

TUCANO
480

CLAAS

Bundled success.
The TUCANO with the
APS HYBRID SYSTEM.



The APS HYBRID SYSTEM
in the TUCANO.
More than just rotor technology.





The TUCANO. Modelled on its big brother.

CLAAS has incorporated many impressive features from the brand's top-of-the-line machines in the TUCANO, thus defining a new category: the premium segment of the upper mid-sized class.

The TUCANO has drawn its most essential qualities from its big brother, the LEXION. The large, extremely comfortable cab, the multifunction lever, the wide range of front attachments and the VARIO cutterbar are just a few of the many advantages that TUCANO offers you.

Now we've also brought the core component of the LEXION into the mid-sized class: our APS HYBRID SYSTEM – adapted specifically to the dimensions and requirements of the TUCANO.

You'll reap the benefits of the tangential APS threshing system combined with the extremely efficient ROTO PLUS residual grain separation system. Take advantage of the best threshing technology in the premium segment of the upper mid-sized class.

Discover the TUCANO with the APS HYBRID SYSTEM.

TUCANO:
the premium choice in the
upper mid-sized CLAAS.





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Well-being at work.
Deluxe comfort in your
working environment.





At CLAAS, comfort and convenience mean that everything is designed to enable you to work with optimal efficiency. From the flawless 360° view to the smallest action.

Cab



The outstanding ergonomics, comfort and convenience enhance your concentration.

The TUCANO control centre was designed to fulfil your requirements, wishes and needs, ensuring that nothing distracts you from your work. It gives you optimal visibility in all directions, along with numerous other useful features. Together, these create an extremely comfortable, convenient and pleasant working environment that significantly enhances productivity.



Lots of visibility and little noise: that's the secret to everything.

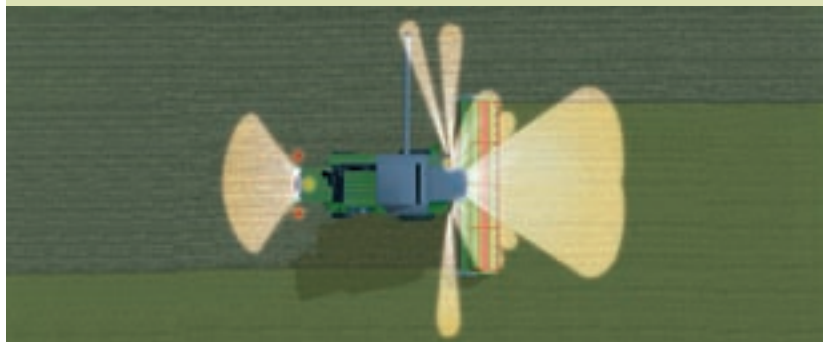
The TUCANO sets new standards in the upper mid-sized class.

- The spacious VISTA II CAB gives you lots of space
- Optimal soundproofing provides you with an exceptionally quiet working environment
- The height and inclination of the steering column can be adjusted to three different settings to suit every driver
- There is also a proper passenger seat
- The powerful automatic A/C MATIC climate control system maintains a consistently pleasant temperature in the cab
- There is sufficient storage space underneath and adjacent to the operator's seat (for a refrigerator, for example)

Turns night into day.

The lighting system ensures excellent visibility even in the dark.

- Up to eight work lights
- Lighting for the folding front attachments
- Stubble lighting, side illumination, reversing lights
- Lighting for offloading of the grain tank
- Grain tank lighting
- Returns lighting
- Cleaning system lighting
- Night-time maintenance work is made easier by service lights below the side doors



CLAAS VISTA CAB

EASY. Simply more.

The name says it all.

All the electronics expertise of CLAAS can be summarised in a word: EASY.

That stands for Efficient Agriculture Systems, and it lives up to the name. Equipment settings, steering systems, software solutions and more: EASY makes it all simple. Your systems can be matched perfectly with each other, enabling you to get the best performance from your combines and top results for your operation.

Go on. Go easy.

Four components make one EASY concept, each providing specialist competence and together making a strong team.

- on board – Combine control and performance optimisation from the cab
- on field – Increased productivity directly in the field
- on track – Equipment monitoring and remote diagnosis
- on farm – Software solutions for your operation



Go on. Go easy.

EASY

Efficient Agriculture
Systems by CLAAS.



on board



on field



on track



on farm



All the electronic competence of CLAAS can be summarised in a word: EASY.

EASY
Efficient Agriculture Systems
by CLAAS

One touch and you've got everything under control.





- 1 Control lever with multifunction handle
- 2 CEBIS screen
- 3 CEBIS operating keys / dial
- 4 Front attachment reverser
- 5 Rapeseed knife, left, ON / OFF
- 6 Preselection of cutterbar lateral levelling / VARIO table
- 7 Front attachment ON / OFF
- 8 Threshing unit ON / OFF
- 9 All-wheel drive
- 10 Diesel engine speed (3 levels)
- 11 AUTO PILOT centre adjustment
- 12 Centre adjustment of chopper spreading direction

Full control with a single lever on your right.

The multifunction lever integrated in the right armrest of the operator seat plays a key role in the outstanding comfort and convenience of driving and operating the TUCANO. With the multifunction lever you can regulate the travel speed and manage a number of other functions easily and smoothly, such as:

- Direction of travel
- Cutterbar and reel settings
- Cutterbar brake
- VARIO table / cutterbar lateral float
- Pivoting the grain tank discharge auger
- Grain tank offloading ON / OFF
- AUTO PILOT / LASER PILOT
- AUTO CONTOUR



Superbly convenient control.

The exciting features of our top combine harvesters give the TUCANO the innovative edge when it comes to comfort and operating reliability.

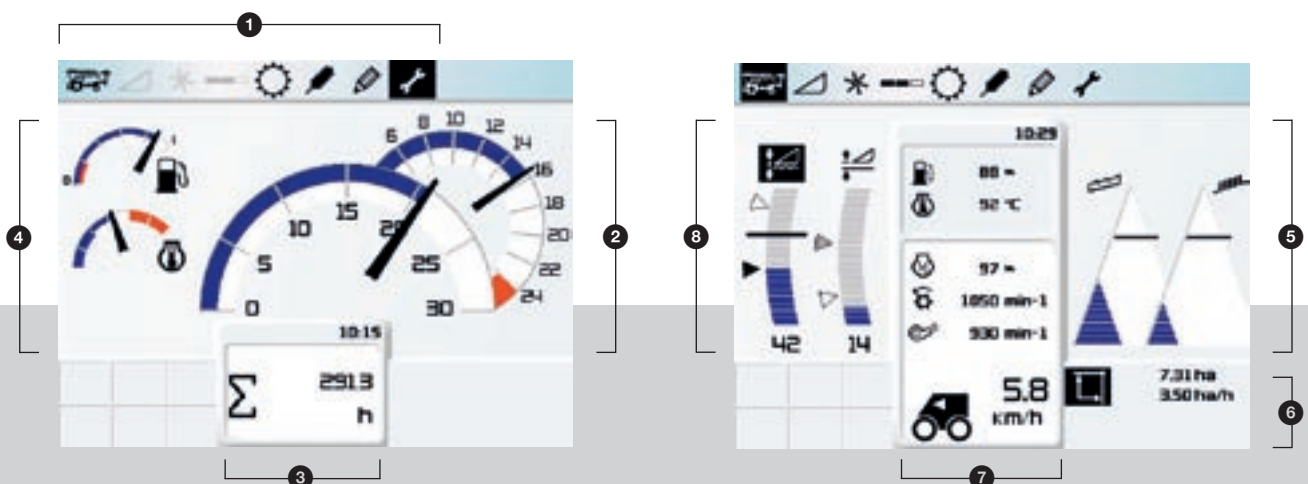
The CEBIS electronic on-board information system by CLAAS with the large display makes it easy for you to maintain control of everything. Information, registration, control, steering, monitoring: CEBIS by CLAAS reliably supplies you with all crucial data and parameters relating to the operating status of the TUCANO.

CEBIS on the road.

