



The heartbeat of your harvest.
The new JAGUAR.



Unstoppable.
For more than 45 years.

With over 40,000 machines produced since 1973, the world's most successful forage harvester continues to ensure that millions of people can enjoy a glass of healthy milk every day. Our commitment to continuously developing the JAGUAR to meet your requirements has made this possible.

As a result, you can now benefit from a drive concept which offers fuel savings of up to 10% and which is at least 5% more efficient than the competition. Then there are our intelligent crop processing systems which allow you to produce forage able to increase the milk yield by up to one litre per day. And, as always, you can count on our worldwide CLAAS SERVICE, which is even available overnight.

A world champion in figures:

- **40,000** forage harvesters produced since 1973
- **80,000** owners, on basis of one resale per machine
- **160,000** JAGUAR operators, on basis of at least two operators per forage harvester
- **18,000,000** hp (estimated) of JAGUAR power in all markets to date

Thank you for making the JAGUAR such a success.



What makes the JAGUAR the world market leader?



Drive system.

In market comparisons, the drive system of the JAGUAR impresses with its outstanding efficiency. The transverse engine, whose output is matched precisely to the work systems, drives the chopping mechanism by means of a maintenance-free powerband.



Operator assistance systems.

Intelligent systems such as AUTO FILL, the new dynamic steering or the new CEMOS AUTO PERFORMANCE control the machine automatically and optimise their respective processes. In order to harvest as efficiently as possible, all the operator has to do is activate the automatic systems.



Comfort and operation.

You will find that you can operate the JAGUAR intuitively in next to no time. Only a few logically laid out central controls are required to operate the key functions. At the heart of this concept is the new CEBIS. The steering column and operator's seat can be adjusted to suit each and every operator.



Throughput.

With the straight-line JAGUAR crop flow, the crop runs through the entire machine without any awkward angles. This allows you to achieve maximum throughput (t/h) while requiring minimal power (l/t) and benefiting from highly reliable operation.



Fuel consumption.

The decisive factor is not the engine but the intelligent control of all the systems. From the front attachment to the crop discharge, the JAGUAR is designed to deliver top performance while saving fuel. Its consumption figures are impressively low.



Silage quality.

High-quality silage increases milk yields. That is why the quality of the chopped material delivered by our machines is the factor that drives everything we do. We equip your JAGUAR with technologies that have a critical influence on forage quality.

The heartbeat of your harvest.

At CLAAS, we know what really counts for operators and farmers: trouble-free harvesting and a good bottom line. That is why we do all we can to make our convincing machine concepts even more convincing.

With 925 hp controlled intelligently, throughput of up to 380 t/h and fuel consumption as low as 0.41 l/t¹, the new JAGUAR 990 is the powerful beating heart of every harvesting chain.



NEW:
JAGUAR 990



925 hp
Engine output



380 t/h
Throughput



0.41 l/t¹
Fuel
consumption



Contents.

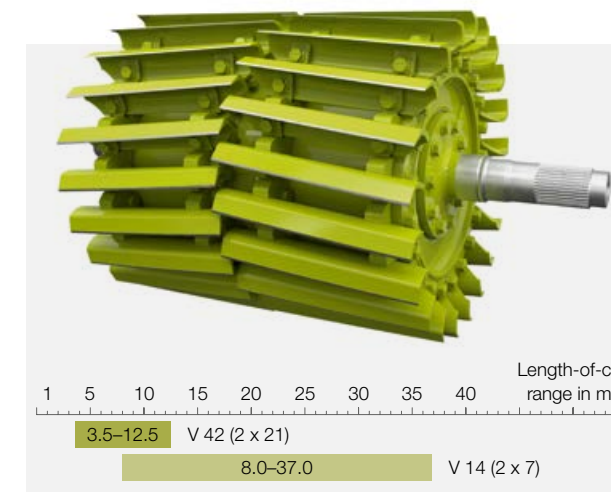
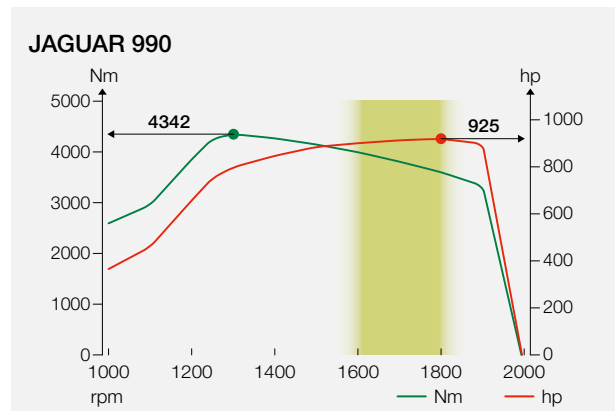
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Powerful performance. 925 hp for up to 380 t/h.

