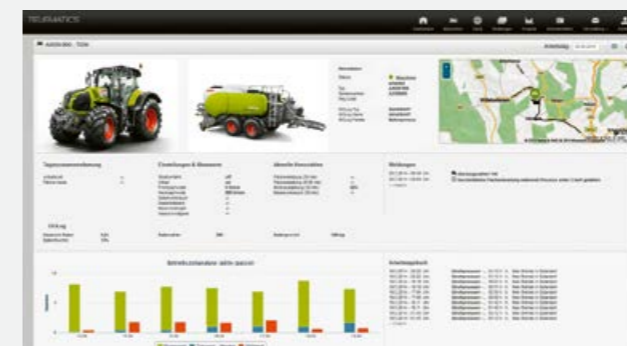
A long bale chamber, high ram frequency and automatic baling pressure control ensure high compression on the QUADRANT series under all conditions. You can now also easily set the weight for your finished bales: four sensors measure the weight with a high level of precision right on the bale ramp. This gives contractors and farm owners alike an overview of how many tonnes of bales have been produced for a particular area. It also means that, where required, they can invoice fairly based on the number of tonnes, in a way that is transparent for both parties.

The possibilities of data transfer.

With the new bale weighing system, the exact bale weight is displayed on the terminal during working, and is saved to the customer order. Once saved, the weights of individual bales can be called up anywhere via TELEMATICS and undergo further processing. Task management can also be used for invoicing purposes.

At a glance.

- Bale weighing system available for all QUADRANT models
- All important data, e.g. weight, can be accessed via TELEMATICS on IMPLEMENT (TONI) or task management
- Improve operating times, support the operator, optimise costs – all with remote access



QUADRANT	5300	5200	4200
Bale weighing system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Available – Unavailable

What should hard work be like?
Easy as child's play.

Machine operation using the new CEMIS 700 terminal.

However much you enjoy your work, it shouldn't fill every hour of every day. So every day we do our best to ease your workload, with good ideas, robust equipment and innovative technology. User-friendly, convenient operation is always our number one focus.



Right up close with nature –
sometimes even at the press of a button.



1 / NEW: CEMIS 700.

The new CEMIS 700 control terminal offers not only a convenient user interface and colour touch screen, but also a large display area and very high resolution. The terminal is compatible with various camera systems.

The job counter with 20 storage spaces collects valuable data on the number of bales and operating hours so you can provide greater transparency for your customers. Naturally the CEMIS 700 is ISOBUS-compatible and complies with AEF standards. The terminal replaces the COMMUNICATOR and OPERATOR.



At a glance.

- Access all the important functions directly from the driver's seat
- S10 terminal with a wide range of functions
- All QUADRANT are ISOBUS-compatible
- CEMIS 700, S 10

2 / S10 terminal.

The S10 is a CLAAS terminal for professional users. It has a large, high-resolution 10.4-inch touchscreen and features an extensive range of functions. With the S10, you can operate the steering system while at the same time controlling ISO-BUS-enabled functions and connecting up to four analogue cameras, such as the CLAAS PROFI CAM. The Function keys (auxiliaries) can of course also be assigned.