- 1 Menu bar
- 2 Travel speed and rpm
- 3 Operating hours
- 4 Fuel and temperature display

CEBIS in the field.

- 5 Throughput monitoring
- 6 Area and output per unit of area
- 7 Travel information: engine rpm, engine load, drum speed, partial width setting, speed
- 8 Front attachment information (CONTOUR, cutting height)



Just as smart as its big brother.



Everything in view, always in focus.

You have full control over the CEBIS system with a single dial and only a few keys. Self-explanatory image components and a cleanly organised screen facilitate fast, accurate operation of the terminal, which is permanently attached to the operator's seat. A brief glance at the CEBIS display gives you an overview of the current processes and statuses: a driving screen and a harvest screen summarise all the relevant information for you in a clearly organised format. Warning messages are given audibly as a buzz tone as well as visually as icons and texts. Discover the CEBIS advantages at the touch of a button: you'll find a demo version of CEBIS on the Internet at www.claas.com.

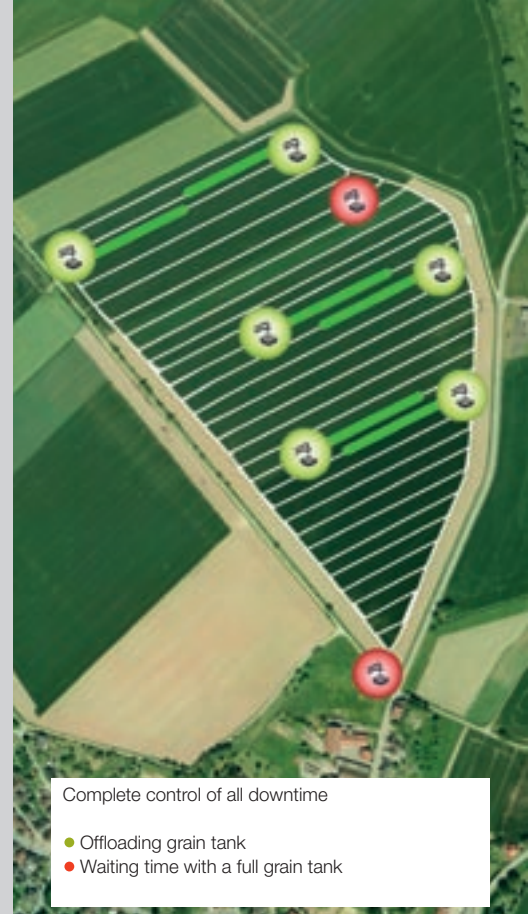


Large 8.4" CEBIS monitor



CEBIS

CLAAS TELEMATICS makes good operators even better.



A full overview with just a click.

The CLAAS TELEMATICS feature enables you to access all the important data for your combine any time, anywhere via the Internet. Enjoy the benefits of CLAAS TELEMATICS.

Optimise your settings.

Quickly compare the performance and harvesting data for your combine on the Internet, so you can fine-tune the settings for optimal results under all conditions every day.

Improve work processes.

A report with the operating time analysis and other important evaluations of the equipment are sent by e-mail each day. This enables you to review the specific data from the previous day and determine when and how efficiently the combine operated before you start threshing again. The working tracks of the combine can be viewed together with the event log, which enables the transport logistics to be optimised.

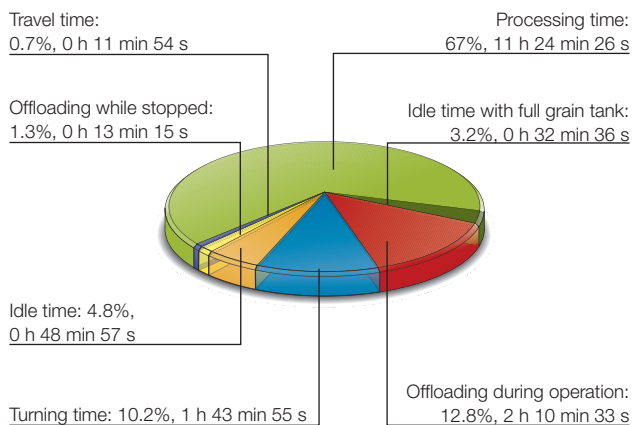
CLAAS TELEMATICS facilitates systematic fleet management and avoids unprofitable idle time.



The operator, farmer and dealer service engineer can all read and interpret the machine data concurrently.



Operating time analysis.



Simplify documentation.

Use TELEMATICS to export the relevant data to your field catalogue and save valuable time, for example to transfer data on area-specific yields. Maps for yields, moisture and losses can be displayed graphically for quicker analysis.

Faster service with CLAAS remote diagnostics.

CLAAS TELEMATICS can transmit service data to your CLAAS dealer if you wish. This enables your CLAAS service team to perform an initial diagnosis remotely if required, identify causes more quickly and prepare to provide the most effective assistance in the field as quickly as possible.

How you benefit.

- Readout of stored errors
- Checking of combine parameters such as hydraulic pressure
- Checking sensor systems for engine speed, etc.
- Configuring the combine

The location and path of the combine are shown against the background of satellite photos from Google™ Earth.



CLAAS TELEMATICS

A real all-rounder.
Top performance
with all crops.



Front attachments

The TUCANO can handle whatever work you've got planned.



VARIO cutterbar



CONSPEED



Folding cutterbar



RAKE UP



SUNSPEED





The leader in versatility and flexibility.

The TUCANO was developed to unite a wide variety of features at the highest level. Offering optimal throughput performance and long-term reliability combined with great versatility and minimal setup time, the TUCANO is simply unbeatable. Our top combine harvesters were the prototypes for this model. Take advantage of a unique combination of sophisticated performance features and equipment.

The V channel.

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

Multicoupler.

The central coupling for all hydraulic and electrical cutterbar functions.

- You gain valuable time due to shorter attachment and removal procedures
- No danger of confusion thanks to the integrated design.
- Easy to connect, even under pressure
- Environmentally friendly with no oil leakage

Central locking system.

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

- Safe, fast locking mechanism
- Fast, easy cutterbar attachment and removal

No compromises regarding comfort.



Higher throughput. No matter which front attachment you use.

Crop lifters.

Using the crop lifters reduces ear cutting losses (particularly with overripe barley) and prevents stones from being picked up in laid crops.

- Reliable grain intake
- Ideal storage for the crop lifters behind the cutterbar

Hydrostatic reel drive.

A variable displacement pump on the combine provides a maximum torque of 1,000 Nm at the reel. The reel speed is controlled automatically as a function of your forward speed.

- Plenty of engine power thanks to high torque
- Greater efficiency than gear pumps
- A closed hydraulic circuit ensures better reel rotation
- Fast adjustment of the reel speed

The trailer for road transport.

Everything to save you time: The trailer provides compact, convenient and safe storage for the cutterbar. It's locked in seconds with two bolts.

Made-to-measure compartments are designed for transporting the accessories you need for harvesting rapeseed. The rubber-coated floor provides non-slip, protective, theft-proof storage.

Adjustable stripper rails.

The spacing between the stripper rails and the intake auger can be conveniently set externally on the C 490, C 430 and C 370 cutterbars.

Hydraulic reversing on the feeder housing.



Cutterbar

The TUCANO is extremely versatile. Rapeseed and grain.

A first class combination for an unrivalled head start.

The TUCANO is the first combine harvester to unite a machine of the mid-sized class with the VARIO high-performance cutterbar. This is a unique combination from which you'll reap the benefits every time you use it:

- Highest throughput due to particularly even crop intake
- The VARIO is available in five different cutting widths: V 540, V 600, V 660, V 750 and V 900
- The hydrostatic reel drive comes equipped with automatic speed adjustment
- Reliable and rugged: the multifinger intake auger

Consistent crop flow to enhance performance.

The VARIO high-performance cutterbar feeds the crop uniformly to the threshing unit. This is the only way to increase performance and to utilise the full design capacity. Furthermore, it reduces fuel consumption and supports the operator in significantly increasing productivity.