First-class chopping quality, outstanding throughput and low fuel consumption – the new JAGUAR 990 ensures optimal delivery of the output from the 925 hp MAN V-12 engine. To enable you to achieve shorter chop lengths we have completely revised the chopping cylinder. The JAGUAR 990 is therefore the first forage harvester to be equipped with the new V-MAX 42 knife drum.

The CEMOS intelligent operator assistance system and the new CEBIS control system assist your operators in running the JAGUAR as efficiently as possible throughout the campaign. CEMOS sets up the machine automatically while the CEBIS touchscreen makes control inputs easier.

All JAGUAR models comply with the relevant emission standards for their markets up to Stage V.



NEW: V-MAX 42. Full power. All lengths.

With 42 knives and a cutting frequency increased to 25,200 cuts/min., the new V-MAX 42 chopping cylinder can deliver particularly high throughput. Using the full engine output, it is able to provide top-quality chopped material at short chop lengths from 3.5 to 12.5 mm. If you require longer cuts for grass and SHREDLAGE®, simply use a third of the number of knives. The new V-MAX 42 is available as an option for the JAGUAR 990, 980 and 970.

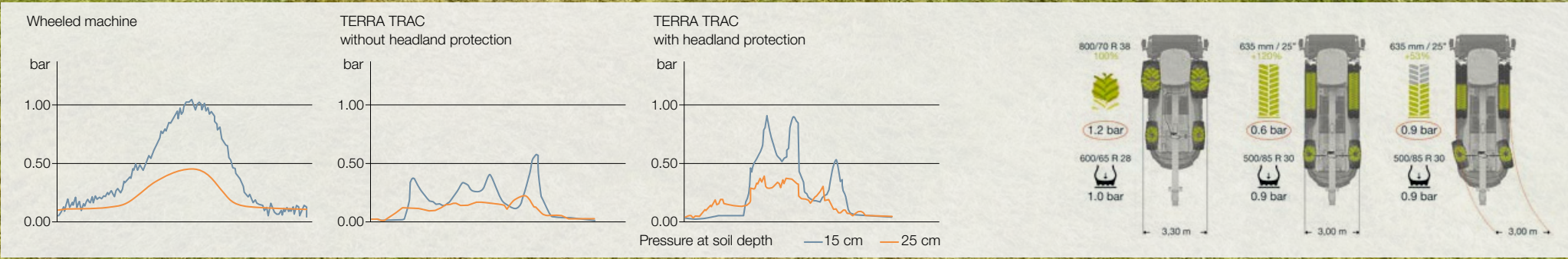
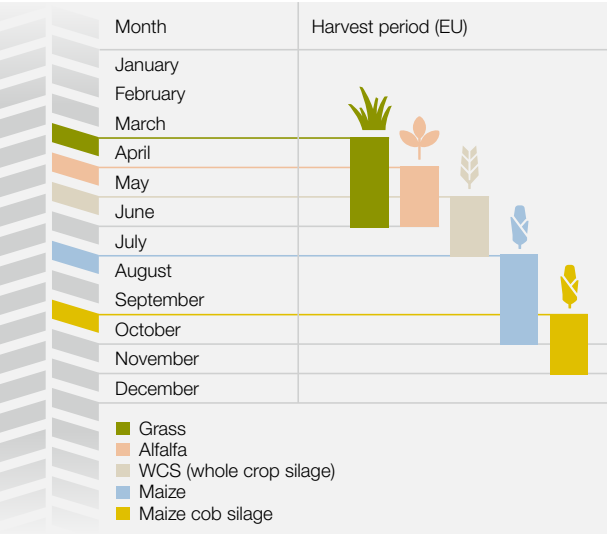


The soil is your greatest asset.
JAGUAR TERRA TRAC.

Only CLAAS offers you the soil protection provided by TERRA TRAC in combination with top performance. Like the familiar JAGUAR 960 TERRA TRAC, the new JAGUAR 990 is also available with crawler tracks. With its patented geometry, this drive concept exerts significantly less ground pressure than a wheeled machine.

Make use of the advantages of the crawler track system on all surfaces throughout the whole year.

- Powerful traction
- Gentle on the soil, even on the headland
- Narrow on the road



Even more gentle on the headland.

Studies of soil compaction and grass cover damage show that the results obtained for the JAGUAR TERRA TRAC when turning are almost as good as those for a wheeled machine, provided the former is equipped with headland protection and narrower rear tyres.

When a certain steering angle is reached at the headland, the two idler rollers of the crawler track unit are automatically pushed down. Only the drive wheel and the two idler rollers remain in contact with the ground. This reduces the track contact area by a third when cornering and has been demonstrated to prevent the tracks from applying a shearing force to the grass cover.



Full contact area 100%



Reduced contact area 66%

Assistance systems make good operators even better.

CEMOS (CLAAS electronic machine optimisation system) comprises all the electronic functions which automatically optimise the machine and a particular process. The operator only has to activate the automatic system.