	CEMIS 700	S10
The terminal		
ISO UT	–	<input type="checkbox"/>
USB stick	–	<input type="checkbox"/>
TONI-enabled	–	<input type="checkbox"/>
Y cables	<input type="checkbox"/>	–
Printer-compatible	<input type="checkbox"/>	<input type="checkbox"/>
Touch screen	<input type="checkbox"/>	<input type="checkbox"/>
Colour screen	<input type="checkbox"/>	<input type="checkbox"/>
Settings		
8 default settings (straw, hay, etc.)	<input type="checkbox"/>	<input type="checkbox"/>
Bale length	<input type="checkbox"/>	<input type="checkbox"/>
Baling pressure	<input type="checkbox"/>	<input type="checkbox"/>
Lubrication interval	<input type="checkbox"/>	<input type="checkbox"/>
Knife position	<input type="checkbox"/>	<input type="checkbox"/>
Automatic baling pressure control	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic prechamber	<input type="checkbox"/>	<input type="checkbox"/>
PFS speed	<input type="checkbox"/>	<input type="checkbox"/>
Twine quality	<input type="checkbox"/>	<input type="checkbox"/>
Knife cleaning cycle	<input type="checkbox"/>	<input type="checkbox"/>
Information in the task menu		
Bale length	<input type="checkbox"/>	<input type="checkbox"/>
Baling pressure	<input type="checkbox"/>	<input type="checkbox"/>
Packet size	<input type="checkbox"/>	<input type="checkbox"/>
Left/right indicator	<input type="checkbox"/>	<input type="checkbox"/>
Knife position	<input type="checkbox"/>	<input type="checkbox"/>
Number of bales	<input type="checkbox"/>	<input type="checkbox"/>
Piston strokes/min	<input type="checkbox"/>	<input type="checkbox"/>
Automatic baling pressure control	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic prechamber	<input type="checkbox"/>	<input type="checkbox"/>
Moisture sensor	<input type="checkbox"/>	<input type="checkbox"/>
Weighing data	<input type="checkbox"/>	<input type="checkbox"/>
Bale deposit sensor	<input type="checkbox"/>	<input type="checkbox"/>
Bale weighing system	<input type="checkbox"/>	<input type="checkbox"/>
Customer menu		
20 customer orders	<input type="checkbox"/>	<input type="checkbox"/>

Available – Unavailable

Whatever it takes – CLAAS Service & Parts.



CLAAS Service & Parts is always there for you, 24/7.
service.claas.com



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 140,000 m². This central spare parts warehouse delivers all ORIGINAL parts quickly and reliably all over the world. This means that your local CLAAS partner can supply the right solution for your harvest or your business within a very short time.



Your local CLAAS distributor.

Wherever you are, you can count on us to always provide you with the service and the contact persons 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.



Axles and tyres.

Various axles are available for the QUADRANT with a selection of large tyres for minimal ground pressure, optimal turf protection and excellent smooth running. Both variants provide a massive footprint to minimise damaging ground pressure, even on very light or wet soil.

Reduced maintenance outlay, central lubrication.

In principle, we could skip the topic of maintenance because it simply isn't an issue for QUADRANT owners. In the QUADRANT 5300, 5200 and 4200, everything is designed either to be easy to maintain or to require no maintenance at all.

- In the QUADRANT 5300 and 5200, all key lubrication points have automatic continuous central grease lubrication as standard, while for the QUADRANT 4200 there is a choice of automatic or electrical central lubrication
- Drives and overload clutches operate in an oil bath
- The hydraulically controlled packer is entirely maintenance-free
- The drive has only a minimal number of moving parts

Exclusive to CLAAS: the steered tandem axle is also maintained via the central lubrication. With so little time wasted on maintenance on the QUADRANT 5300 and 5200, you can spend more time out in the field and the convenient service lighting turns night into day. There are normally four LED lights for driving, with another seven that can be switched on for maintenance operations.

At a glance.

- Large tyres mean minimal ground pressure and smooth running
- Automatic lubrication, including the steered tandem axle, means less maintenance
- LED service lighting with 11 LEDs for optimal visibility

QUADRANT	5300	5200	4200
Single axle 600/50 R 22.5	-	□	□
Single axle 710/40 R 22.5	-	□	□
Tandem axle 520/50 R 17	-	□	□
Tandem axle 500/55 R 20	-	□	□
Steered tandem axle 500/55 R 20	-	□	□
Steered tandem axle 620/50 R 22.5	□	□	□

