



Front attachments

JAGUAR front attachments

ORBIS PICK UP DIRECT DISC

Adapter for CORIO and CONSPEED

**CLAAS**



## Built to meet every challenge.

In use all over the world, our line-up of versatile front attachments allows CLAAS JAGUAR machines to harvest an extremely wide range of crops. The high operating reliability of these rugged front attachments reflects the continuous development effort which focuses in particular on enhancing work quality, wear resistance and performance.



### ORBIS 900 / 750 / 600 / 600 SD / 450.

- Maize front attachments with working widths from 4.5 m to 9.0 m
- Transport width of 3 m for all ORBIS models
- Automatic transport protection for ORBIS 900 / 750 / 600 / 600 SD
- Maximum folding time: 25 seconds
- AUTO CONTOUR for automatic ground contour adaptation
- AUTO PILOT row sensor for automatic steering



### PICK UP 380 / 300.

- High-performance pick-up reel with four or five rows of tines for efficient grass intake
- Robust roller crop press with large intake auger for high throughput
- ACTIVE CONTOUR for automatic ground adaptation
- Independent drive for intake auger and pick-up reel with automatic speed adjustment in accordance with ground speed and length of cut preselection



### DIRECT DISC 600 / 500 and 600 P / 500 P.

- MAX CUT mower bed for highly efficient cutting
- Roller crop press for extremely even transfer of crop flow
- Very large intake auger for high throughput
- Paddle roller for optimal crop flow in short crops



### Robust adapter.

- Fast and convenient connection of combine harvester front attachments, such as maize pickers for harvesting maize cob silage
- Integrated feed roller for even crop flow
- Drive connection to JAGUAR made via quick-release coupler

# JAGUAR front attachments.



ORBIS 900.  
With a working width of 9 m, it is  
the largest model in the series.  
**Page 8**



DIRECT DISC  
for an even crop feed,  
with roller crop press.  
**Page 38**



NEW

NEW: PICK UP.  
Two independent, automatically controlled drives for  
intake auger and pick-up reel.  
**Page 32**



Automatic transport protection.  
Transport width of 3 m for all  
ORBIS models.  
**Page 16**

Fast folding and unfolding. Ready for  
field work or road travel in a maximum of  
30 seconds without leaving the cab.  
**Page 16**



Adapter  
for attaching combine harvester  
maize pickers to the JAGUAR.  
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# High throughput down to the last centimetre.

The combination of the very flat design and the mounting angle which can be adjusted to two different positions allows the ORBIS maize front attachment to attain stubble heights as low as 80 mm. Even large crop volumes can be handled by the large discs immediately in front of the feeder unit.

#### Adapts to the ground.

A tilting frame with +/- 5° of lateral compensation allows the ORBIS to adjust to different ground contours.

NEW: You can equip the ORBIS 900 with a third, central AUTO CONTOUR sensor.

#### Highly versatile.

You can harvest maize, whole crops and many other crop types thanks to the small and large three-stage transport discs of the ORBIS 900.

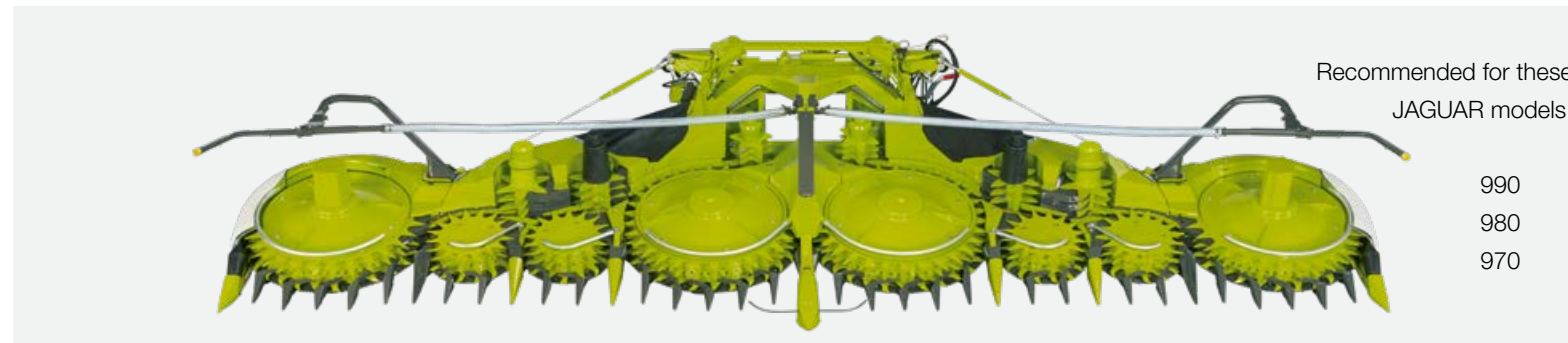
#### Narrow on the road.

The transport width of only 3 m gives you a commanding view and makes for safe road travel.



## ORBIS 900.

- The largest maize front attachment
- Working width 9 m
- Transport width 3 m
- Available with automatic transport protection



Recommended for these  
JAGUAR models:

990  
980  
970

## Powerful bite. ORBIS 900 to 450.

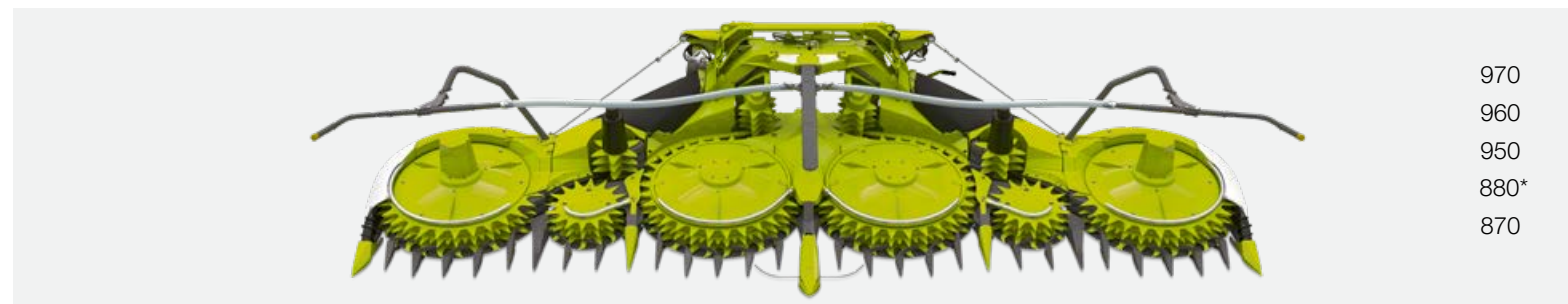
The row-independent maize front attachments are characterised by impressive performance and reliability. Developed on the basis of experience gained in practical use around the world, the versatile ORBIS units are able to meet almost every imaginable user requirement.

