Forage harvesters

JAGUAR

1200 | 1100 | 1090 | 1080

CLAAS

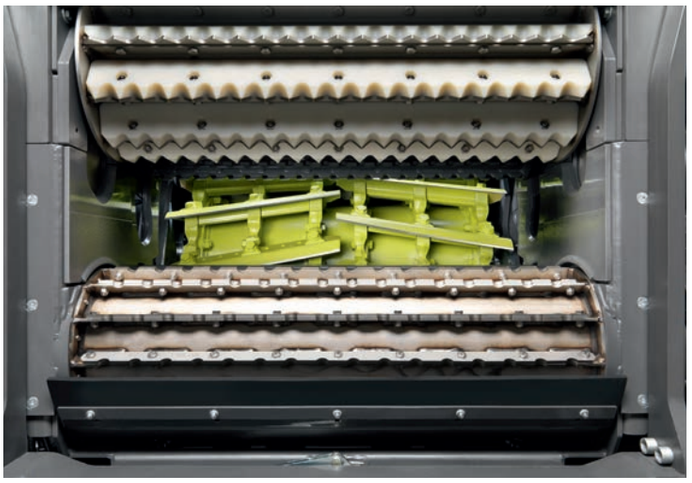
20% more throughput.*

Throughput is not just a question of engine power. All the components – from the feeder unit to the discharge spout – have to be designed to handle the throughput and perfectly coordinated to work together.

With the widest feeder unit in the market, a chopping cylinder width of 35.8 in (910 mm) and engines capable of up to 1,110 hp, the four JAGUAR models – 1200, 1100, 1090 and 1080 – are able to obtain tremendous throughput rates. Think of the high output of the JAGUAR 990 and add another 20% to it.

* Compared with the JAGUAR 990 under comparable conditions

▲ High-performance front attachments like the new PICK UP, which provides unrestricted feeding with no need for overload protection, can increase your harvest performance significantly.



▲ The coordinated crop flow system – which is the widest in the market at up to 35.8 in (910 mm) – can deliver 20% more throughput in all length-of-cut ranges.

The wider front attachments allow full utilization of the machine capacity

▲ With its large cross-section, the discharge spout is designed to deliver high throughput reliably.

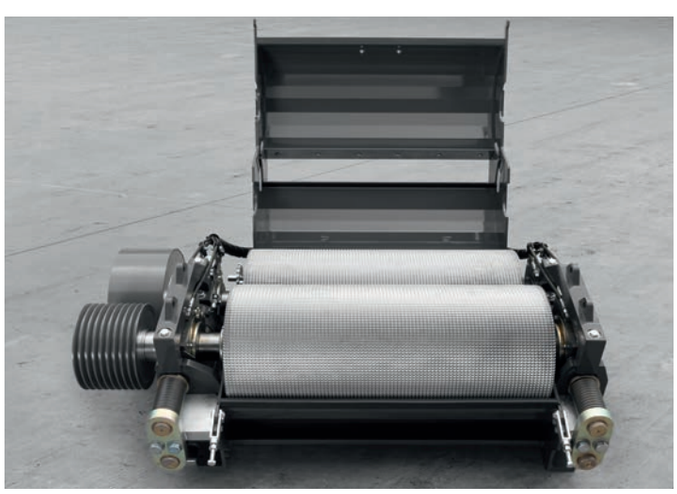
Our best chop quality ever.

With fully hydraulic precompression, a 35.8 in (910 mm) wide V-Flex chopping cylinder, and largest corncracker on the market the JAGUAR 1000 delivers perfect chop quality.

The ability to adjust the speed of the front attachments and the feeder unit independently and continuously makes for an optimal crop flow. The PREMIUM LINE parts provide effective protection against wear.

▲ The fully hydraulic precompression enables high throughput in all crops and lengths of cut while maintaining uniform chop quality.

▲ The 35.8 in (910 mm) wide V-FLEX chopping cylinder cuts cleanly and precisely. Flexible configuration options allow the cylinder to meet extremely varied requirements.



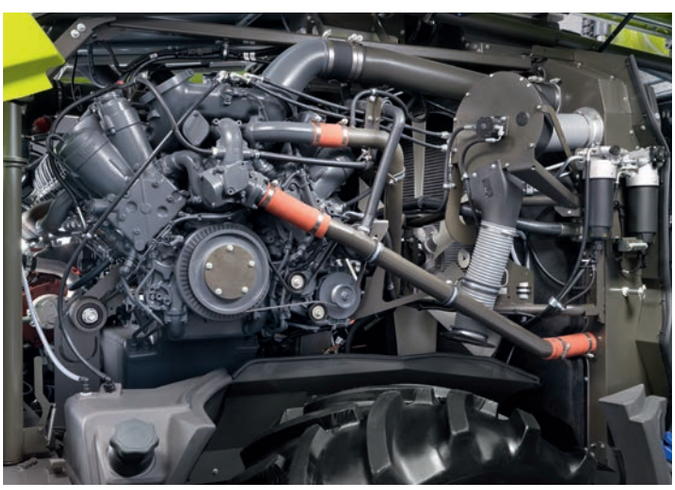
▲ The MULTI CROP CRACKER XL uses a 12.2 in (310 mm) diameter roller and impresses with its ability to deliver sustained high throughput with an excellent processing score.