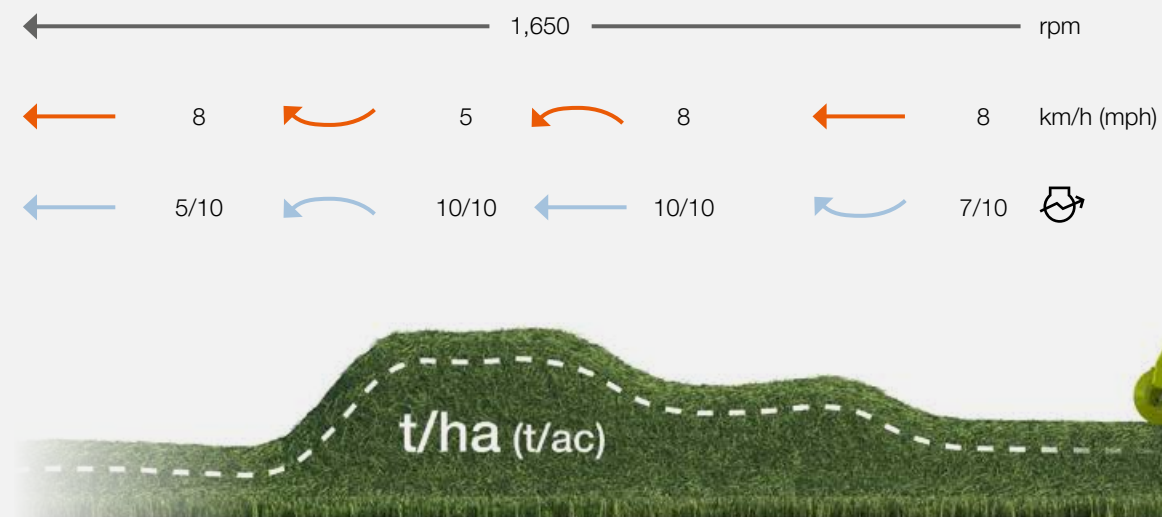
CEMOS AUTO PERFORMANCE.

The JAGUAR maintains the engine speed set by the operator and adjusts the engine output and ground speed in accordance with the volume harvested. When the volume harvested increases, the ground speed is reduced. A reduction in the volume harvested results in the automatic reduction of the engine output.

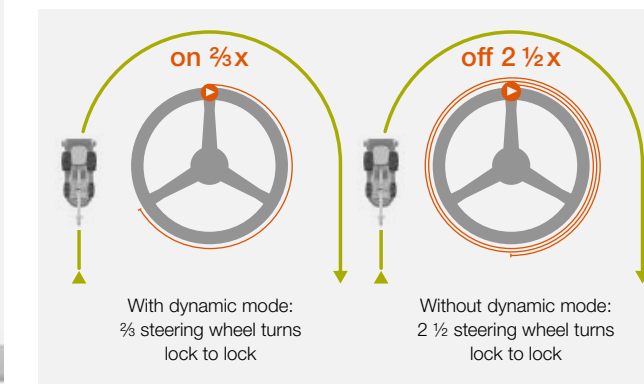


The advantages for you.

- A steady engine speed for a steady harvesting process
- Even crop flow for highly reliable operation
- Lower fuel consumption as a result of operating in an efficient engine speed range
- Pleasant driving characteristics thanks to absence of sudden load changes
- Operator's workload is reduced in demanding harvesting situations



Comfortable steering with dynamic mode.



The JAGUAR takes a maximum of five steering wheel turns to go from lock to lock. Many operators prefer a less demanding steering input when they have to turn at the end of the field. The dynamic steering system makes this possible.

When travelling straight ahead at up to 10 km/h, the operator now only needs 2/3 steering wheel turns lock to lock. From 10 to 20 km/h, the steering wheel turns required are increased dynamically. From 20 km/h, for the sake of safe driving at higher speeds, the full number of steering wheel turns is available again. Dynamic steering is activated and deactivated in CEBIS. It is possible to adjust the number of steering wheel turns required at any time.



CEMOS AUTO PERFORMANCE

Clean drive system.
New engines in the JAGUAR 900 / 800.

All the new engines comply with the relevant emission standards for their markets up to Stage V. The exhaust emissions of the JAGUAR 960-840 models are cleaned by selective catalytic reduction (SCR) in combination with a diesel particulate filter. The JAGUAR 990-970 models use an SCR system on its own. With the advent of Stage V, the output of the 960 / 880* models has been increased by 27 hp to 653 hp. The corresponding increase for the JAGUAR 940 / 860 models is 14 hp to produce 530 hp.

With an output of 925 hp, the JAGUAR 990 is the top model of the new generation. The JAGUAR 970 is now equipped with a new MAN 6-cylinder in-line engine with 790 hp and a displacement of 16.15 l. The displacement of almost 3 l per cylinder promises a stable power curve with sustained torque. This means that you can make your way through the densest maize crop while consuming as little as 0.41 l of fuel per tonne¹ – an impressively low figure in this performance class.