You also benefit from the following additional advantages:

- High RPM stability in the engine, threshing and separation units and during the cleaning process
- Extremely high performance consistency
- No load peaks in the threshing equipment
- Protection of the drives

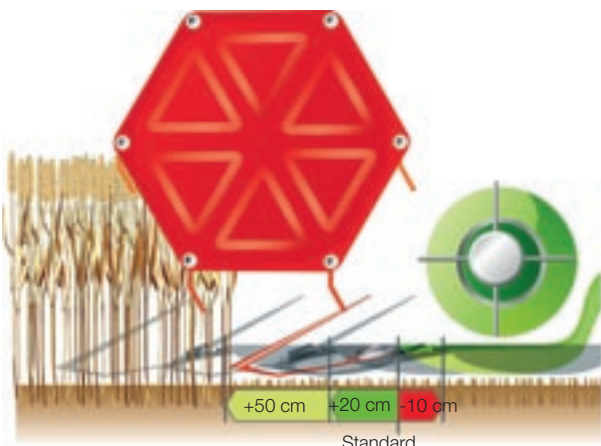
- Automatic reel speed
- Automatic reel height
- Automatic reel levelling
- Automatic table positioning





Rapeseed must be harvested carefully.

Ripe rapeseed pods need careful handling during harvest because they often explode and the grains start flying in all directions. Thus, the rapeseed deflector and extension are invaluable components of the rapeseed equipment on the VARIO cutterbars; they minimise losses on a long-term basis.



For grain harvesting, the cutterbar table can be extended by up to 20 cm or shortened by as much as 10 cm to keep the crop flow even and ensure efficient, trouble-free working.

For the rapeseed crop, the cutterbar table can be moved forward by 50 cm and the integrated rapeseed table is ready in no time.

Hydraulically driven side cutters on the right and on the left can be switched on and off at will. They are mounted quickly and easily without additional tools.

The knife bar comes with an integrated hydraulic drive.

Knife position -10 cm



Knife position +20 cm



Knife position +50 cm



VARIO cutterbar



CONSPEED LINEAR.

A high picking rate with protective handling of maize ears at the same time has a critical influence on the throughput of the machine. The CONSPEED and CONSPEED LINEAR maize pickers meet these requirements and are superbly matched to the capabilities of the TUCANO.

Make the most of the maximum efficiency of the CONSPEED:

- Snapping rolls with tungsten carbide coated knives
- Electrohydraulic snapping plate adjustment
- Horizontal chopper
- Reliable drives using only shafts and gears
- Durable plastic covers
- Automatic machine guidance via AUTO PILOT
- Simple rpm adjustment

The CONSPEED LINEAR can be equipped for sunflower harvesting with a sunflower kit.

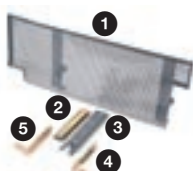
Wide in the field, narrow on the road.

Simply press a button in the cab to switch from the working position to the transport position. The outer picking units are electrohydraulically folded inwards to a width of three metres. When the unit is unfolded into the operating position all drive components are automatically moved into position.

SUNSPEED - a sunny outlook.

Based on the excellent principles of its front attachment technology, CLAAS developed the outstanding SUNSPEED cutterbar specifically for sunflowers with the following features:

- Maximum output per unit area
- Minimal losses
- Greater safety and reliability on the job
- Minimal setup times
- Superior operating comfort and convenience



Sunflower kit.

- 1 Rear wall panel to minimise losses
- 2/3 Knife holder and knife between the snapping plates
- 4/5 Right/left chain guide

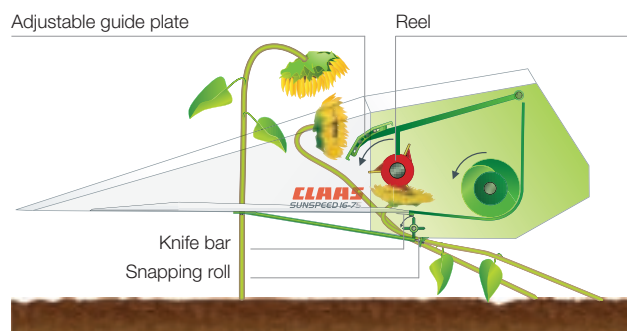
The TUCANO takes things as they come. Maize and sunflowers.

A highly efficient design.

When the sunflower stems are captured by the shuttles, the adjustable guide plate helps to push the sunflower heads to the front. At the same time the snapping roller prevents early cutting. Only the heads of the plants reach the specially developed reel equipped with tines and additional rubber guide plates. The reel moves the cut off heads to the intake auger and transfers them to the feeder housing.

A highly adaptable system.

- Reel height and speed can be adjusted hydraulically
- Adjustable cover plates keep the stalks in a secure position, so only the sunflower seed heads are harvested
- The gap between the shuttles can be adapted to the relative stalk diameter via adjustable rails – nothing gets jammed and harvesting runs like clockwork
- The tilt of the shuttles is also adjustable, so they can be adapted to a wide variety of crop conditions



CONSPEED
SUNSPEED

The TUCANO handles all these crops equally well: peas, beans, lentils, clover seed and soybeans.

Versatility is its particular strength.

The versatility and adaptability of the TUCANO makes it the solution everyone's been waiting for in many situations and locations. With the appropriate cutterbars, it will reliably meet your needs with its top performance and outstanding efficiency.

RAKE UP – a new approach to swath harvesting.

The tines are mounted on six tine bars. They are controlled and retract with an additional movement to the side when the crop is fed onto the belt. The speed of the intake unit is continuously variable and can be hydraulically adjusted from the cab.

- Reliable pick-up and high output, even under the most difficult field conditions
- Clean rake intake of the crop
- A two-part crop guard ensures rapid crop flow
- Can be used for virtually any crop
- Sturdy, durable design of the RAKE UP



Folding cutterbar.





The folding cutterbar offers numerous advantages.

Narrow streets, cramped paths, heavy traffic: With its folding cutterbar, the TUCANO lets nothing stand in the way of top daily output. The folding cutterbars eliminate the attachment and detachment of the cutterbar, ensure optimal handling during travel with outstanding visibility and facilitate transfers from one field to the next practically without interruption. Your advantages:

- No additional trailer necessary
- Drastically reduced set-up times
- Tremendous savings of time and costs
- Extremely easy operation
- High operational reliability
- Safer in road traffic
- Greater efficiency
- Better scheduling

FLEX cutterbar:
coveted down-to-earth quality.

Soybeans grow in pods immediately above the ground. Thus, it is necessary to cut the crop directly above the soil to ensure lossless harvesting. This is the only way to be sure that every last pod gets into the combine.

CLAAS FLEX cutterbars are therefore equipped with a flexible knife bar that automatically adapts to even slight ground undulations. These cutterbars can be used not only for soya, but also for peas and other specially cultivated crops such as clover.



FLEX cutterbar.



RAKE UP
Folding cutterbar
Flex cutterbar



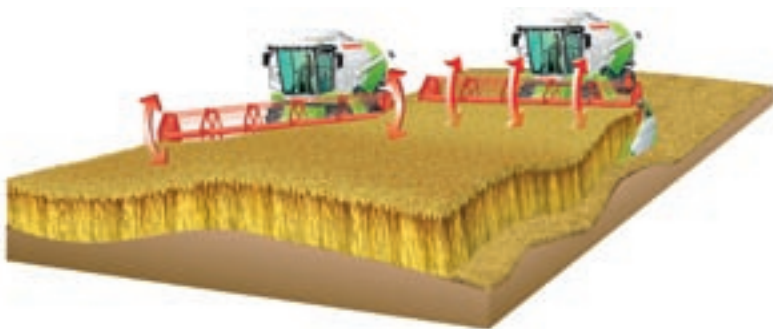
CLAAS CONTOUR ensures excellent adaptation to ground contours.

The cutterbar with CLAAS CONTOUR automatically adapts to uneven ground. You select a contact pressure and CONTOUR ensures that it will be uniformly maintained. Every time the cutterbar is lowered, the preselected cutting height ensures that the specified cutting height is always found automatically.

AUTO CONTOUR guarantees longitudinal and lateral levelling.