▲ High quality silage for more milk and increase weight of gain. CLAAS Connect enables direct quality analysis of kernel processing.

Less fuel per ton.

Higher throughput results in less fuel consumed per ton of feed.

The JAGUAR 1000 implements this principle to perfection: with an even and wide crop flow, a precise, clean cutting action and a direct drive layout with a transverse diesel engine. Operator assistance systems help you harvest continuously at high capacity. You benefit from a machine which delivers higher harvesting performance with maximum efficiency.



▲ The transverse engine transmits the large output of up to 1,110 hp directly and efficiently. The output is ideally matched to the wide crop flow and the front attachments.

▲ DYNAMIC COOLING applies only as much cooling as the JAGUAR needs at any time. An extractor system cleans the radiator screen continuously during field work and road travel.

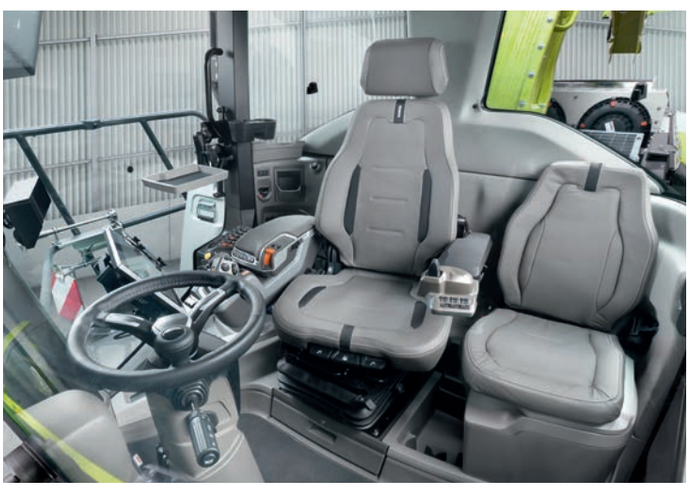
▲ CEMOS maintains the engine speed set by the operator and adjusts the engine output and ground speed in accordance with the yield harvested. CEMOS AUTO CROP FLOW provides overload protection.

▲ A wider working width means significantly fewer passes and therefore more effective harvest performance. CLAAS connect links your harvesting chain so that you can make even better use of your resources.

Our quietest cab ever.

The JAGUAR 1000 series attains a new level of comfort and convenience with its all-new cab design offering a pleasant sense of space and an impressively low noise level. Assistance systems such as AUTO FILL, CEMOS AUTO PERFORMANCE, GPS PILOT and CEMIS 1200 enable stress-free working and efficient operation all day long.

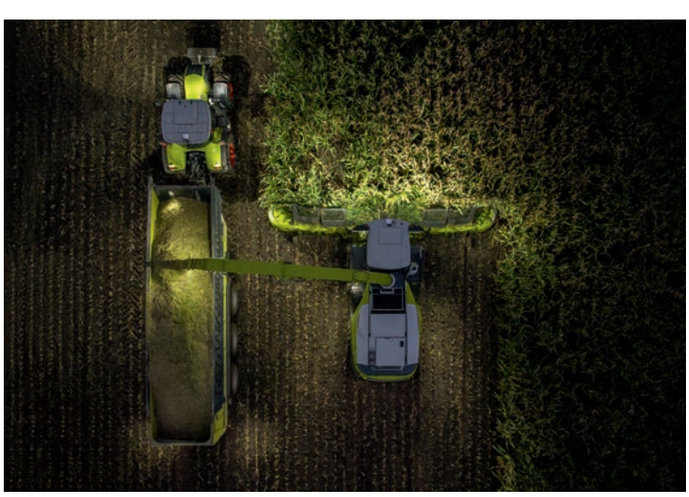
Because the more pleasant the workplace, the greater the effectiveness of the JAGUAR operator. Maneuvering the machine with the joystick steering system is effortless and the operator can concentrate fully on their work.



▲ High comfort, low noise level, excellent all-round visibility: the spacious cab mounted on silent blocks provides a pleasantly stress-free working environment, even during long days in the field.

▲ A large windscreen and side windows give you an excellent view of the entire work area.

▲ Maneuvering has never been more effortless: the steering joystick and freely programmable function buttons are situated in the left-hand armrest.



▲ CLAAS connect lets you pre-plan jobs in the office before transmitting them to the machine. The operator can also plan jobs aboard the JAGUAR before working through them.

Our most capable JAGUAR.

Inspired by the best. Our engineers drew on many years of experience and feedback from our customers while developing the JAGUAR 1000.

With wider front attachments, a wider crop flow channel and an ideally matched engine output of 1,110 hp, you are able to achieve up to 20% higher throughput. The feeder unit with fully hydraulic precompression enables an even crop flow in all harvesting conditions. The V-FLEX chopping cylinder and the corncracker deliver perfect chop and forage quality. All these elements work together to enable the best possible harvest.