JAGUAR		990 NEW	980 NEW	970 NEW	960 NEW	950	940 NEW	930		
Emission standard										
	Engine	MAN V12 D2862	MAN V12 D2862	MAN S6 D4276	MB S6 473	MB S6 473	MB S6 471	MB S6 471		
Stage V	kW/hp	680/925	625/850	580/790	480/653	430/585	390/530	340/462		
Tier 4	kW/hp	680/925	625/850	580/790	460/626	430/585	379/516	340/462		
JAGUAR		990 NEW	980 NEW	970 NEW	960	950	940	930		
	Engine	MAN V12 D2862	MAN V12 D2862	MAN V12 D2862	MB V8 502	MB V8 502	MB V8 502	–		
Tier 3	kW/hp	680/925	625/850	588/800	480/653	390/530	350/476	–		
					880* NEW	870	860 NEW	850	840	830
	Engine				MB S6 473	MB S6 473	MB S6 471	MB S6 471	MB S6 470	–
Stage V	kW/hp				480/653	430/585	390/530	340/462	300/408	–
Tier 4	kW/hp				460/626	430/585	379/516	340/462	300/408	–
					880*	870	860	850	840	830
	Engine				–	MB V8 502	MB V8 502	MB S6 460	MB S6 460	MB S6 460
Tier 3	kW/hp				–	390/530	350/476	315/428	260/354	220/299

– Not available
12 *880 only for North America, Italy, Great Britain

¹ Internal measurement

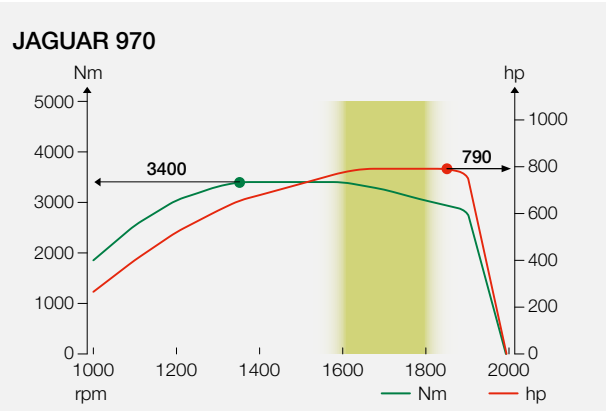


Powerful engines.

NEW: MAN D4276 in-line 6-cylinder unit with up to 588/790 kW/hp. This MAN S6 is notable for its high power density.



MAN S6 D4276



Operating the JAGUAR has never been easier.

Your operators can access all the machine functions quickly and easily thanks to the new CEBIS with a touchscreen. The most important adjustments can be made directly by means of switches on the armrest. Operating the JAGUAR is intuitive and is possible without previous knowledge. This means that even new operators can quickly handle the machine safely and reliably and use its performance capacity to the full.

Precise operation is ensured under all conditions, whether it's a question of negotiating a bumpy field or an operator who is just getting used to the system. The operator can adjust or operate the JAGUAR in four ways, as required.



1 CEBIS touchscreen.



The new CEBIS terminal reacts to a simple tap on the touchscreen. You have direct access to all the machine functions - e.g. to CEMOS AUTO PERFORMANCE.

2 CMOTION favourites management.



You can program seven settings as favourites and access them by rocker switches on the CMOTION control lever. You can therefore concentrate on watching the front attachment and crop flow while your hand remains on the CMOTION control lever.

3 CEBIS rotary/push switch and pushbutton.



Using the rotary/push switch with the Escape and Favourites buttons, you can easily navigate the CEBIS control panel, even when operating in bumpy terrain, to perform tasks such as sharpening the knives or adjusting the shear bar.