The active automatic cutterbar controller from CLAAS has been improved once again. The AUTO CONTOUR with its new cutterbar cylinder controls the ground pressure more precisely than ever before. Electronic sensors record the hydraulic pressure in the system and react quickly and valve-controlled, nitrogen-filled accumulators ensure optimal shock absorption with front attachments of different weights. Regardless of which attachment you use, the fully automated comparison of the actual status with the target value ensures that AUTO CONTOUR always adapts optimally to the terrain and relieves the operator of yet another task.

This makes the work significantly easier, particularly when very wide cutterbars are in use, at night, with lodged crops, on slopes and on stony ground. AUTO CONTOUR contributes to a considerable increase in performance and makes the use of the TUCANO even more efficient and economical.



LASER PILOT.

Four intelligent field assistants.



LASER PILOT steers automatically.

The folding LASER PILOT is an automatic guidance system for precise operation on the "cutting edge". This provides unique relief to the operator – all day long for the duration of the job, enabling greater concentration on the critical settings for the best threshing performance. Full utilisation of the cutterbar width likewise enhances the quality of the work and increases yields.

The electro-optical sensors of the LASER PILOT use pulses of light to scan the edge between the crop and the stubble. The LASER PILOT is available for the left side of the cutterbar. It ensures:

- Full utilisation of the cutterbar width all the time
- Greater precision for area and yield recording
- Highly reliable functioning with excellent results in laid crops and at night
- The LASER PILOT mount is telescopic and foldable

AUTO PILOT ensures optimal positioning in maize fields.

Two digital sensors in each picking unit record the position of the TUCANO and guide it automatically in all field conditions to achieve higher productivity and greater efficiency.

- Digital sensors enable higher forward travel speeds
- Low loss operation even in poor visibility and at high working speeds
- Operator fatigue is significantly reduced



CLAAS CONTOUR
AUTO CONTOUR
LASER PILOT
AUTO PILOT

The APS HYBRID SYSTEM.
Threshing technology from CLAAS.



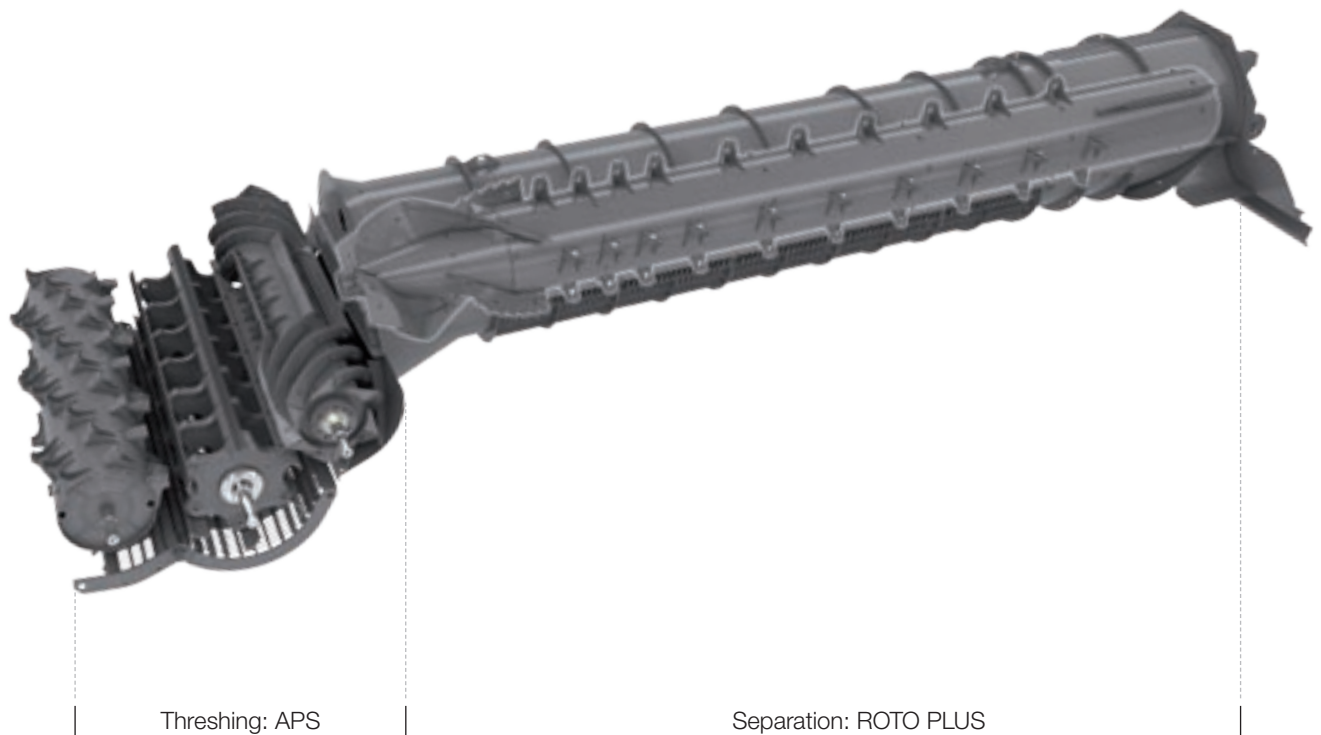


An innovative combination of impressive advantages unique in its class. CLAAS has redefined high performance.

Threshing technology

APS + ROTO PLUS = APS HYBRID SYSTEM. A unique performance CLAAS.

APS HYBRID SYSTEM.





The power of innovative combination:
the APS HYBRID SYSTEM.

The APS HYBRID SYSTEM – threshing technology by CLAAS – represents the combination of two outstanding technologies: the tangential APS threshing system and the extremely efficient ROTO PLUS residual grain separation system.

This powerful duo offers you unbeatable advantages:

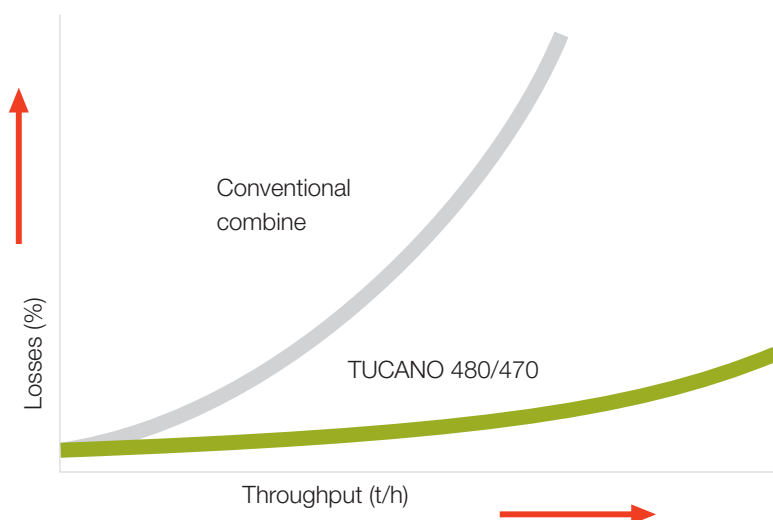
- The speed adjustment for the drum in the threshing system is independent of the speed of the rotor
- Individual adaptation of the entire process to changing field conditions over the course of the day
- Protective threshing with top throughput

Only CLAAS unites both systems in one machine, giving you a significant competitive edge over other systems.

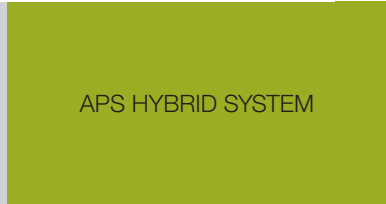
Far superior to straw walkers.

With its effective residual grain separation system, the crop flow speed 10 times faster between the rotors and concaves and the high centrifugal force, the TUCANO with the APS HYBRID SYSTEM offers fundamentally different separation qualities than straw walkers.

Take advantage of the unbeatable combination of APS + ROTO PLUS.



With conventional combine harvesters, the percentage losses increase sharply above a certain level of throughput, because the residual grain separation is the factor limiting performance. The effective residual grain separation of the ROTO PLUS system in the TUCANO 480 /470 enables much higher operating capacities without increased loss rates.