### Advantages for you:

- Automatic transport protection for ORBIS 900 / 750 / 600 / 600 SD
- Very flat design for stubble heights as low as 80 mm and uniform stubble
- Symmetrical folding and unfolding in a maximum of 25 s
- Efficient drive concept with starting torque 29% lower than comparable models
- Start and reverse under full load
- Straight-line crop transfer from ORBIS to JAGUAR and even crop flow across the entire width of the feed roller housing for top-quality chopped material
- ORBIS 600 SD with small discs for very short to medium height maize
- ORBIS 600 with four large discs for medium to very tall maize
- All ORBIS models with a transport width of only 3 m
- Integrated transport system available with ORBIS 600 / 600 SD and higher
- PREMIUM LINE ex factory

## ORBIS 750.

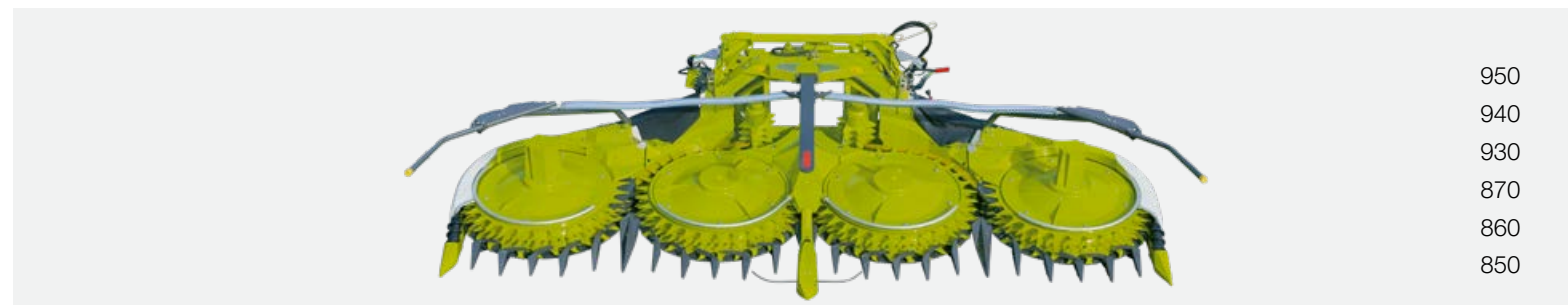
- The all-rounder
- Working width 7.5 m
- Transport width 3 m
- Available with automatic transport protection



970  
960  
950  
880\*  
870

## ORBIS 600.

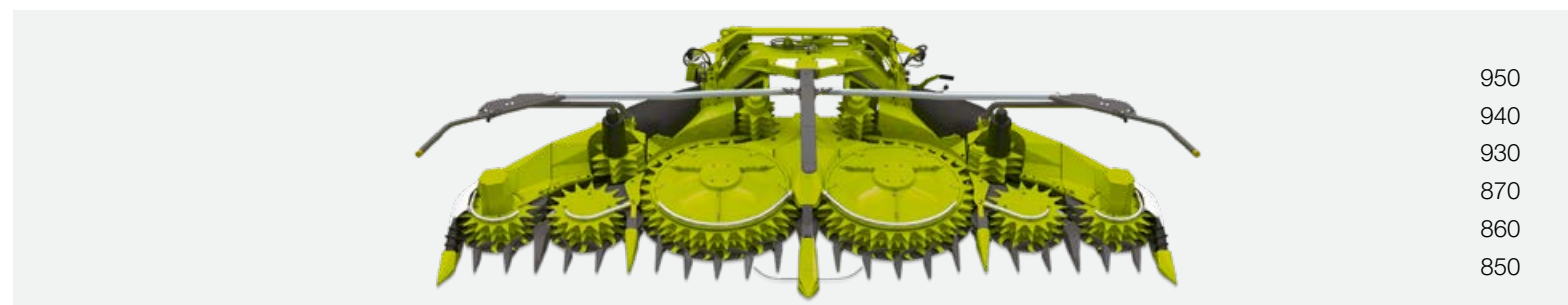
- With its working width of 6 m and 4 equal-sized discs, it is particularly well suited to work in medium height and very tall maize crops
- Transport width 3 m
- Available with automatic transport protection



950  
940  
930  
870  
860  
850

## ORBIS 600 SD.

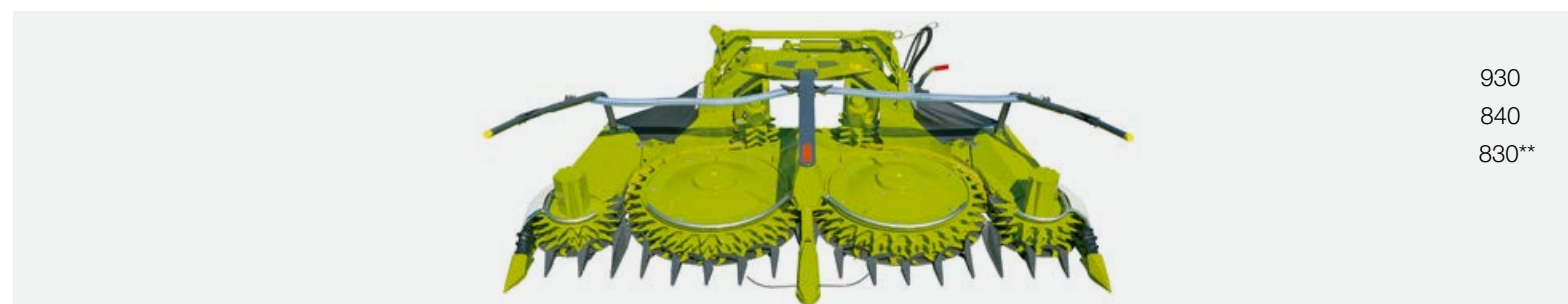
- For use in medium height to very short maize crops
- Working width 6 m
- Transport width 3 m
- Available with automatic transport protection



950  
940  
930  
870  
860  
850

## ORBIS 450.

- Suitable for use with forage harvesters with low engine output and where the area to be harvested is limited
- Working width 4.5 m
- Transport width 3 m
- Available with or without tilting frame