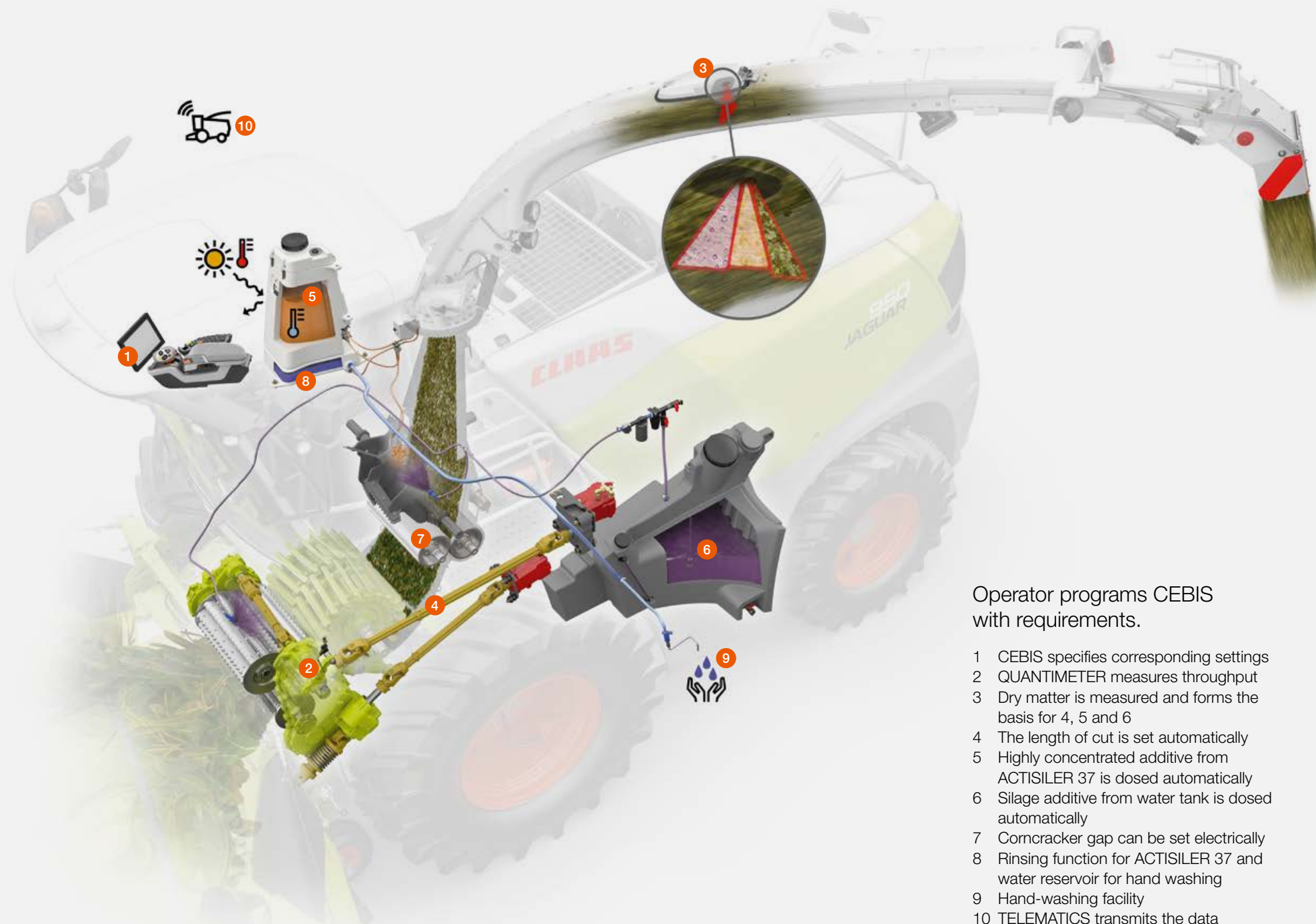
4 Direct adjustment via switches.



You can operate a selection of seven basic functions directly by means of assigned switches, e.g. to adjust the working width with the section switch.

High-quality silage. Forage at its finest.

High-quality silage increases the milk yield and stabilises animal health over the long term. The intelligent systems of the JAGUAR form the basis for excellent forage quality at the end of the process: with precisely dosed additives from the 375-litre tank or highly concentrated ones from the new ACTISILER 37.



Operator programs CEBIS with requirements.

- 1 CEBIS specifies corresponding settings
- 2 QUANTIMETER measures throughput
- 3 Dry matter is measured and forms the basis for 4, 5 and 6
- 4 The length of cut is set automatically
- 5 Highly concentrated additive from ACTISILER 37 is dosed automatically
- 6 Silage additive from water tank is dosed automatically
- 7 Corncracker gap can be set electrically
- 8 Rinsing function for ACTISILER 37 and water reservoir for hand washing
- 9 Hand-washing facility
- 10 TELEMATICS transmits the data

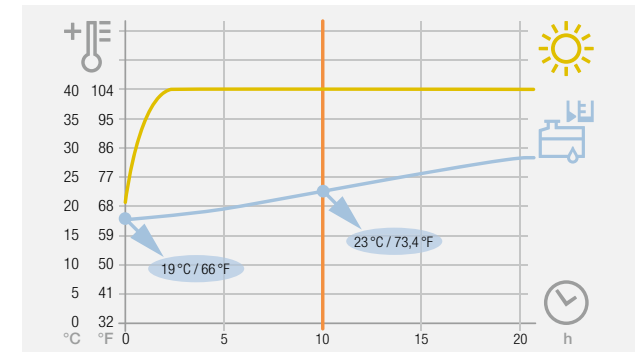
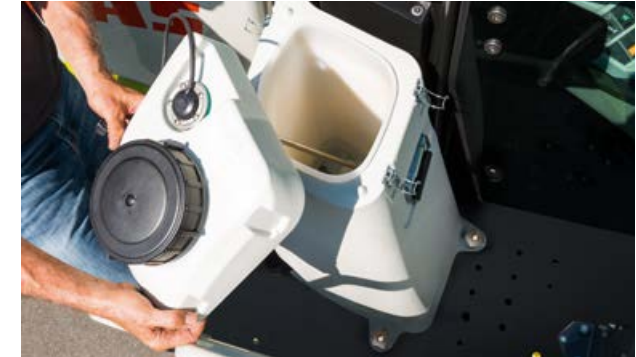
The new ACTISILER 37.