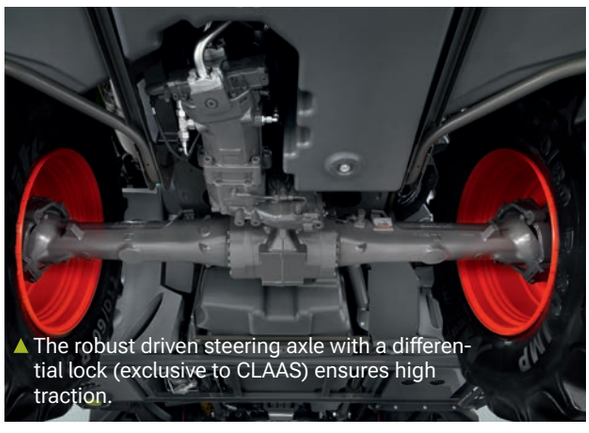
1. Wide front attachments with two independently variable drives for an optimal crop flow
2. Wide feeder unit with fully hydraulic precompression for greater throughput
3. 35.8 in (910 mm) wide V-FLEX chopping cylinder for precise chop quality
4. MULTI CROP CRACKER XL with a 12.2 in (310 mm) roller diameter and a very large contact area for optimal kernel processing

"In developing this JAGUAR, CLAAS focused 100% on customer requirements. Our project team put everything they had into meeting them!"

Stefan Look, JAGUAR product manager

▲ The 80° opening angle of the feeder housing gives you convenient access to the chopping cylinder.

▲ MAN V12 diesel engine with up to 1,110 hp.



▲ The robust driven steering axle with a differential lock (exclusive to CLAAS) ensures high traction.

5. Flexible crop acceleration with adjustable engagement for maximum efficiency
6. Wide discharge spout which can be adapted easily to different front attachment widths
7. Strong chassis with robust axles and large tire up to 98.5 in (2.15 m)
8. Chassis designed for high traction with tire pressure control system, 4-wheel-drive system with front and rear differential locks (rear lock exclusive to CLAAS)
9. NUTRIMETER for crop analysis and adjustment of length of cut and silage additive dosage
10. CLAAS connect brings together many digital functions from harvest planning, quality control and evaluation to machine optimization and harvest chain management

ORBIS 10500, 9000.
More width, more efficient

1. High reliability through press-hardened, dimensionally stable substructure and PREMIUM LINE parts
2. Individually removable guide fingers enable adjustment to prevailing harvesting conditions
3. Cutting discs with high cutting frequency provide clean cutting performance under all harvesting conditions
4. Hardox transport discs combine a long service life with reduced weight

Harvest wider, finish sooner.

The ORBIS series with working widths of 35 ft (10.50 m) and 30 ft (9.00 m) is matched perfectly to the high engine output and crop throughput of the JAGUAR 1000. With its wide transfer section, the corn front attachment feeds the crop evenly to the crop flow channel with a width of up to 910 mm. As a result, you always attain maximum throughput and precise chop quality.

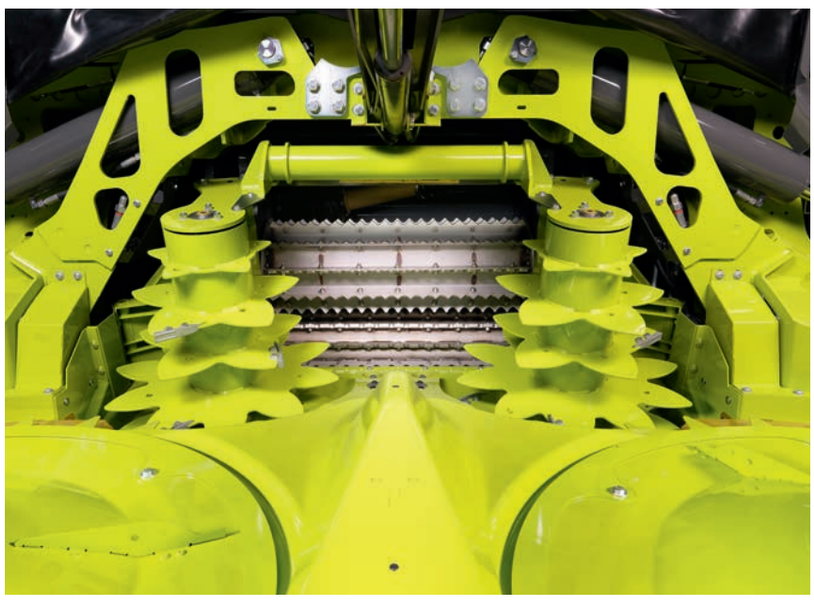
Even under difficult conditions, when harvesting downed corn, for example, the ORBIS ensures efficient crop intake. This is enabled by the open design of the side panels and the scope for flexible configuration. The transport discs in the feed channels of the ORBIS front attachment feed the plants reliably into the feeder unit.

A greater working width means less turning on the headlands. The installed engine power is optimally converted into throughput.

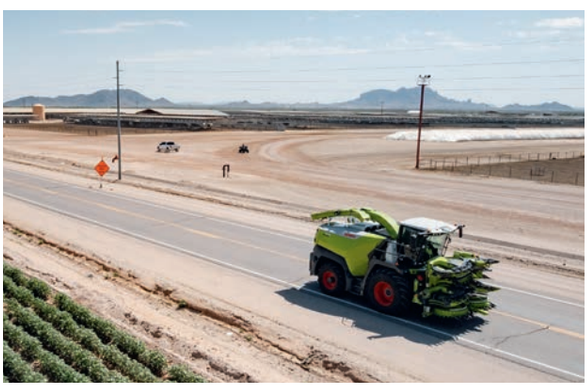
Convenient on the road.
The ORBIS 10500 can be folded from a working width of 35 ft (10.50 m) to a transport width of 11 ft (3.30 m) and the ORBIS 9000 from 30 ft to 10 ft (9.00 m to 3.00 m). You do not even need to get out of the cab: a touch of a button is all it takes to fold the ORBIS and the transport protection into the working or transport position.