The unique APS threshing system.

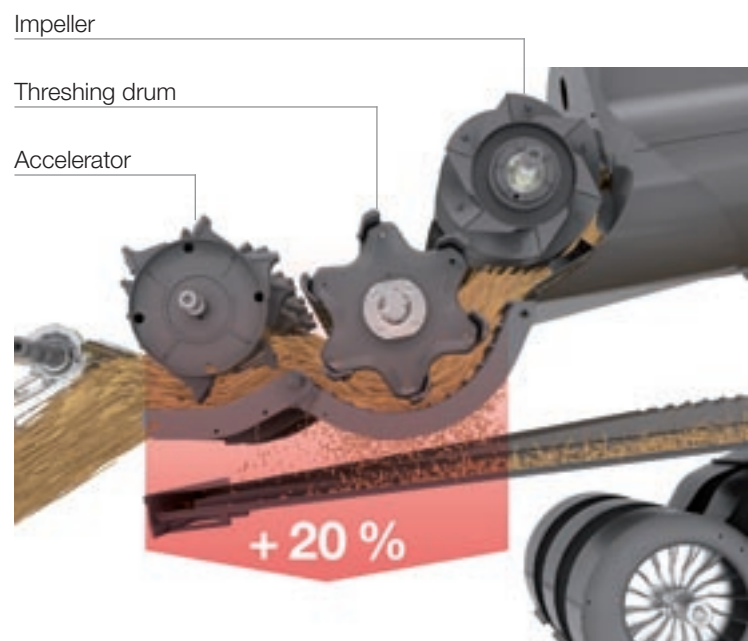
The distinct competitive edge of CLAAS appears well before the threshing drum. The dramatic acceleration of the crop flow from 3 m/s to 20 m/s triggers a chain of extremely efficient processes:

- The pre-accelerator separates the crop more thoroughly
- The crop flow is particularly even and up to 33% faster
- Higher centrifugal forces separate considerably more grain
- Up to 30% of all grains are already sorted in the pre-separation concave directly below the accelerator, significantly reducing the load on the main concave

This results in a net performance increase of up to 20% with no rise in fuel consumption. APS pays for itself.

Versatile pre-cleaning concave.

The pre-cleaning concave is designed as a MULTICROP concave and can therefore handle any crop. The option of quickly changing three concave sieves minimises setup time and maximises efficiency.



Very high-performance separation, optimal grain quality, reduced returns – the 7/18 concave with 7 mm wire spacing in the first four concave rows and 18 mm in the rear concave area.

APS gets good results fast.

Long threshing channel with a large grain separation area.

In the CLAAS APS threshing system, we've succeeded in wrapping the main concave much farther around the threshing drum than in conventional machines. No other threshing mechanism offers an angle of wrap of 151°. You benefit from gentle but thorough threshing with a large concave clearance and low drum speed with reduced fuel consumption.

Optimal grain quality is purely a matter of the right settings.

The APS system is equipped with multistage adapters for optimal deawning. With the intensive threshing component and the deawning plates, which can be engaged in just seconds via a lever on the feeder housing, APS ensures outstanding grain quality.

Synchronised function.

The accelerator, threshing drum and impeller are driven by a central variator. Each change in drum speed causes a corresponding adjustment of the accelerator and impeller.

The result:

- Continuous protective crop handling with uniform crop flow
- No broken grains



Reliable protection. The new, large stone trap is easy to open from the side and is self-emptying.

APS threshing system

ROTO PLUS makes the most of your work.

The powerful, pivotal component.

The principle behind the ROTO PLUS residual grain separation system is simple but extremely effective. The impeller of the APS threshing unit bundles the material flow of the straw and feeds it to the rotary impeller. The axial direction of rotation facilitates the development of extraordinarily high centrifugal forces which are used to separate the residual grains from the straw.

Size matters: the new high-performance rotor.

Thanks to the rotor's enormous diameter of 570 mm, the high centrifugal forces and the corresponding energy-saving residual grain separation are achieved even at low speeds.

The result: gentle straw handling with maximal separation.





Drive without detours.

An extremely efficient direct drive gives the rotor the power required to ensure that the tremendous efficiency of the system is fully utilised. The power of the drive is thus transformed into kinetic energy with minimal loss.

Easy access as well as the uncomplicated design and solid construction ensure minimal maintenance and long operating times.

Precisely what you need: the speed adjustment.

You can easily adjust the rotor speed via a step drive. Six different speeds are available:

Rotor speed [rpm]

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|
| 977 | 850 | 750 | 650 | 552 | 478 | 422 | 367 |
|-----|-----|-----|-----|-----|-----|-----|-----|



ROTO PLUS



Turbine blower.

- Six turbines ensure constant air pressure with uniform distribution, even with varying sieve loads
- Forced air flow control prevents crop mat formation
- Reliable air flow even at low air speeds
- Continuously adjustable from the cab

Preparation floor.

Pre-sorting of the grains (top) and chaff and broken straw (bottom) takes place on the preparation floor. The resulting reduction in the load on the upper sieve increases the cleaning capacity. The six individual plastic elements can be easily pulled out to the front for cleaning the preparation floor after harvesting is completed.

Two steps.

- These significantly reduce the load on the upper sieve
- They enhance performance, particularly if the straw is dry and brittle

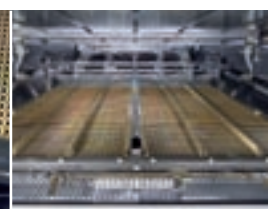


The cleaning system: sheer effectiveness right down the line.

Divided preparation floor that can be removed from the front.



Electric sieve adjustment.



Clean work pays better.

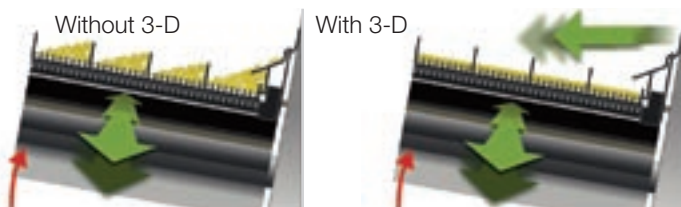
Electric sieve adjustment.

Developed by CLAAS and imitated by the competition.
Electronic sieve adjustment from the cab:

- Easy and convenient
- No need to exit the cab
- Immediate result monitoring

3-D cleaning system.

- Dynamic sidehill levelling - active control of the upper sieve
- Completely consistent performance on slopes up to 20%
- No wear - completely maintenance free
- Fast, simple retrofitting
- Together with the AUTO CONTOUR, it is the ideal "hillside package"



Cleaning system

Muscle under the hood, brains in the cockpit.

A grain tank with tremendous capacity.

After the threshing, residual grain separation and cleaning processes have been completed, the cleaned grain is collected in the generously dimensioned grain tank. With a large volume of 9,000 litres, the TUCANO once again demonstrates its capacity for high productivity, enhanced by many other strengths:

- Easy grain sampling
- High overhead discharge height
- Ideal weight distribution
- Good visibility in the grain tank
- Fast, direct offloading at 75 litres per second
- Smooth surfaces in the grain tank facilitate complete emptying

Innovative visual inspection of returns from the operator's seat.

Developed exclusively for the new TUCANO:

- The illuminated inspection window for monitoring the returns
- You'll quickly discover which combine settings work best for you
- This facilitates optimal utilisation of the performance potential





The QUANTIMETER measures and checks.

The primary functions of the QUANTIMETER include throughput measurement, moisture content measurement and data display in CEBIS.

The throughput measurement is grain-specific. The moisture content of the crop is monitored continuously and displayed upon request.

During the volume measurement in the grain elevator, a photo cell records the filling of the individual paddles. Using appropriate correction factors, including the lateral and transverse tilt of the machine among other things, the QUANTIMETER automatically determines the precise quantity harvested.

Automatic chain tensioning for the elevator is standard with the QUANTIMETER. All CLAAS combines with the QUANTIMETER have a larger elevator.