930  
840  
830\*\*

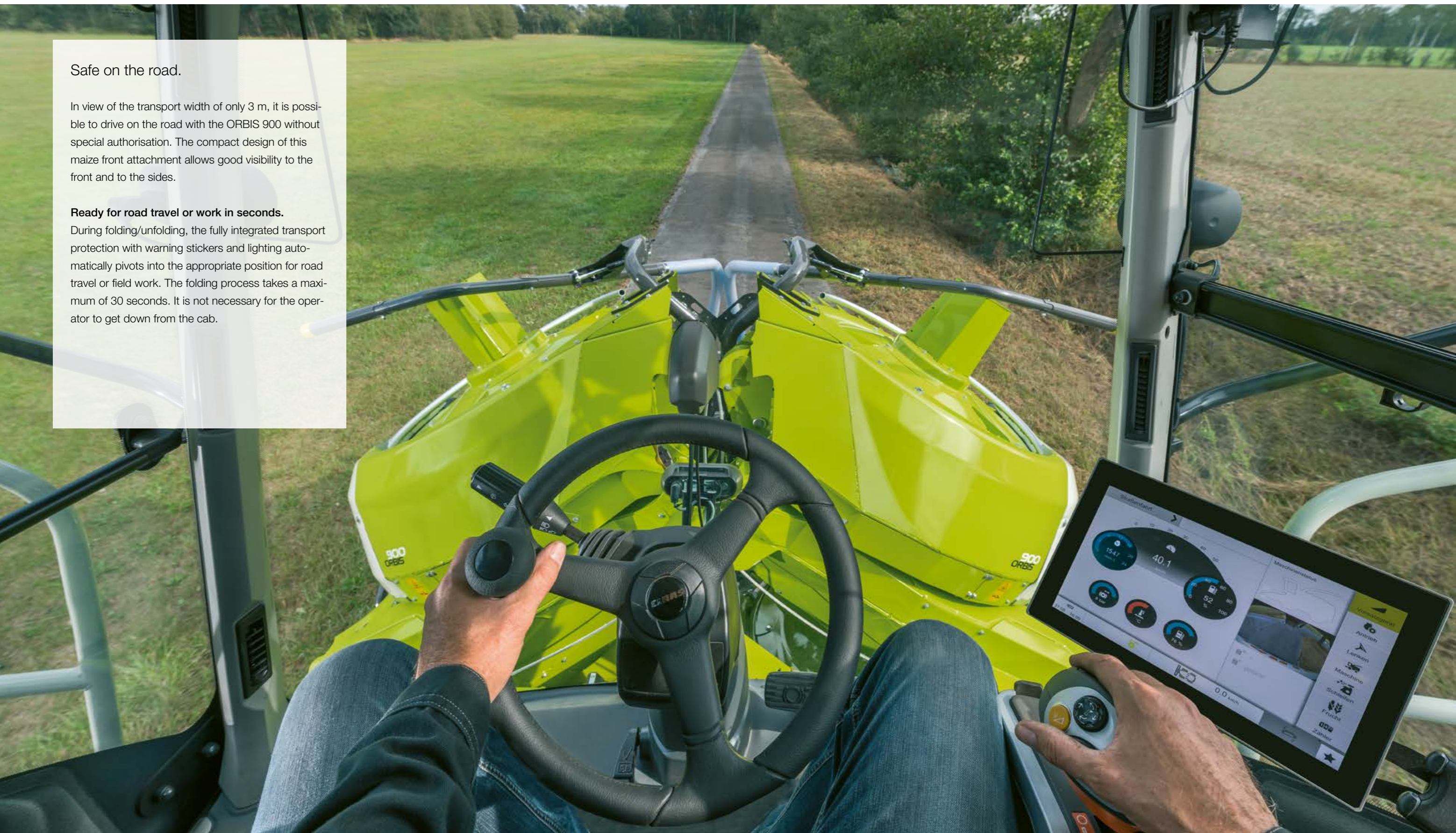
\*880 only for selected markets.  
\*\*830 only for countries without an emission standard.

## Safe on the road.

In view of the transport width of only 3 m, it is possible to drive on the road with the ORBIS 900 without special authorisation. The compact design of this maize front attachment allows good visibility to the front and to the sides.

## Ready for road travel or work in seconds.

During folding/unfolding, the fully integrated transport protection with warning stickers and lighting automatically pivots into the appropriate position for road travel or field work. The folding process takes a maximum of 30 seconds. It is not necessary for the operator to get down from the cab.



## Effortlessly efficient.

The entire ORBIS unit is driven extremely efficiently via the quick-release coupler and a small number of transmission elements. The starting torque is 11% lower than that of comparable models.

## Drive.

It is possible to start and reverse under full load.

## Drive speed adjustment.

- 2-speed input gearbox for the entire front attachment
- Three speeds for the intake drums
- Variable front attachment drive possible with JAGUAR 900

## Efficient cutting.

Knives with a saw-tooth profile deliver a perfect cutting action, even at high harvesting speeds or when operating in thick-stemmed crops with weed growth.



## High-quality chopped material.

The precision with which the crop is transferred to the JAGUAR causes it to be fed evenly across the entire width of the feeder housing.

## Fast rotting.

Toothed scrapers positioned under the cutting discs split the maize stubble. This results in fast rotting and reduced tyre wear.

## Automatic transport protection.

Ready for action in 30 seconds without the operator leaving the cab. Fast folding kinematics and automatic transport protection save time.

## Operator assistants.

- Automatic ground contour adaptation with AUTO CONTOUR or CONTOUR
- Automatic steering with AUTO PILOT
- Front attachment detection function applies basic settings automatically when front attachment is changed

## Easy fitting and removal.

Central locking and flat face hydraulic couplings make fitting and removal easier.

## Low-maintenance.

- Easily accessible maintenance points
- First maintenance after 500 operating hours
- Subsequent maintenance every 2,500 operating hours

# Fast folding for safe road travel.



Fast transfers from field to field with no need to get down from the cab.

The symmetrical folding process allows you to deploy the large ORBIS 900 and 750 maize front attachments from their transport width of 3 m to their full working width in up to 30 seconds. In the case of the ORBIS 600 / 600 SD and 450 models, only the side units need to be folded for transport, a process which is completed within 10 seconds.

Automatic transport protection for the ORBIS 900 / 750 / 600 / 600 SD models does away with the need for the operator to get down from the cab. The machine can drive straight from the road into the field.

When the machine is moving at 2 km/h up to 7 km/h, the operator only has to press the "fold front attachment" switch once and the whole process is performed entirely automatically: the front attachment folds, the transport chassis moves into position and the transport protection, which features integrated lighting and is carried on the machine at all times, is deployed simultaneously. Easily visible and with an external width of only 3 m, your machine can now travel safely from field to field.



One switch for the entire folding process.



Fast unfolding from transport to working position and vice versa.



Automatic transport protection.



Saving you time.

Compared with standard transport protection comprising:

- front safety bar
- side protection, left
- side protection, right
- safety bars for guide fingers

you can easily save 5 minutes with the automatic transport protection.

**Advantages for you:**

- Saving of 5 minutes when moving from field to field, particularly worthwhile in smaller-scale settings with frequent field changes in the course of a single day
- No need for operator to get down from cab
- Convenient, legally compliant road transport



Compact deployment with an unrestricted view of the ORBIS during harvesting. Transport protection remains stowed securely on the machine.



High level of driving comfort with transport system deployed and oscillation damping active.