5. High throughput is enabled by a wide crop flow transfer section with a self-supporting intake
6. Coordinated transfer to the feeder unit by means of intake drums with hydraulic, variable speed adjustment

▼ Even crop transfer. As the ORBIS has two independent drives, you can vary the speed of the transport discs separately from that of the intake drums in the transfer section. This means that, whatever the length of cut, the crop is transferred evenly to the precompression rollers.



Precise in the field.
AUTO CONTOUR enables excellent ground adaptation. Three sensors detect ground irregularities and adjust the programmed working height accordingly. The ORBIS 10500 is additionally equipped with actively controlled stabilizer wheels which ensure fast, smooth adaptation. The ideal working height is maintained constantly, regardless of the topography and the ground speed. In addition, CEMOS AUTO HEADER automatically coordinates the speeds of the front attachment elements on the basis of a number of parameters, thereby optimizing the crop flow and increasing performance.



▼ AUTO CONTOUR and the active stabiliser wheels guide the corn header smoothly and precisely over the ground.

PICK UP: performance to match JAGUAR power.

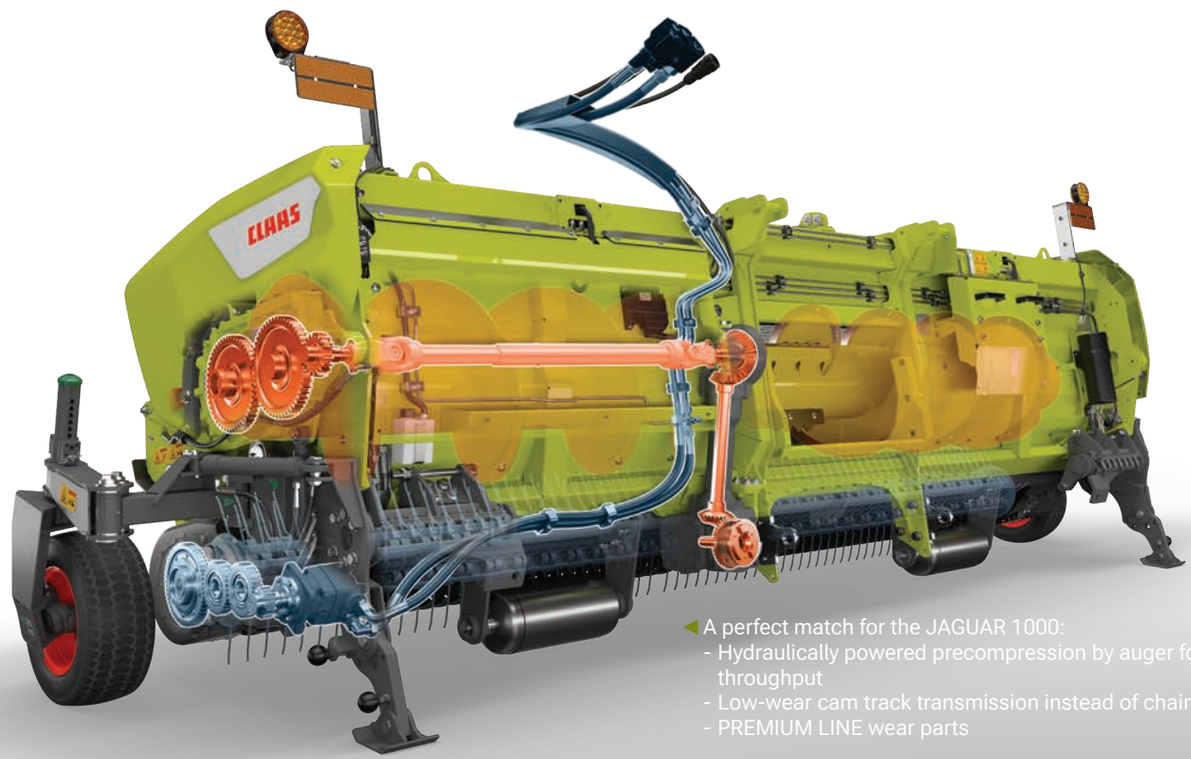
The PICK UP 4500 and 3800 units have been specially developed for the JAGUAR 1000 to make efficient use of the full engine output during stalk crop harvesting. The pickup tines are now driven by a low-wear cam-track transmission resulting in a new dimension of throughput and reliability.

Constant hydraulic precompression applied to the harvested material by the intake auger creates an even crop flow to the feeder unit. The speeds of the pick-up reel and the intake auger are automatically varied independently of each other on the basis of the length of cut setting and the ground speed.

Reliable drive train to handle up to 1,110 hp

▶ The robust drive train is perfectly matched to the power of the JAGUAR. All the transmission units are designed for low maintenance and ensure reliably high throughput.