PROFI CAM – Everything in view.

All TUCANO models can be equipped with a PROFI CAM on the rear hood. This camera position has been chosen precisely to allow up to two areas to be monitored simultaneously on a colour display from the comfort of the cab:

- Distribution of chopped material / straw deposition
- Rear of machine when reversing

Up to four cameras can be connected to the system and simultaneously feed their images to the colour monitor in the cab.



PROFI CAM.

Grain tank
QUANTIMETER
PROFI CAM



Short chop, even distribution.

As it leaves the rotor, the straw is chopped finely and spread evenly across the full working width. The sieve pan discharge is fed to the heavy-duty chaff spreader, which then spreads the chaff evenly over the field. The spreading distance can be easily adjusted.

The right cut: SPECIAL CUT.

The TUCANO can be equipped with the SPECIAL CUT straw chopper. With 80 knives for an excellent result: short and sweet.

The chopper is switched on and off via an easy-to-use mechanical clutch. The flow-optimised housing ensures a uniform straw feed - this ensures low energy consumption and precise straw chopping. The finely chopped material is then fed to the ACTIVE SPREADER.

Spread across the full working width: ACTIVE SPREADER.

The larger the volume of straw and the cutting width, the more precisely and evenly the straw must be spread. The ACTIVE SPREADER by CLAAS offers you the right solution.

The mixture of chopped material and chaff is grabbed while in motion by two counter-rotating spreading rotors, accelerated again and distributed over a total width of more than nine metres. The direction of spreading can be conveniently controlled from the cab.

Thus, the TUCANO ensures efficient straw spreading with minimal effort. Both the ACTIVE SPREADER and the SPECIAL CUT are unique in this performance class and put TUCANO at the very top of the upper middle segment.



Chopped short and spread wide: your field is clear for the next harvest.

If you need a chaff spreader,
you'll want the HD.

There are many advantages:

- Suitable for corn and grain – no changeover necessary
- HD components for a longer service life
- Outstanding spreading width
- Consistent crop feed in all conditions
- No influence on the cleaning air flow
- Optimal ease of access to the sieve pan with folding chaff spreader

The TUCANO handles straw very gently.


Take long straw, for example. Thanks to the protective APS threshing system and the large 570-mm rotor diameter, the straw retains its full original structure, making it ideal for use as high-quality bedding straw. When the chopper is switched off, the swath is layered loosely, allowing it to dry quickly and be compacted easily into firm bales.



Straw management

CLAAS POWER SYSTEMS (CPS):
optimal drive for best results.





Equipment development at CLAAS means an ongoing effort for even greater efficiency and reliability as well as optimal profitability in the field. This applies of course to all aspects of a CLAAS combine harvester. The drive system is of decisive importance. And it involves a lot more than just a powerful engine.

In CLAAS POWER SYSTEMS (CPS), we have brought together the best components in a drive system in a class of its own. One that always delivers the greatest power when needed. Ideally matched to the work systems and with fuel-saving technology that quickly pays for itself.

We have brought together the best components in a drive system in a class of its own: CLAAS POWER SYSTEMS (CPS).

CLAAS POWER SYSTEMS

Intelligent powerhouses.

No compromises on power or endurance.

Outstanding power delivery with low fuel consumption is assured with selected premium engines from Mercedes-Benz and Caterpillar. Solenoid-valve-controlled single injection pumps together with electronic engine management (from Mercedes-Benz) or the hydraulic electronic unit injection (HEUI) system mean you can rely on the drive technology in the new TUCANO. It provides long, productive performance with ease even under difficult field conditions.

- MB OM 926 LA engine (7.2 l)
- CAT C 9 engine (8.8 l)
- TIER 3 EUROMOT IIIa emission standard
- Optimised combustion process
- Better engine performance
- Low fuel consumption
- Optimal power transmission
- Fuel tank capacity up to 750 litres
- Tested by CLAAS POWER SYSTEMS



Up to 750 litre capacity.



Increasing performance requires reserves of power.

Extremely high throughput requires corresponding power reserves. With a drop in speed of 100 rpm, the TUCANO delivers a boost of power. Even under these extreme conditions, the engine's fuel consumption is low.

Cooling system with automatic dust extraction.

The TUCANO works with an extremely efficient common cooling system for the engine, the hydraulic system and the climate control system. The automatic dust extraction facilitates continuous cleaning of the hydraulically rotating radiator frame and thus for optimal cooling performance. Soiling of the cooling ribs is significantly reduced.

Innovative superiority all round.

You can control the hydrostatic ground drive of the TUCANO – without clutches, without switching gears – very easily and conveniently with the multifunction lever. Such operating comfort and convenience directly enhances performance with faster turns and optimal adjustment of the travel speed to changing field conditions. The all-wheel drive is your option for extra power.

Simply press a button to switch to the concentrated power that keeps you moving forward even under the most adverse ground conditions. The all-wheel drive is reliable and maintenance-free. Use the CLAAS Bio hydraulic oil to enhance the environmental safety of your TUCANO.

Powerful hydraulic drive pump with a 30% greater pump volume.



Engine Drive



New tyre technology for long-term ground protection.

Intensive joint efforts between CLAAS and renowned tyre manufacturers have led to the development of this new tyre technology.

Outstanding benefits:

The new tyres improve mobility on the road. Their greater contact area provides more traction, less slippage and lower fuel consumption for travel, while the lower tyre pressure reduces ground compaction and so makes a long-term contribution to improving soil structure.

| Tyre size | Standard tyres | Michelin Cerexbib |
|-------------|----------------|-------------------|
| 680/85 R 32 | 2.9 bar | 1.8 bar |
| 800/70 R 32 | 2.4 bar | 1.6 bar |

Facts and figures:

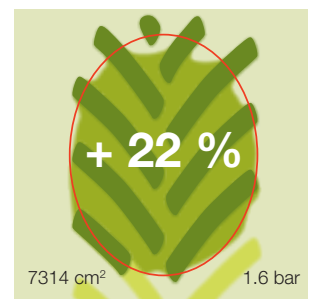
- Lower tyre pressure by 0.6 to 1.1 bar is possible with full load capacity compared to standard tyres of the same size – a reduction of 35%
- The tyres have the contact area of standard tyres two sizes larger, providing 22% more ground contact with the same transport width
- Tyres on drive axle: 800/70 R 32 and 680/85 R 32, tyres on steering axle: 620/70 R 26 and 520/80 R 26

Standard tyres



800/70 R 32 / 9000 kg

MICHELIN CEREXBIB



IF 800/70 R 32 / 9000 kg



Reduced transport width with increased contact area.



Reduced tyre pressure for less soil compaction.

The necessary traction.

Maintenance. Could you do with less of it?

- Pivoting radiator frame for fast manual cleaning
- Large, continuous side doors for unimpeded access
- Simple access to the engine compartment and other maintenance areas with a mobile, foldable ladder.
- Fully folding rear hood
- Compressed air system
- Lubrication banks.
- Storage box for hand tools, for example
- Long servicing intervals



Large maintenance doors.

Tyres
Maintenance

At CLAAS service isn't just a word:
it's a way of life.



Support around the clock.

You can depend on professional, reliable support from the FIRST CLAAS SERVICE® team at all times. Around the clock, CLAAS importers and dealers around the world ensure an optimum supply of parts and offer reliable customer service.

We're there wherever you are.

Our central spare parts warehouse delivers all ORIGINAL CLAAS parts quickly and reliably throughout the world. The large number of CLAAS partners ensures that they'll reach their destination in a very short time, no matter where you are.

Our diagnostics are reliable.

The vast experience of our service specialists, together with cutting edge diagnostic systems, such as CDS 5000, ensures fast troubleshooting as well as reliable CEBIS configuration and updates.

FIRST CLAAS SERVICE®.





We speak the same language.

CLAAS dealers are among the world's most capable agricultural engineering companies. Not only are they highly trained and equipped with the right tools, they also have an intimate knowledge of how farmers and contractors work. They understand your expectations and can meet your requirements for professional expertise and reliability.

We are always close by, even when we're far away.