□ Available - Unavailable

QUADRANT		5300 RF	5300 RC	5300 FC	5200 RF
Hitching					
PTO shaft speed	rpm	1000	1000	1000	1000
Hydraulic jack		●	●	●	●
Ball hitch		○	○	○	○
Hydraulic connection		2 single-acting and 1 open return line	2 single-acting and 1 open return line	2 single-acting and 1 open return line	2 single-acting and 1 open return line
Pick-up					
Width	m	2.35	2.35	2.35	2.35
DIN rake width	m	2.15	2.15	2.15	2.15
Number of tine bars		4	4	4	4
Two oscillating pick-up castor guide wheels		●	●	●	●
POWER FEEDING SYSTEM (PFS)		○	○	○	○
Hydraulically driven PFS		○	○	○	○
Crop feed					
Rotor		ROTO FEED	ROTO CUT	FINE CUT	ROTO FEED
Number of knives		–	25	51	–
Blanked-off knives		–	●	●	–
Knife group activation		–	25, 13, 12, 6, 0	51, 26, 13, 12, 0/ 51, 26, 25, 13, 0	–
Knife drawer		–	●	●	–
Phased packer		2 (●)	2 (●)	2 (●)	2 (●)
Adjustable hydraulic prechamber		●	●	●	●
Fixed-cycle prechamber		–	–	–	–
Bale chamber					
Ram strokes	rpm	46	46	46	56
Max. baling pressure	bar	200	200	200	200
Automatic baling pressure control		●	●	●	●
Bale ejector		●	●	●	●
Bale deposit sensor		○	○	○	○
Moisture sensor		○	○	○	●
Bale chamber dimensions					
Length	m	3.85	3.85	3.85	3.85
Width	m	1.20	1.20	1.20	1.2
Height	m	0.90	0.90	0.90	0.7
Bale length	m	0.50–3.00	0.50–3.00	0.50–3.00	0.50–3.00
Operation					
CEMIS 700		●	●	●	●
ISOBUS cable		○	○	○	○
Automatic central lubrication		●	●	●	●
Manual central lubrication		–	–	–	–
LED package		○	○	○	○
Bale weighing system		○	○	○	○
Wrapping					
Number of knotters		6	6	6	6
Knotter monitoring		○	○	○	○
Number of twine reels in air diffuser		24 x 11.5 kg	24 x 11.5 kg	24 x 11.5 kg	24 x 11.5 kg
TURBO FAN knotter cleaning system with air diffuser		●	●	●	●
HIGH SPEED BINDING		●	●	●	–
Bale drop onto field					
Depositing chute, mechanically folding		●	●	●	●
Depositing chute, hydraulically folding		○	○	○	○
Hydraulically folding roller chute		○	○	○	○
Dimensions and weights					
Width		2.78–2.99	2.78–2.99	2.78–2.99	2.52–2.97
Height		3.37–3.56	3.37–3.57	3.37–3.57	2.55–2.65
Length in transport position		8.86	8.86	8.86	8.1
Length in working position		9.86	9.86	9.86	9.32
Weight (with tandem axle)		10510	12120	12240	8120

● Standard ○ Optional – Unavailable

5200 RC	5200 FC	4200 RF	4200 RC
1000	1000	1000	1000
●	●	●	●
○	○	○	○
2 single-acting and 1 open return line	2 single-acting and 1 open return line	2 single-acting and 1 open return line	2 single-acting and 1 open return line
2.35	2.35	2.35	2.35
2.15	2.15	2.15	2.15
4	4	4	4
●	●	●	●
○	●	○	○
○	○	○	○
ROTO CUT	FINE CUT	ROTO FEED	ROTO CUT
25	51	–	25
●	●	–	○
25, 13, 12, 6, 0	51, 26, 13, 12, 0/ 51, 26, 25, 13, 0	–	25, 13, 12, 0
●	●	–	●
2 (●)	2 (●)	3 (●)	3 (●)
●	●	–	–
–	–	●	●
56	56	51	51
200	200	200	200
●	●	○	○
●	●	○	○
○	○	○	○
●	○	○	○
3.85	3.85	3.45	3.45
1.20	1.20	1.20	1.20
0.70	0.70	0.70	0.70
0.50–3.00	0.50–3.00	0.50–3.00	0.50–3.00
●	●	○	○
○	○	○	○
●	●	○	○
–	–	–	–
○	○	–	–
○	○	○	○
6	6	6	6
○	○	○	○
24 x 11.5 kg	24 x 11.5 kg	24 x 11.5 kg	24 x 11.5 kg
●	●	●	●
–	–	–	–
●	●	●	●
○	○	○	○
○	○	○	○
2.52–2.97	2.52–2.97	2.52–2.96	2.52–2.96
3.11–3.16	3.11–3.16	3.14–3.16	3.14–3.16
8.1	8.1	8.1	8.1
9.32	9.32	9.32	9.32
9850	9850	7450	7800

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 for photographic purposes in order to present the function clearly. To avoid any risk of danger, never remove these protective panels yourself. In this respect, please refer to the relevant instructions in the operator's manual.



Ensuring a better **harvest.**

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