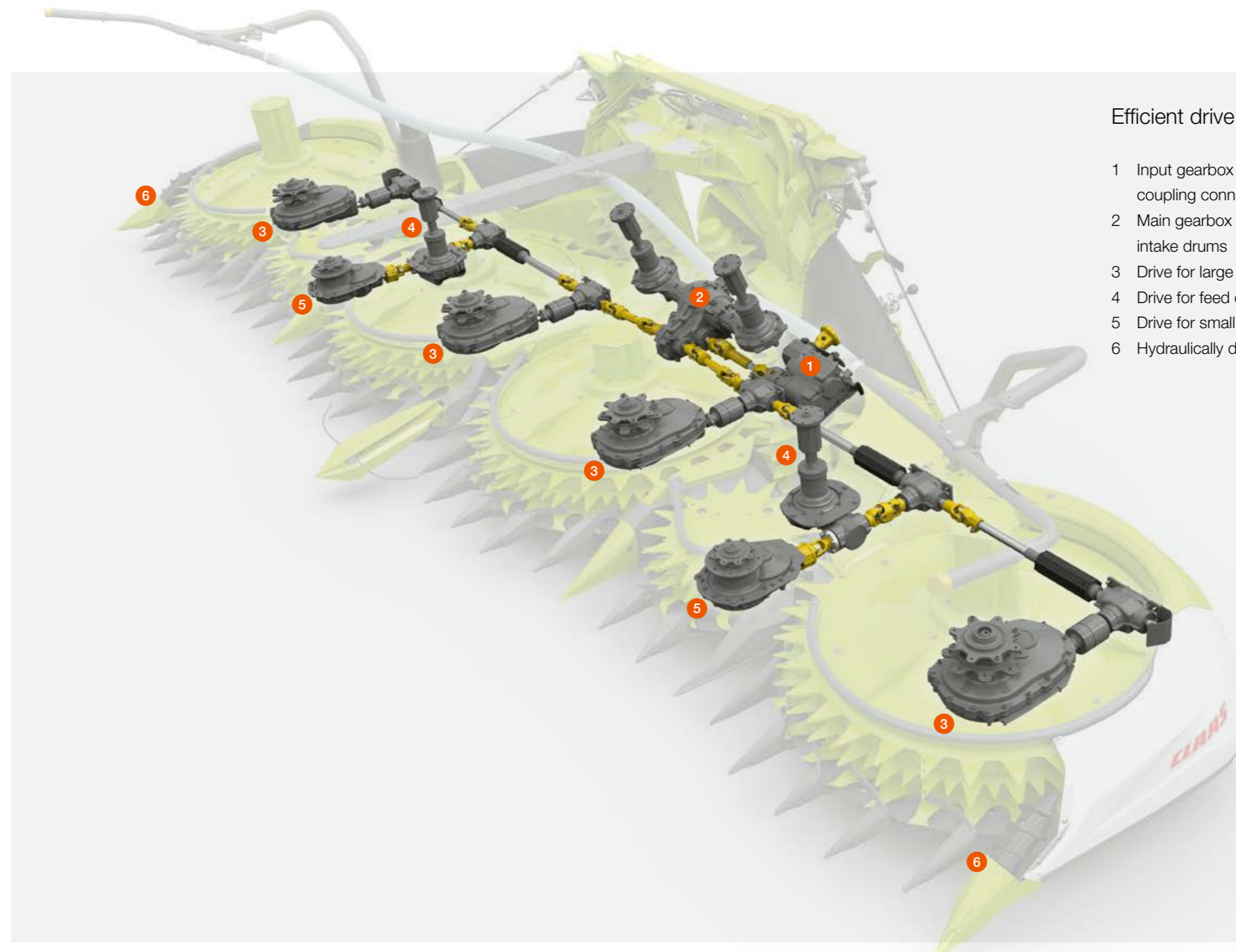
Side and front protection clearly visible with warning stickers. The LED lighting is fully integrated.





## Energy-saving drive.

The efficient drive concept offers you a huge amount of power for remarkably little fuel. The JAGUAR transmits its power to the maize front attachment mechanically, the energy requirement of the latter being extremely low. This is because the ORBIS needs only a few transmission elements and has impressively low starting torque. Thanks to these characteristics, the front attachment can also be started and reversed at full load. The transmission and drive components are designed for high throughput. Perfect matching of the drive speed to the set length of cut ensures an optimal crop feed into the JAGUAR.

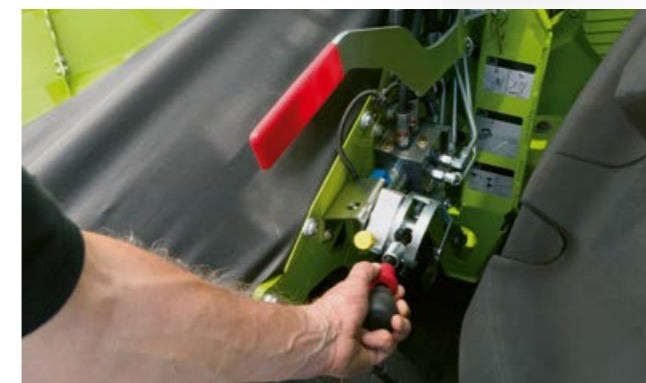


## Efficient drive concept.

- 1 Input gearbox with two speed settings and quick coupling connection to forage harvester
- 2 Main gearbox with three speed ranges for the intake drums
- 3 Drive for large transport discs with knives
- 4 Drive for feed cones
- 5 Drive for small transport discs with knives
- 6 Hydraulically driven laid maize augers (option)



Power transmission via quick-release coupler.



Three-stage speed adjustment of intake drums for optimal crop flow.



If required, the laid maize augers are driven hydraulically.

# Sharp cutting and reliable crop transport.



## Three-tier structure.

However difficult the harvesting conditions may be, the three-tier structure of the ORBIS transport discs ensures an even crop flow every time.

### Advantages for you:

- The synchronised rotation of the cutting and transport discs enables a consistent and gentle crop transfer
- The short distance between the cutting discs and the transport discs ensures that the ORBIS always leaves behind stubble with a uniform height
- Sturdy tubular bars catch falling cobs and so keep losses to a minimum
- The blades are always sharp, thanks to the self-sharpening effect
- Stubble is cut short - down to 80 mm - and clean with frayed ends for fast rotting



## Reliability.

The ORBIS concept featuring a combination of small and large discs is characterised by an extremely high crop flow. The ORBIS handles maize crops of up to 100 t/ha (typical of US or Italian harvesting conditions) perfectly.

When the machine is reversed, the plants which have already been cut remain on the large discs and are then drawn in again. The low starting torque of the ORBIS means that it can be restarted at full load or in the upper rated speed range at any time.

## CLAAS AUTO PILOT.

As two sensor skids each gauge a row of maize, the sensor signals are translated into steering impulses. Twin-row sensing supports automatic steering of the JAGUAR up to a speed of 12 km/h and with row widths of 37.5 cm to 80 cm.

### Advantages for you:

- Maximum reduction in operator workload
- Increased area output
- Reliable row guidance, even where there are gaps in the crop
- Maintenance-free and low-wear technology



Very flat design for low stubble.



Plants are transported reliably through the crop flow channels.