Every minute counts during the harvest. With the unique CLAAS TELEMATICS you gain valuable time, and so do we. Our service staff have direct access to all of the performance and electronic data of your TUCANO via GPRS and the Internet. Even before we arrive, we have all the necessary information and can bring any required spare parts with us right away.

Invest in the best. Invest in success!

CLAAS offers you the highest level of safety and professional expertise with service packages you can rely on and the individual CLAAS MAXI CARE® programme.

Post-harvest and annual inspections to ensure top performance; service contracts with fixed prices and flexible extended warranty options enable you to plan and manage your costs transparently and accurately.

The comprehensive package for maintenance and repair:

- Post-harvest/annual inspection. Well checked is better prepared!
- Maintenance contracts. FIRST CLAAS quality with maintenance at a fixed price
- MAXI CARE®. The security and safety of comprehensive protection



CLAAS TELEMATICS
FIRST CLAAS SERVICE®
MAXI CARE®

The TUCANO at a glance.

Deluxe cab

CEBIS

The V channel

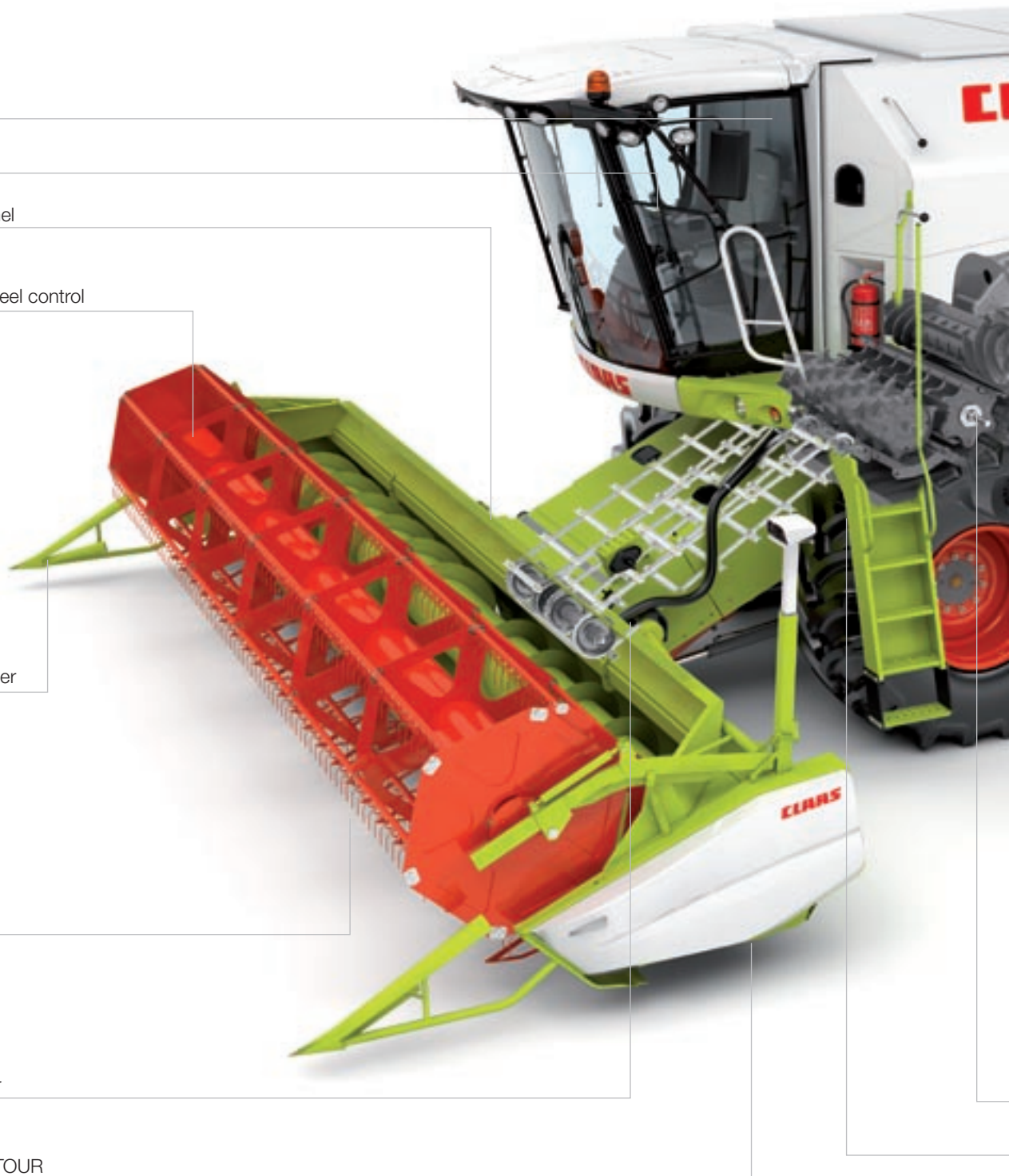
Automated reel control

Folding divider

VARIO table

MultiCoupler

AUTO CONTOUR





ROTO PLUS

Mercedes-Benz / Caterpillar

PROFI CAM

ACTIVE SPREADER

SPECIAL CUT chopper

HD chaff spreader

All-wheel-drive axle

3-D cleaning system

Separate return pan

Turbine fan

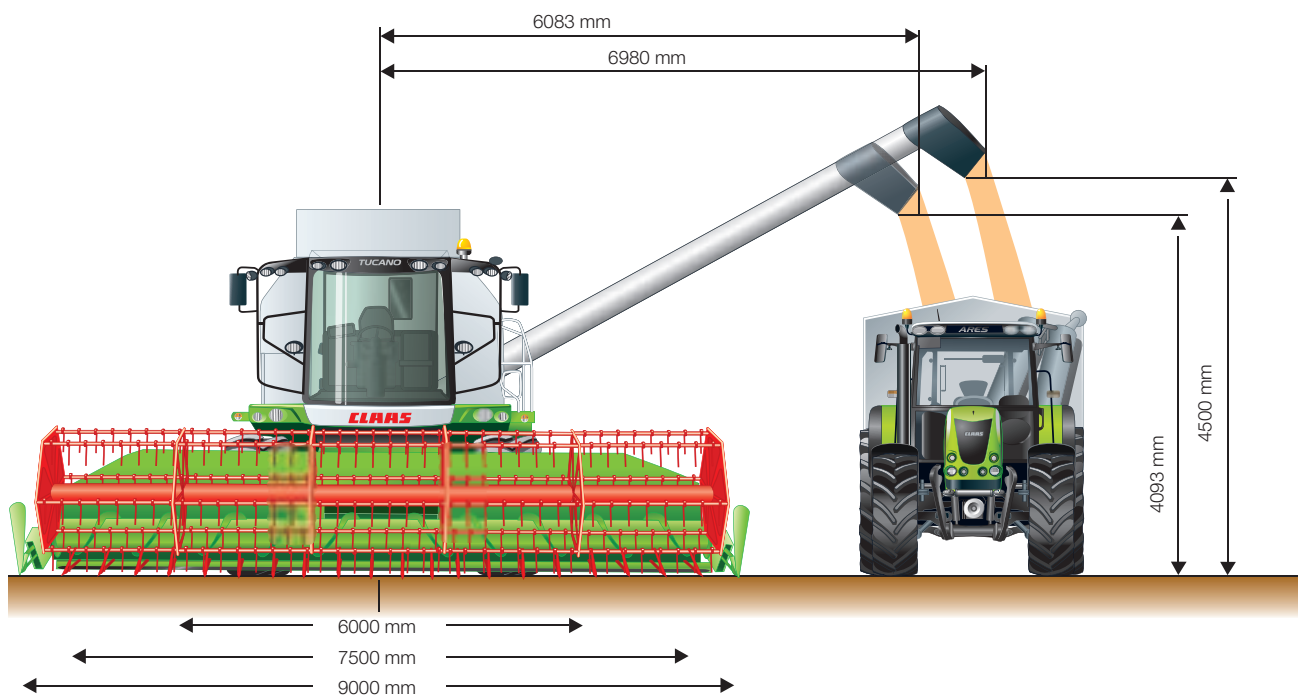
Ultraflex technology

APS

LASER PILOT

Technology in detail

Convenient offloading requires height and width.