Robust design for high throughput.



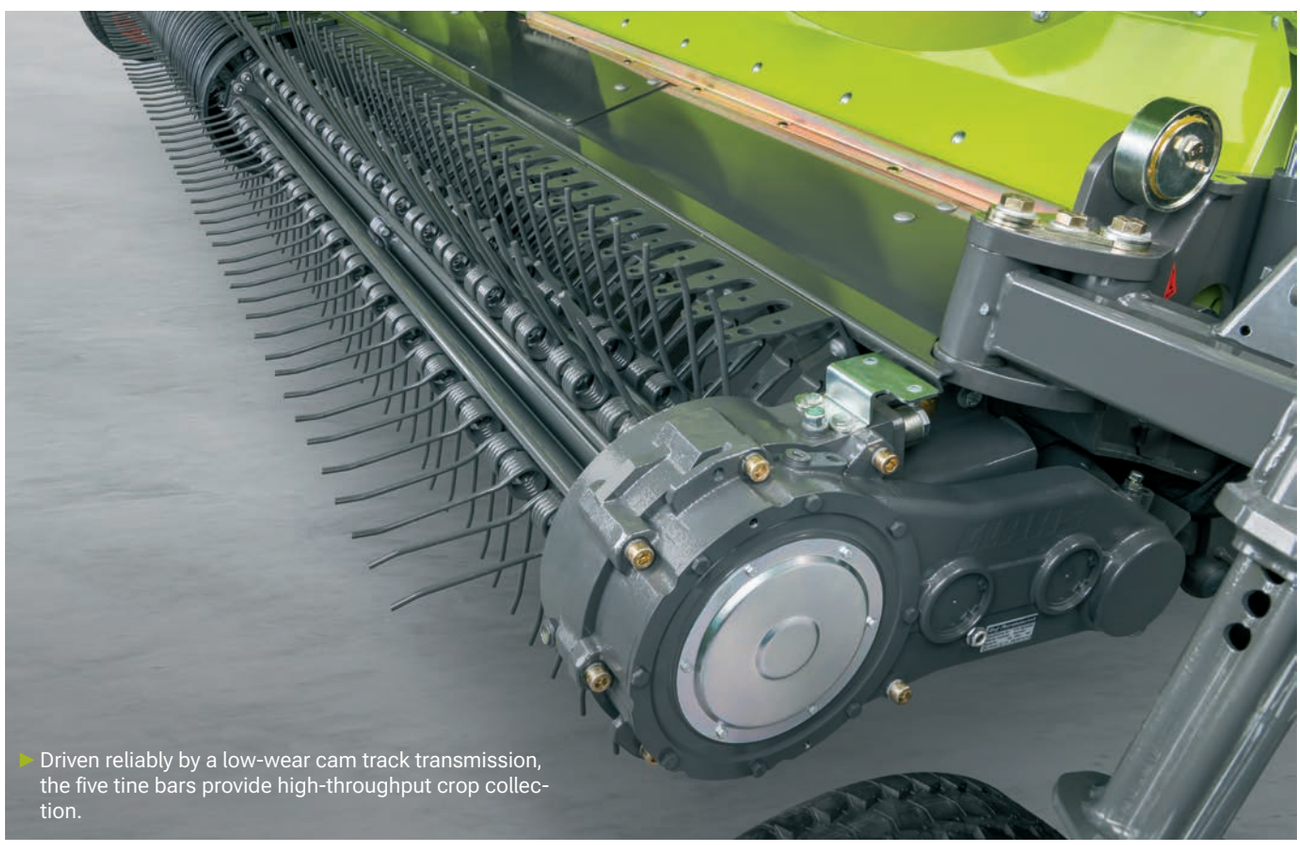
◀ A perfect match for the JAGUAR 1000:
- Hydraulically powered precompression by auger for very high throughput
- Low-wear cam track transmission instead of chain drive
- PREMIUM LINE wear parts

Optimum ground-contour following.
ACTIVE CONTOUR and a flexibly mounted pick-up reel enable efficient forage collection in difficult conditions, such as uneven or hilly terrain.

In addition, CEMOS AUTO HEADER automatically adjusts the speed of the front attachment on the basis of several parameters, thereby improving the crop flow and increasing overall performance.