Robust guide fingers and dischargers under the cutting disc for problem-free operation.

Excels in all types of terrain.



Optimal ground contour adaptation.

- Very robust tilting frame with +/- 5° lateral compensation
- Lateral compensation - mechanical with centring damper or hydraulic with AUTO CONTOUR
- AUTO CONTOUR centre sensor (ORBIS 900 only) ensures consistent ground adaptation and prevents the ORBIS from grounding in the middle
- Possible for cutting angle to be adjusted forward by 6° for aggressive crop pick-up, e.g. in laid maize
- Skids can be adjusted to define the stubble height to be maintained by automatic ground pressure control
- Press-hardened and rounded underbody structure reduces wear and dirt adhesion

Precise ground contour adaptation.

The characteristics of the terrain cease to matter when harvesting maize with the ORBIS. Precise ground contour adaptation is ensured by the tilting frame in combination with the enhanced CONTOUR / AUTO CONTOUR control system. With the skids in full contact with the ground and depending on the target value setting in CEBIS, the AUTO CONTOUR control system automatically switches over to float position. In this way, reliable lateral compensation is ensured along with ground pressure control.



Skids with two height settings.

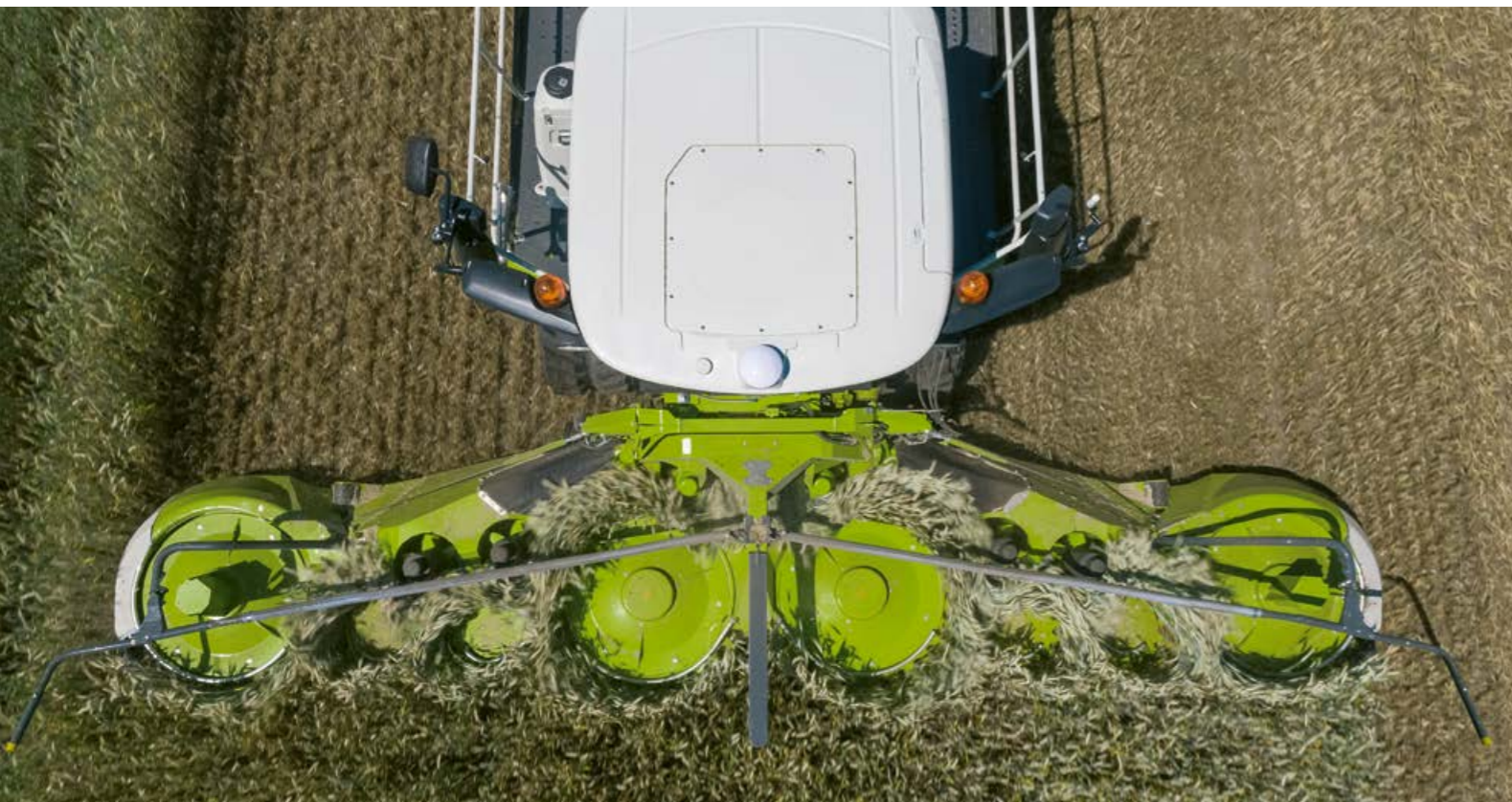


AUTO CONTOUR centre sensor, available for ORBIS 900.



Reliable ground adaption across the entire width of the front attachment.

# ORBIS. Highly versatile.



Harvesting miscanthus



Harvesting silphium perfoliatum



Harvesting igniscum

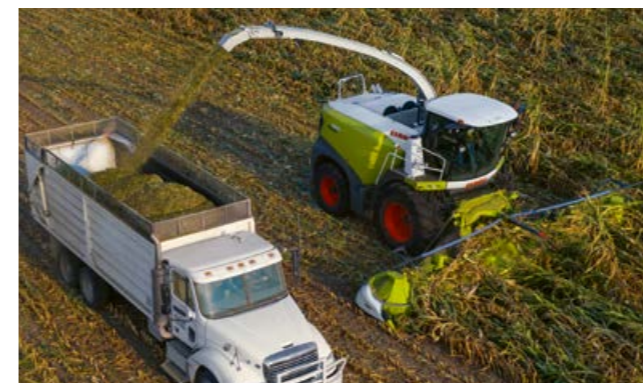


Harvesting whole crop silage, uniform stubble

From laid maize to diverse crops – the ORBIS harvests everything.

Various attachments and add-ons are available to allow you to optimise your ORBIS for any application.

- Additional laid maize cones make for improved crop flow in laid crops or other difficult harvesting conditions.
- The optional long centre point improves the crop flow in laid crops.
- The bolt-on guide fingers optimise crop uptake in a variety of harvesting conditions.
- Optional round bar steel guide elements and optional point extensions provide enhanced performance in extreme laid crop conditions.



Reliable take-up of laid maize



Harvesting sudan grass



Laid maize cones, guide elements and point extensions available as additional equipment.



Removable guide fingers improve lifting of laid maize.



Hydraulically driven laid maize point.



The large laid maize cone optimises the crop flow and prevents crop material from remaining on the transport disc.