The double-wall ACTISILER 37 tank protects your silage additive concentrate from high temperatures. For example, if the tank is filled with concentrate at 19°C, it will rise to a maximum of 23°C over a period of ten working hours when the outside temperature is 40°C. The pump enables precise dosage from 0.2-20 l/h, or, based on throughput, 10-50 ml/t.

Dosage via CEBIS.

CEBIS provides the operator with a clear overview of the automatic interplay between the length of cut and the silage additive dosage applied on the basis of the measured dry matter content.

- 1 Length-of-cut indication
- 2 Dosage applied on basis of current dry matter content
- 3 Programmed dosage from large tank
- 4 Programmed ACTISILER 37 dosage



Extremely precise NIR sensor.

The dry matter content value determined by the near infrared sensor serves as a reference for setting the length of cut and the additives.

As well as measuring the dry matter content, the NIR sensor determines constituents which vary depending on the crop concerned. The values measured can be used as the basis for documentation.



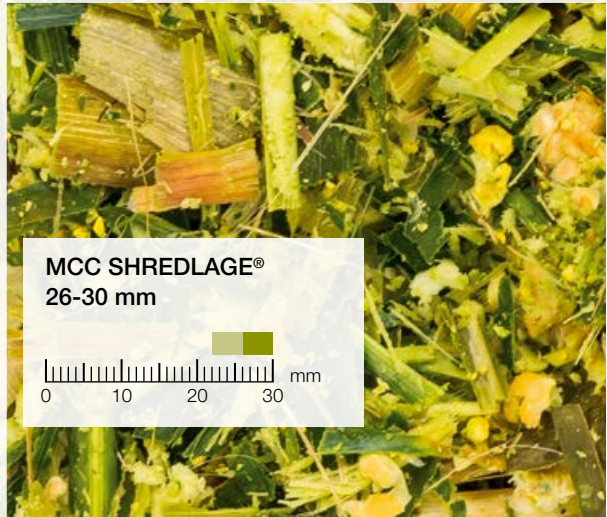
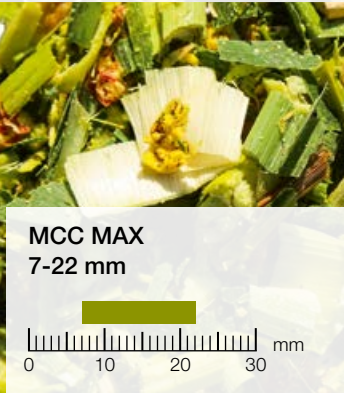
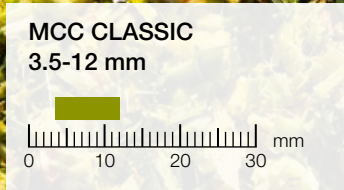
V-MAX chopping cylinder.

CLAAS offers five variants of the V-MAX chopping cylinder with differing knife configurations in accordance with the different market requirements.

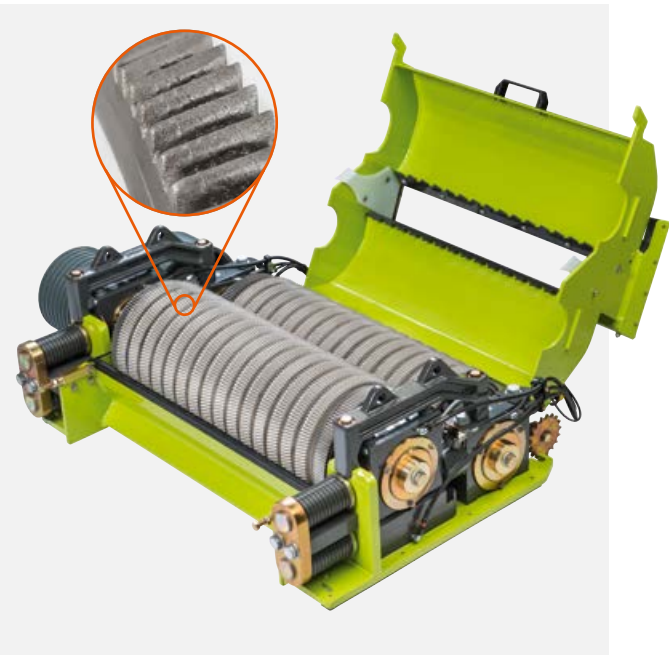
¹ When the machine is operating with a corncracker, lengths of cut of up to 30 mm are approved in combination with a symmetrical knife arrangement.

Lengths of cut.