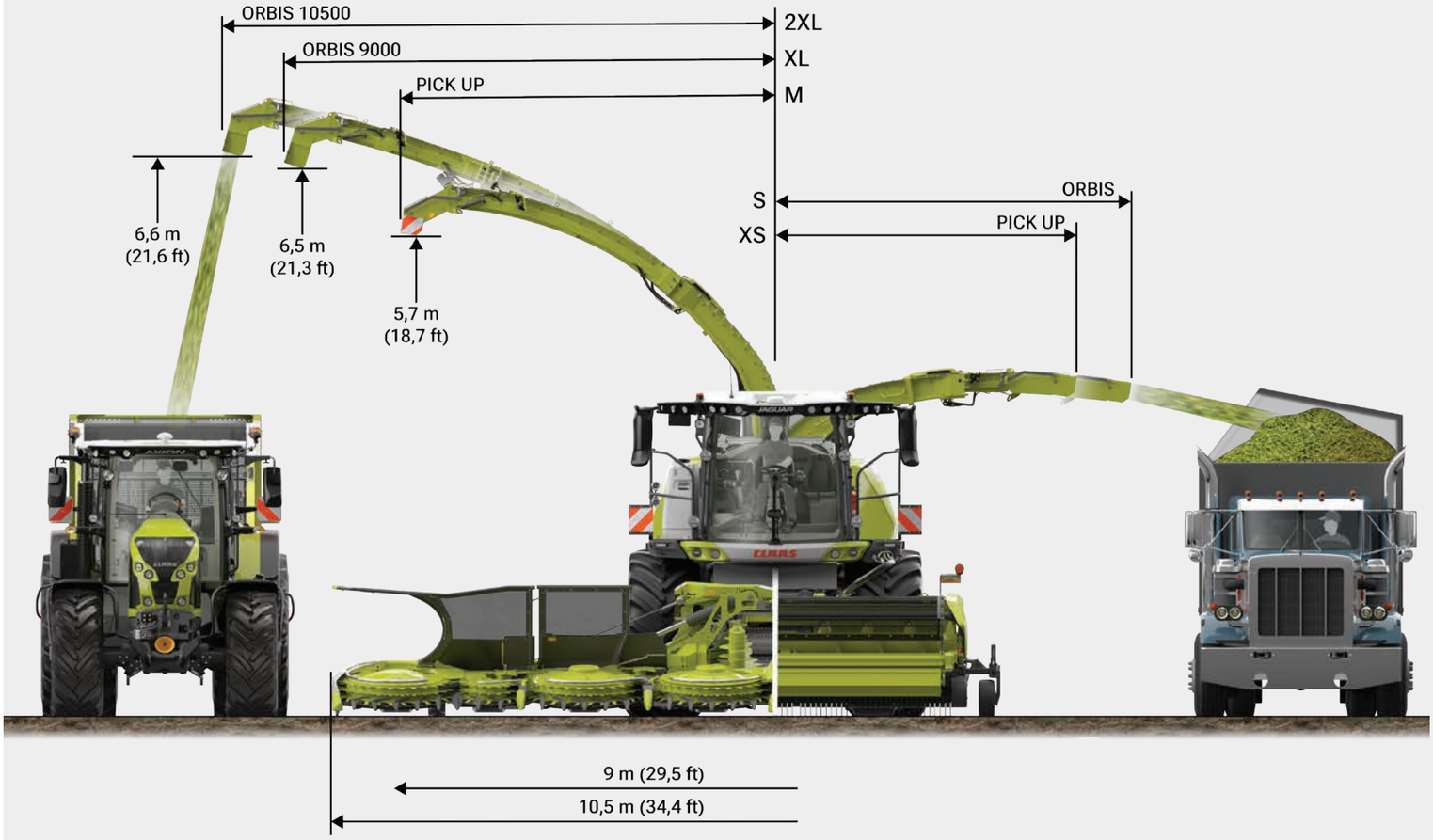
▼ Hydraulic auger precompression acts on the crop like a fifth precompression roller, optimizing flow and throughput.

▼ Convenient maintenance. Removing a tine bar simply involves undoing a single bolt. The pick-up bands are secured by a click-lock mechanism.



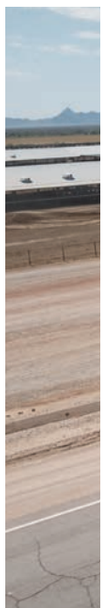
▶ Driven reliably by a low-wear cam track transmission, the five tine bars provide high-throughput crop collection.

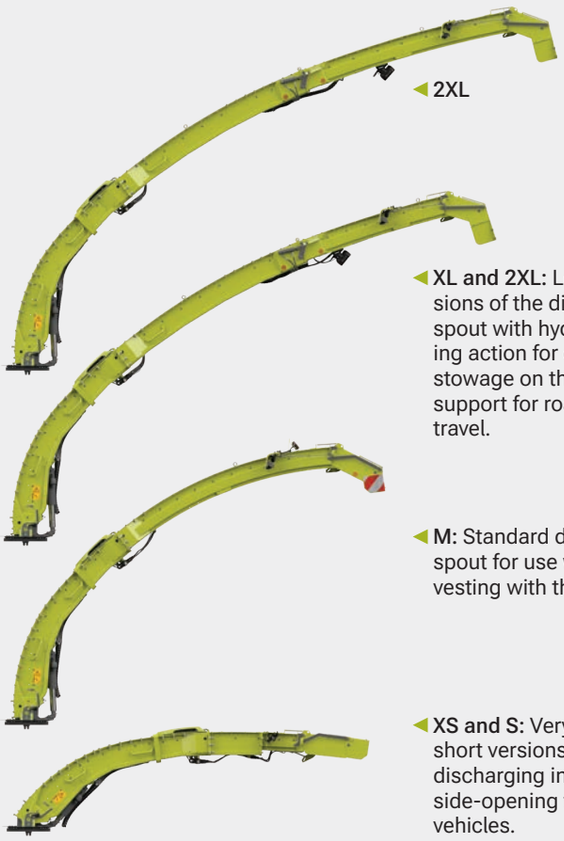
Optimal view of the spout.



Discharge safely and conveniently.