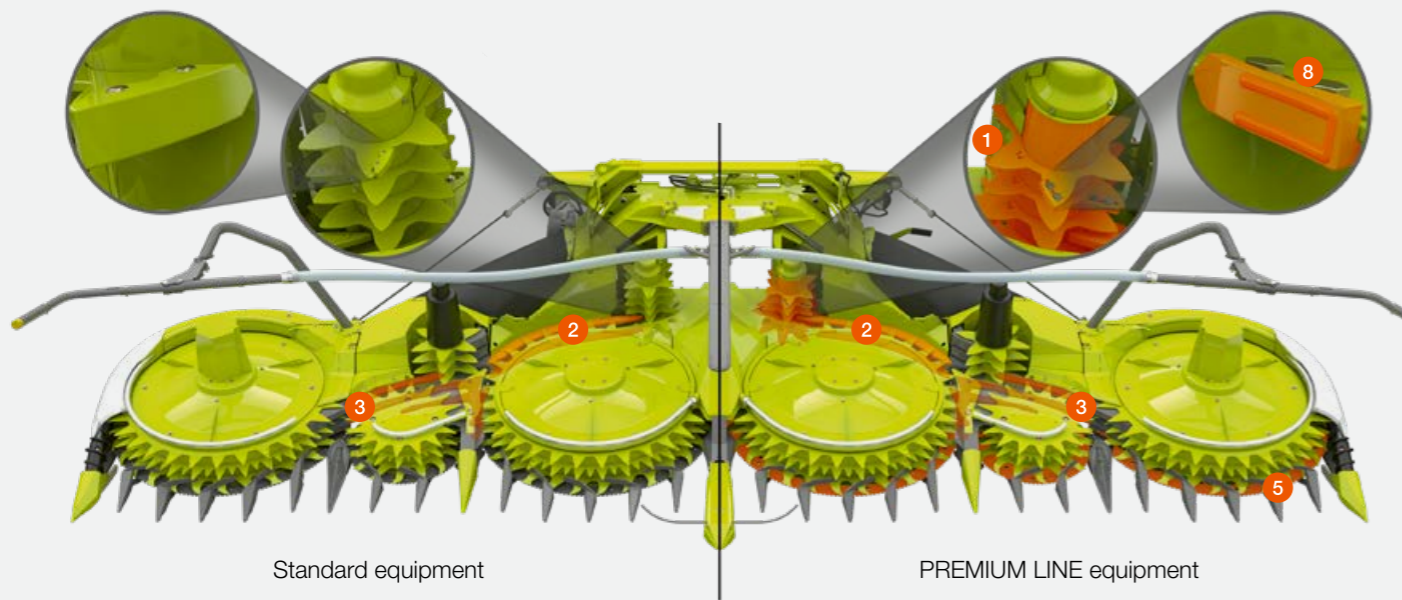


Removal of cob retainers increases crop flow performance.

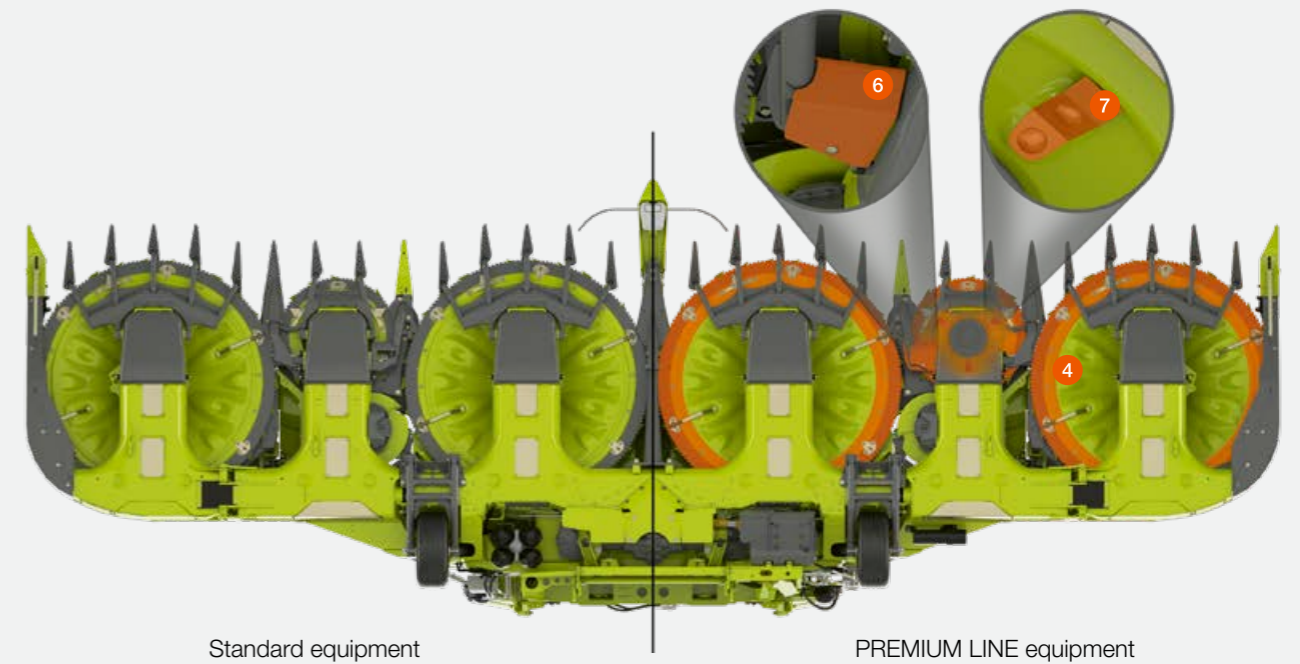
# Hardly any wear. Low maintenance. High reliability.

## PREMIUM LINE protection against wear.

- 1 A special wear coating gives intake drums low wear characteristics
- 2 Interior guide strips made of steel (standard equipment)
- 3 Exterior guide strips made of steel (standard equipment)
- 5 Knives with wear coating
- 8 Deposition-welded scraper



- 4 Wear elements to protect the large cutting disc
- 6 Cover for deflector mounting
- 7 Scraper for small discs



## PREMIUM LINE for ORBIS.

Highly wear-resistant parts are recommended for extreme operating conditions, in the event of a high proportion of sand, for example, or extended periods of operation.

### High operational reliability.

It is often the case that every minute counts during the harvesting period. Time-consuming maintenance work is a nuisance and also a cost factor as it reduces the number of productive hours – along with your profit margin.

The ORBIS has wear-resistant parts for high operational reliability:

- The knives have a tungsten carbide coating for a long service life
- The speed difference between the cutting disc and the transport disc creates a self-sharpening action
- The cutting discs and transport discs have a modular structure comprising six segments and are easily accessible; as a result, in the event of damage, only the segment concerned needs to be replaced, rather than the entire unit

## Extremely maintenance-friendly design.

CLAAS engineers have done all they can to keep maintenance requirements to a minimum.