Drum	No. of knives			Length-of-cut range in mm ¹
	Full	Half	One third	
V 20	20 (2 x 10)	10 (2 x 5)		5–26,5 10–53
V 24	24 (2 x 12)	12 (2 x 6)		4–22 8–44
V 28	28 (2 x 14)	14 (2 x 7)		4–18,5 8–37
V 36	36 (2 x 18)	18 (2 x 9)	12 (2 x 6)	3,5–14,5 7–29 10,5–43,5
V 42	42 (2 x 21)		14 (2 x 7)	3,5–12,5 8–37



Highly wear-resistant. MCC MAX.

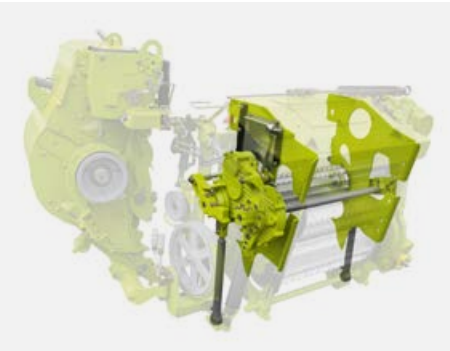


The MCC MAX rollers of the corncracker are equally well suited to short or long maize, WCS and maize cob silage. In the new JAGUAR, they are coated with highly wear-resistant Buser DUR®, which promises a significantly longer service life.

Its reliability
is your strength.

Reliable machines are the backbone of your business. That is why the JAGUAR is designed for maximum reliability, outstanding durability and a long service life. In order to ensure that you can count on your machine for every minute of the harvest, we examine every detail and pursue a policy of systematic development.

Feeder housing.



- Standard hydraulic precompression, exclusive to JAGUAR
- The reinforced feed roller is designed for high throughput
- Larger wear plates on the sides of the precompression rollers reduce dirt and noise
- Maintenance is facilitated by the use of clamps to secure the rollers

Drum housing.



- The service life of the drum bearings has been doubled
- The significantly improved sealing of the sharpening system reduces dirt ingress and reduces noise
- Flat-face coupling for easier maintenance of feeder housing and knife drum housing

Discharge spout rotation ring.



- The rotation ring on the discharge spout has been reinforced
- Wear-resistant, long-lasting material for high reliability



Guaranteed to last.

Wear warranty for the PREMIUM LINE Professional¹ and Advanced² packages.

- 1 Toothed bars¹
- 2 Feed roller stripper bar^{1, 2}
- 3 Knife drum concave^{1, 2}
- 4 Guide plate^{1, 2}
- 5 Rear wall of grass chute^{1, 2}
- 6 Vanes¹
- 7 Accelerator housing, two-part¹
- 8 Accelerator housing, left and right sides¹
- 9 Accelerator rear wall^{1, 2}
- 10 Lower discharge chute plate, front / rear ^{1, 2}
- 11 Rotation ring plate^{1, 2}
- 12 All discharge spout wear plates^{1, 2}



PREMIUM LINE

The new JAGUAR 800. Systematically enhanced.

The JAGUAR 800 model series has been a firm favourite with farmers and contractors around the world for years. When it comes to enhancing its systems and components, we concentrate on everything that will make it more productive, versatile and comfortable for you during harvesting. Increasing the output of the engine - which now meets the Stage V emission standard - to 653 hp (JAGUAR 880) and 530 hp (JAGUAR 860) - is just one of these measures. Others include:

- NEW: CEBIS with touchscreen for even more comfortable operation
- New length-of-cut ranges which reflect the requirements of the market
- NEW: More powerful front attachment drive for operating the wide DIRECT DISC 600
- New ACTISILER 37 thermotank for top-quality silage
- NEW: More powerful ground drive with 11% more tractive power



Front attachment drive reinforced.

The powerful, four-groove front attachment drive and the front axle have been completely revised so that you now also have the option of using the DIRECT DISC 600 on the JAGUAR 880 and the JAGUAR 870. The impressive working width allows you to perform mowing and chopping in a single pass.



Engine output raised.

CLAAS POWER SYSTEMS encompasses the full range of drive technology matched to the ideal engine to form an optimally tuned drive system. In the JAGUAR 880¹, the engine output has been increased by 27 hp to 653 hp. And with an increase of 14 hp bringing its output to 530 hp, the JAGUAR 860 sets new standards in its performance class.

¹ For North America, UK, Ireland and Italy



Tractive power increased.

An increase in the system pressure adds another 11% to the tractive force of the powerful hydrostatic ground drive. This means that you can call on huge reserves of power, even in the most challenging conditions.

Length-of-cut ranges adjusted.

In order to meet the requirements of the market, the boundaries of the longer length-of-cut ranges have been adjusted.

User-friendliness integrated.