The large volumes of harvested material are centered in the lower discharge chute and projected through the large discharge spout to land accurately in the transport vehicle. The heavy-duty rotation ring with integrated overload protection enables a large swivel angle of up to 225°.





◀ 2XL

◀ **XL and 2XL:** Long versions of the discharge spout with hydraulic folding action for compact stowage on the spout support for road-legal travel.

◀ **M:** Standard discharge spout for use when harvesting with the PICK UP.

◀ **XS and S:** Very short and short versions for direct discharging into side-opening transport vehicles.

▲ Well thought-out discharge spout design:
- Large cross-section for high, reliable throughput
- Robust construction for long service life
- Easy fitting procedure of extensions
- Excellent wear protection provided by PREMIUM LINE parts

▲ Changing over from working to transport mode is performed quickly and easily at the touch of a button. The 2XL spout is automatically swivelled, folded and stowed compactly on the spout support.

▼ Direct discharging to the side is usual practice in California for enclosed crop transport on the road.

▼ Standard version with constant radius for loss-free discharging, even when handling difficult loads such as very dry material.

▼ Long, straight spout extension for efficient loading of transport vehicles travelling at a distance to the side or rear.

Highly flexible.
The standard spout is sufficient when using the PICK UP for swath collection. In the case of corn harvesting with wide ORBIS front attachments up to a working width of 35 ft (10.50 m), extension of the discharge spout is necessary. The corresponding end section is simply hooked into place and secured with bolts. Hydraulic couplings and electrical plug connectors also help to simplify the process.

JAGUAR 1000		1080	1090	1100	1200
Engine					
Manufacturer		MAN	MAN	MAN	MAN
Type		D2862	D2862	D2862	D2862
Cylinders		12	12	12	12
Displacement	l	24.24	24.24	24.24	24.24
Maximum output (ECE R 120)	hp (kW)	850 (625)	925 (680)	1020 (750)	1110 (816)
SCR exhaust gas aftertreatment, Tier 4 and Stage V		●	●	●	●
Fuel tank (standard)	gal (l)	396 (1500)	396 (1500)	396 (1500)	396 (1500)
HVO ready		●	●	●	●
Urea tank	gal (l)	38 (145)	38 (145)	38 (145)	38 (145)
Fuel consumption measurement		●	●	●	●
Chassis					
Hydrostatic ground drive with 2-speed transmission		●	●	●	●
Differential lock, front		○	○	○	○
Differential lock, rear		○	○	○	○
Track width extension for steering axle 9 in (230 mm) / 12.2 in (310 mm)		○	○	○	○
Steering axle, 4-TRAC 4-wheel drive		○	○	○	○
Tire pressure control system – front axle		○	○	○	○
Water / silage additive tank, content 99 gal (375 l)		●	●	●	●
Silage concentrate system, ACTISILER 37, capacity 9.7 gal (37 l)		○	○	○	○
Front attachments					
ORBIS 10500 / 9000 working width 35 ft (10.5 m) / 30 ft (9.0 m)		○	○	○	○
PICK UP 4500 / 3800 Working width 15 ft (4.5 m) / 12 ft (3.6 m)		○	○	○	○
Earlage Adapter		○	○	○	○
Front attachment drive					
Front attachment drive, fully variable - PICK UP reel drive, variable - ORBIS intake drum drive, variable		●	●	●	●
Feeder unit					
Width 34.6 in (880 mm)		●	●	●	●
Feed and precompression rollers, no.: 4		●	●	●	●
Precompression, fully hydraulic (automatic)		●	●	●	●
COMFORT CUT length of cut adjustment, infinitely variable		●	●	●	●
Chopping cylinder					
Width 35.8 in (910 mm)		●	●	●	●
Diameter 24.8 in (630 mm)		●	●	●	●