TUCANO

480

Front attachment selection

| | | |
|---------------------|----------|--|
| Standard cutterbars | | C 900, C 750, C 660, C 600, C 540, C 490 |
| VARIO cutterbars | | V 900, V 750, V 660, V 600, V 540 |
| Rapeseed attachment | | for all standard and VARIO cutterbars |
| FLEX cutterbars | | S 900, S 750, S 600, S 510, S 450 |
| Folding cutterbars | | C 540, C 450 |
| RAKE UP | | P 420 |
| SUNSPPEED | quantity | 12 |
| Picker | rows | 6 and 8 |

Standard cutterbars

| | | |
|--|-------------|--|
| Cutting widths available | m | C 900 (9.12 m), C 750 (7.50 m), C 660 (6.68 m), C 600 (6.07 m), C 540 (5.46 m), C 490 (4.92 m) |
| Folding dividers | | ● |
| Spacing between the knife and intake auger | mm | 580 |
| Cutting frequency | strokes/min | 1120 |
| Multifinger intake auger | | ● |
| Hydraulic reverser | | ● |
| Hydrostatic reel drive | rpm | 8 – 60 |
| Automatic functions | | |
| CONTOUR | | ○ |
| AUTO CONTOUR | | ● |
| Reel speed control | | ● |
| Reel height adjustment | | ● |
| LASER PILOT left | | ○ |

VARIO cutterbars

| | | |
|--|----|--|
| Cutting widths available | m | V 900 (9.12 m), V 750 (7.50 m), V 660 (6.68 m), V 600 (6.07 m), V 540 (5.46 m) |
| Spacing between the knife and intake auger | mm | 480 – 780, for rapeseed 1080 |
| Hydraulic reverser | | ● |
| Automatic functions | | |
| CONTOUR | | ○ |
| AUTO CONTOUR | | ● |
| Reel speed control | | ● |
| Reel height adjustment | | ● |
| Reel levelling control | | ● |
| VARIO control | | ● |
| LASER PILOT left | | ○ |

Threshing system

| | | |
|---|---------|---------------------------|
| APS acceleration and pre-separation | | ● |
| Accelerator rpm | | 80% of the threshing drum |
| Synchronised accelerator and impeller | | ● |
| MULTICROP concave | | ● |
| Drum width | mm | 1580 |
| Drum diameter | mm | 450 |
| Drum speed | rpm | 650 – 1500 |
| with reduction gear | rpm | 280 – 1500 |
| 7/18 concave | | ● |
| Angle of wrap of the pre-cleaning concave | degrees | 60 |
| Concave wrap angle | degrees | 151 |
| Externally folding deawner plates | | ● |
| Single-lever proportional concave adjustment from the cab for both concaves | | ● |
| Large stone trap | | ● |

Residual grain separation

| | | |
|----------------------------|----------|---------------------------------|
| ROTO PLUS separation rotor | quantity | 1 |
| Rotor length | mm | 4200 |
| Rotor diameter | mm | 570 |
| Rotor speed | rpm | 977/850/750/650/552/478/422/367 |

● Standard ○ Option – Not available

TUCANO

480

Cleaning system

| | | |
|---------------------------------------|----------------|-----------|
| Removable preparation floor | | ● |
| Fan | | 6-turbine |
| Electric fan adjustment | | ● |
| Dual ventilated step | | ● |
| Divided, counterdirectional sieve pan | | ● |
| 3-D cleaning system | | ○ |
| Sieves | | 3-track |
| Chaffer sieve | | ● |
| Total sieve area | m ² | 5.65 |
| Electrical sieve adjustment | | ● |
| Returns feed to accelerator | | ● |
| Visible from the cab on the go | | ● |

Grain tank

| | | |
|-------------------------|---------|------|
| Volume | l | 9000 |
| Pivoting angle | degrees | 98 |
| Offloading rate | l/s | 75 |
| QUANTIMETER yield meter | | ○ |

Chopper

| | | |
|------------------------------------|--|---|
| SPECIAL CUT 80 blade straw chopper | | ● |
| HD chaff spreader | | ● |
| Straw spreader | | - |

Running gear

| | | |
|--------|--|---|
| 4 TRAC | | ○ |
|--------|--|---|

Engine

| | | |
|--|------------|-------------|
| Manufacturer | | Caterpillar |
| Model | | C 9 |
| Cylinders / displacement | no. litres | S 6/8.8 |
| Engine control | | electronic |
| Rated speed | rpm | 2100 |
| Engine capacity at rated speed (ECE R 120) | kW/HP | 261/355 |
| Performance increase -100 rpm (ECE R 120) | kW/HP | 274/373 |
| TIER 3 EUROMOT IIIa emission standard | | ● |
| Fuel tank volume 650 litres | | - |
| Fuel tank volume 750 litres | | ● |

Weight

| | | |
|---|----|-------|
| (can vary depending on equipment) without cutterbar, chopper and chaff spreader | kg | 13450 |
|---|----|-------|

Tyres

| Model | 480 |
|------------------------------|-----------------|
| Tyre size | Outer width (m) |
| 1050/50 R 32 | 4.35 |
| 900 / 60 R 32 | 4.17 |
| IF 800/70 R 32 | 3.75 |
| 800/70 R 32 | 3.75 |
| 800/65 R 32 | 3.83 |
| 710/75 R 34 | 3.62 |
| IF 680/85 R 32 | 3.49 |
| 680 / 85 R 32 | 3.49 |
| 650/75 R 32 | 3.47 |
| 650/75 R 32 dual + 18.4 R 38 | 4.60 |

Tyres - steering axle

| Model | 480 |
|-------------------------------------|-----------------|
| Tyre size | Outer width (m) |
| Steering axle | |
| 600/55-26.5 | 3.61 |
| VF 520/80 R 26 | 3.35 |
| 500/85 R 24 | 3.35 |
| 500/70 R 24 | 3.35 |
| 16.5/85-24 | 3.29 |
| Tyres - 4-TRAC steering axle | |
| 600/55-26.5 | 3.61 |
| VF 520/80 R 26 | 3.49 |
| 500/85 R 24 | 3.49 |
| 500/70 R 24 | 3.29 |
| 16.5/85-24 | 3.29 |

● Standard ○ Option – Not available

CLAAS continually develops its products to meet customers' requirements, so 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 consult 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. Never remove these protective panels yourself to avoid hazards. Please refer to the relevant instructions in the operator's manual in this regard.

The power of persuasion. An abundance of outstanding features.

- The spacious VISTA CAB provides an exceptionally quiet environment which allows you to focus on your work
- Visual returns checked from the operator's seat through the illuminated inspection window
- The multifunction lever, CEBIS and CLAAS TELEMATICS ensure innovative, comfortable steering and control
- VARIO cutterbars in widths up to 9.12 m give up to 10% better performance by maximising crop flow
- AUTO CONTOUR is an intelligently controlled cutterbar which automatically compensates for undulations in the direction of travel as well as those in the transverse direction
- Especially versatile thanks to the standard and VARIO cutterbars, CONSPEED, SUNSPEED, RAKE UP, folding cutterbar and FLEX cutterbar
- Up to 20% more throughput with APS
- 7/18 concave for maximum separation, optimised grain quality and reduced returns
- APS + ROTO PLUS = APS HYBRID SYSTEM. A threshing technology unique in its class
- 3-D cleaning system for slopes up to 20%
- A grain tank capacity of up to 9,000 litres reduces offloading frequency in the field. The high offloading rate reduces the time to empty the tank. Together, these features considerably increase your daily output
- ACTIVE SPREADER for precise, even straw distribution over the entire working width
- Caterpillar C 9 built to comply with the latest emission standards, offer reliable reserves of power even in the toughest field conditions
- Ultraflex technology for optimal ground protection with limited transport width
- Fast, convenient access to maintenance points
- FIRST CLAAS SERVICE® around the clock



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