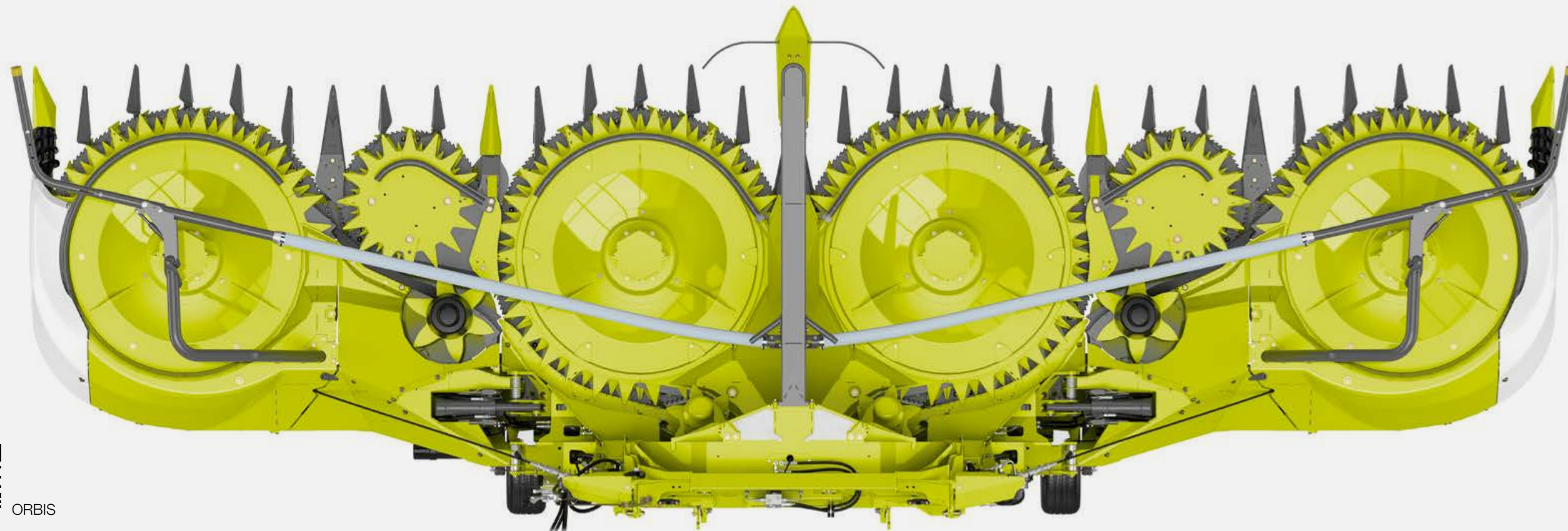
The steering column with three-way adjustment, CEBIS with touchscreen and the convenient control armrest from the JAGUAR 900 model series are now also available to you in all JAGUAR 800 models.

Heads-up. ORBIS 600 and 450.

The ORBIS row-independent maize front attachments combine completely new design and drive ideas with the practical experience we have gained around the globe. Our model range, whose reliability and smoothness have made it such a success, grows again this year with the addition of the ORBIS 600 with large discs and the ORBIS 450.

The advantages for you.

- Efficient drive concept with 11% lower starting torque than comparable models
- Engage and reverse under full load
- Straight-line crop transfer from ORBIS to JAGUAR for top chop quality
- Uniform crop flow across the entire width of the feed roller housing
- Extremely flat design for even stubble and very low stubble heights of up to 85 mm
- ORBIS 600 SD with small discs for short to medium crop heights
- NEW: ORBIS 600 with large discs for medium to extremely tall maize
- Folds out symmetrically within just 15 s (ORBIS 750)
- Integrated transport system available with ORBIS 600 and higher
- PREMIUM LINE ex factory



ORBIS 900



ORBIS 750



ORBIS 600

NEW



ORBIS 600 SD



ORBIS 450

NEW



PREMIUM LINE. Outstanding protection against wear.

For extremely demanding operations over very long periods or when working in fields with a high sand content, you can specify the ORBIS maize front attachment equipped with highly wear-resistant parts ex factory. Crop flow parts subject to wear, such as guide strips, knives and feed drums are optionally available in wear-resistant PREMIUM LINE quality.



ORBIS

Straightforward maintenance. Bright as day, even at night.

The greater the extent to which maintenance tasks can be simplified, the greater the amount of time, energy and effort which can be saved by operators and mechanics. Our JAGUAR models have always had a particularly clear component layout and excellent accessibility – for example via QUICK ACCESS for a fast inspection of the chopping mechanism. In the new models, these qualities are complemented by LED maintenance lighting which illuminates all the key maintenance points as bright as day when it is dark.

LED maintenance lighting.

- Very good light output
- Excellent illumination
- Light sources do not get hot
- Low power consumption



Maintenance lighting.

- 3 x LED in cab access area
- 1 x LED below the cab
- 1 x LED under the left-hand side panel
- 1 x LED under the rear panel
- 2 x LED under the right-hand side panel
- 1 x LED in maintenance compartment
- 1 x H3 hand lamp with magnetic base
- 1 x LED in tool compartment
- 1 x LED in battery compartment





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Ensuring a better **harvest.**