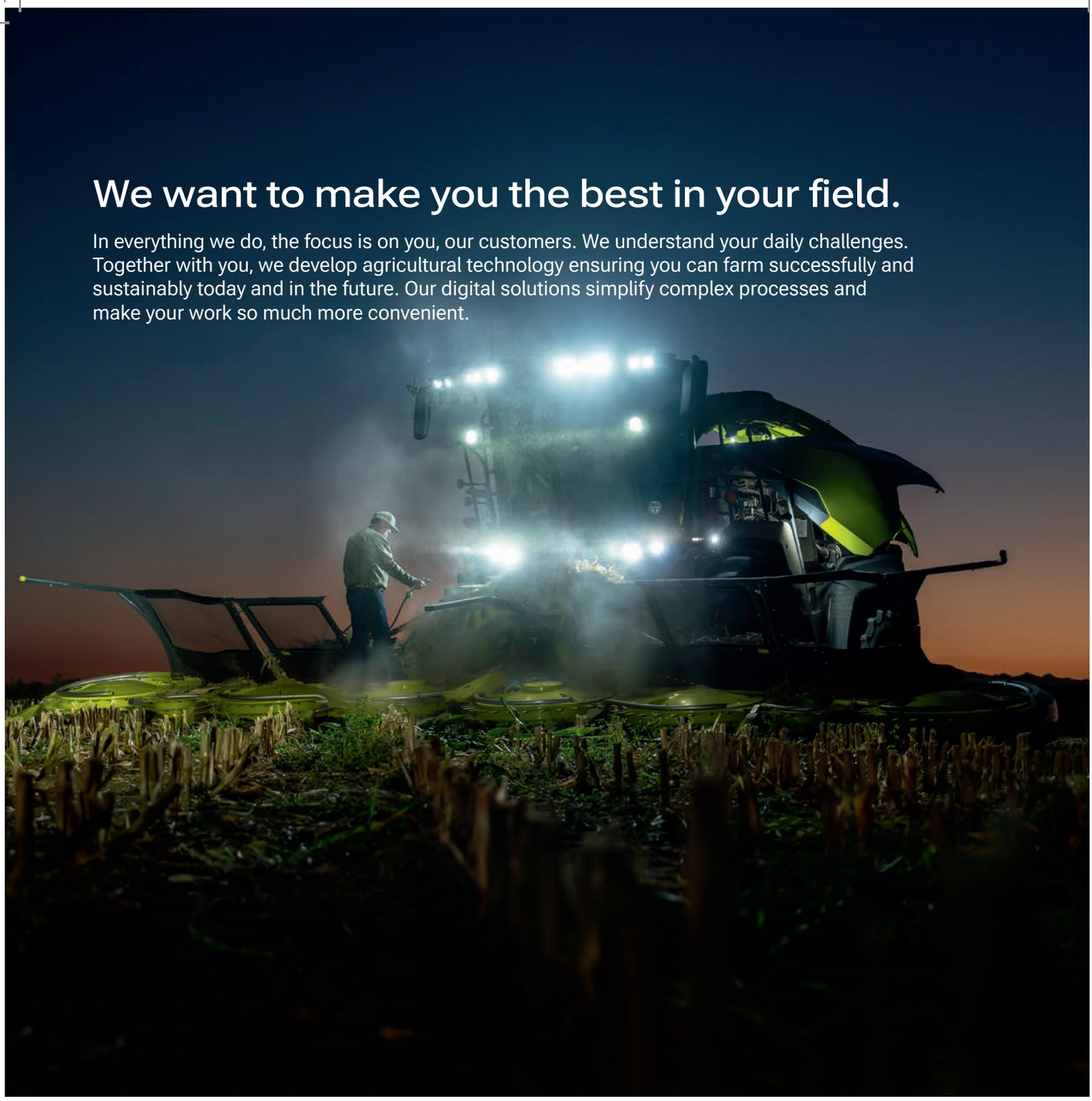
● Standard ○ Optional □ Available – Not available

JAGUAR 1000		1080	1090	1100	1200
V-FLEX knife configuration					
V-FLEX 20 (2 x 10), length of cut 5 - 26.5 mm		○	○	○	○
V-FLEX 24 (2 x 12), length of cut 4 - 22 mm		●	●	●	●
V-FLEX 28 (2 x 14), length of cut 4 - 18.5 mm		○	○	○	○
V-FLEX 36 (2 x 18), length of cut 3.5 - 14.5 mm		○	○	○	○
Knife sharpening and shear bar adjustment performed automatically from operator's seat		●	●	●	●
MULTI CROP CRACKER (MCC)					
MCC XL CLASSIC fine (ø 12.2 in (310 mm)) Principally for sorghum silage		○	○	○	○
MCC XL CLASSIC medium (ø 12.2 in (310 mm))		●	●	●	●
MCC XL CLASSIC coarse (ø 12.2 in (310 mm))		○	○	○	○
MCC XL SHREDLAGE® (ø 12.2 in (310 mm))		○	○	○	○
Crop accelerator					
Width	in (mm)	30 (757)			
Diameter	in (mm)	21 (536)			
Gap adjustment	in (mm)	0-2.5 (0-60)			
Discharge spout					
Collision protection		●	●	●	●
210° swivel angle		●	●	●	●
225° wivel angle with OPTI FILL / AUTO FILL		●	●	●	●
Operator assistance systems					
Joystick steering with function buttons		○	○	○	○
AUTO PILOT central sensors (corn)		○	○	○	○
CAM PILOT swath tracking guidance (grass)		○	○	○	○
GPS PILOT		○	○	○	○
DYNAMIC STEERING		○	○	○	○
STOP ROCK		○	○	○	○
QUANTIMETER		○	○	○	○
Automatic LOC control		○	○	○	○
OPTI FILL, optimised spout control		●	●	●	●
AUTO FILL, automatic trailer filling		○	○	○	○
NUTRIMETER, measurement of dry matter and constituents		○	○	○	○
CEMOS AUTO PERFORMANCE		○	○	○	○
Machine connect licence, 5 years		●	●	●	●
CLAAS connect: silage additive app		●	●	●	●
CLAAS connect: kernel processing analysis application		○	○	○	○
Cab					
CEBIS with touchscreen		●	●	●	●
A/C MATIC air conditioning		●	●	●	●
Leather seat, ventilated, heated		●	●	●	●
Maintenance					
Central lubrication system, 16-liter lubricant reservoir		●	●	●	●
Maintenance lighting		○	○	○	○

● Standard ○ Optional □ Available – Not available

We want to make you the best in your field.

In everything we do, the focus is on you, our customers. We understand your daily challenges. Together with you, we develop agricultural technology ensuring you can farm successfully and sustainably today and in the future. Our digital solutions simplify complex processes and make your work so much more convenient.



We want to make you the best in your field.
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