- Lubrication is only required every 250 operating hours
- All lubrication points are easily accessible

- A transmission oil change is not required until after the first season (500 operating hours) and then after another 5 years (2,500 operating hours) (input gearbox every 500 operating hours)
- All wear parts can be replaced quickly and easily



Dipstick to check oil level.



Segmented design.



Easy access.

# Efficient crop collection.

## PICK UP family.

Ever increasing yields and ever more powerful forage harvesters require robust technology which is able to take up the crop efficiently while remaining easy to operate.

The PICK UP 380 and 300 front attachments meet these requirements.

All the PICK UP models for the JAGUAR forage harvester are able to adjust flexibly to a very wide range of ground conditions and are capable of high throughput.



## PICK UP 380 / 300.

## Design.

The high-performance pick-up reel with its four or five rows of tines ensures that the crop is taken up efficiently. The castor guide wheels for precise ground contour adaptation are level with the pick-up reel and can be adjusted without tools. The double roller crop press and the large intake auger diameter ensure a smooth crop flow. A spring-loaded intake auger (optional) increases throughput in large swaths.



Robust pick-up reel for efficient crop intake.



Intake auger with 600 mm diameter for high throughput.

**PICK UP with standard drive:**

- Intake auger and pick-up reel via quick release coupler

**NEW: PICK UP with two independent, variable drives.**

- Intake auger via quick release coupler
- Pick-up reel via hydraulic motor. Hydraulic power is delivered via two additional hydraulic lines which are connected by flat couplings.



## Tilting frame for PICK UP 380 and 300.

The main frame supports the torsion-suspended pick-up reel and the floating intake auger. The tilting frame is attached to the main frame by means of a central pivot point, three arms and a spring to return the frame to the neutral position. This arrangement enables ideal freedom of movement for optimal ground contour adaptation and high-performance crop pick-up.



## Robust roller crop press.

With its end-position damping and very close proximity to the intake auger, the roller crop press ensures an excellent crop flow. The castor guide wheels are folded for transport. The folding process is performed either mechanically and without tools or from the cab by means of hydraulic rams. A spare wheel, which can be carried on the unit, is also available. The rugged rims of the castor guide wheels are equipped with robust, tubeless tyres with a 10 mm tread depth. This produces a self-cleaning effect for high operating reliability.



# PICK UP 380 / 300.

## Crop flow.

The right variants for all customer requirements and usage profiles.

### Speed adjustment for PICK UP with standard drive:

#### 1 Variant 1

Where the PICK UP has a single drive via the quick-release coupler, the speed adjustment method depends on the PICK UP model concerned, requiring either the operation of a 3-speed gearbox or the substitution of sprockets.

#### 2 Variant 2

If the JAGUAR is equipped with a variable front attachment drive, depending on the length of cut setting, all the components of the PICK UP, i.e. intake auger and pick-up reel, are driven interdependently at variable speeds.

#### Advantages:

- Where lengths of cut or operating requirements are relatively constant: you adjust the speed simply by changing the sprockets.
- Where lengths of cut or operating requirements change frequently: you use the 3-speed gearbox in conjunction with the additional variable front attachment drive.

### Speed adjustment for PICK UP with two independent, variable drives:

#### 3 NEW: Variant 3

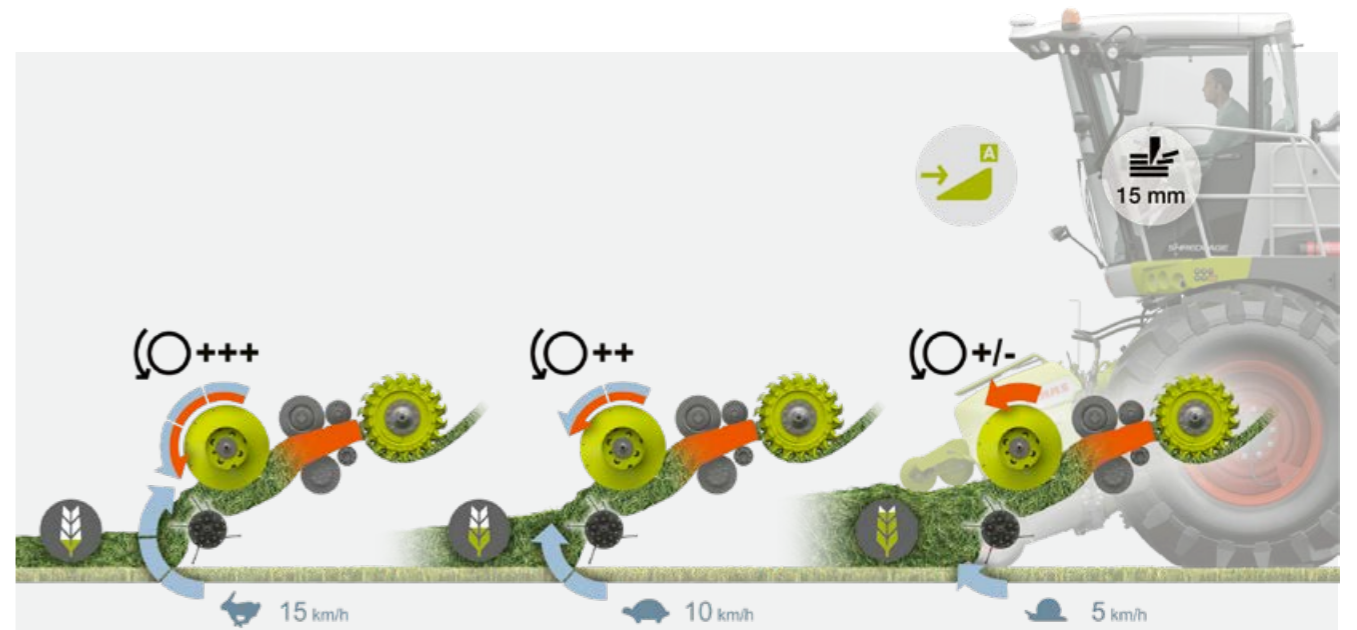
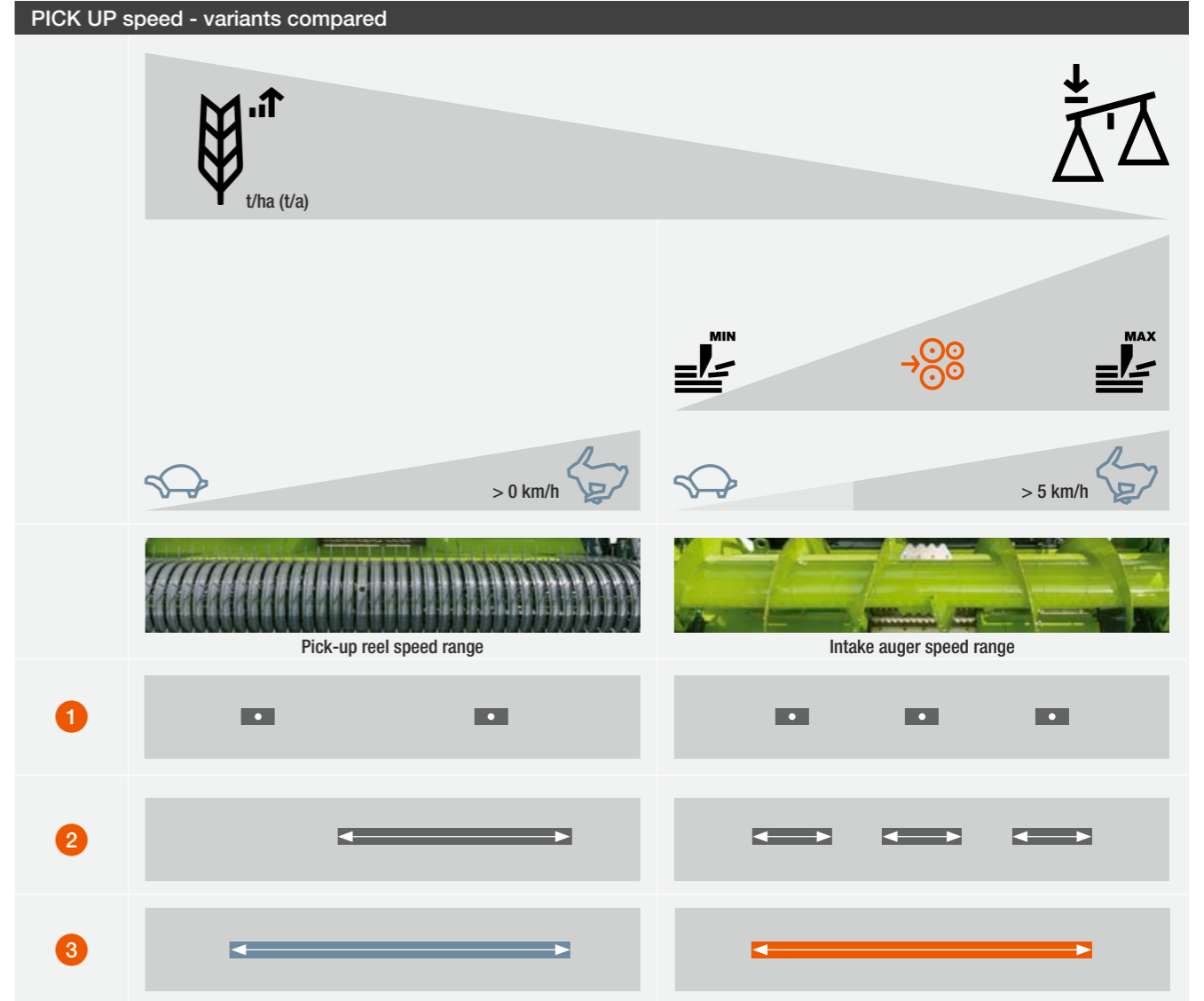
PICK UP with two variable and independent drives for intake auger and pick-up reel:

- The pick-up reel is driven hydraulically. The independent adjustment of the reel speed to the ground speed enables an appropriate crop feed to the intake auger.
- The drive for the intake auger is transmitted via the quick-release coupler. Speed adjustment is performed automatically in accordance with the set length of cut and, from 5 km/h, also in relation to the ground speed. The consistent crop transfer to the precompression rollers ensures optimal use of the capacity of the JAGUAR.

Recommended usage scenario: when it comes to delivering the highest standard of performance and maximum throughput in extreme conditions, the dual drive is the right solution; for example, when handling high yields at a very low ground speed or when operating at a high harvesting speed with low crop volumes.

#### Advantages:

- Compared with the standard version, greater throughput is possible in extreme conditions.
- Very even crop flow and efficient crop pick-up through automatic speed adjustment on basis of ground speed and set length of cut.





# Loss-free harvesting. Convenient maintenance.

## ACTIVE CONTOUR for optimal ground adaptation.

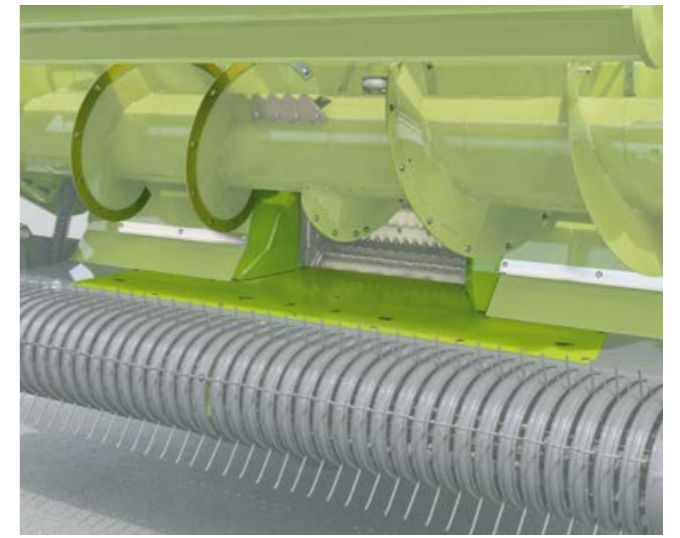
The ACTIVE CONTOUR function allows the PICK UP to adapt quickly to the changing ground contours. The system controls the height of the front attachment actively via potentiometers. The pick-up reel with its tines is maintained at a constant distance from the ground. In this way, you can reduce crop losses in very hilly terrain.



## Loss-free harvesting with the CLAAS CAM PILOT.

The CLAAS CAM PILOT takes control of the task of steering during the swath pick-up process, thereby making it possible to attain working speeds of up to 15 km/h without fatiguing the operator. This also means that the operator is able to concentrate much better on filling the transport vehicle for a loss-free harvest.

The CLAAS CAM PILOT detects the swaths in three dimensions and applies the appropriate steering correction automatically. As usual, it is activated via the control lever and deactivated by turning the steering wheel.



## Reliability.

The optional chain lubrication system supports more intensive use and therefore enhanced reliability. Choosing this option also simplifies maintenance.

The drive chains and gears of the pick-up reel and intake auger are lubricated automatically. The 4-litre oil reservoir is sufficient for 180 hours of operation. With the front attachment switched on, lubrication is applied to the chains directly and continuously by means of two brushes.

## Optimal accessibility.

Excellent accessibility of the key areas and maintenance points is one of the key characteristics of the PICK UP family. For example, during the reversing procedure after detection of a foreign object, the roller crop press is automatically raised hydraulically (optional raising of the intake auger is also possible). As well as making it easier to search for foreign objects after the presence of metal or a stone has been detected, this arrangement allows wear parts to be replaced easily.

# Direct mowing and chopping.

## Whole crop harvesting with the DIRECT DISC.

Whether you're intending to use milk ripe plants for high-grade animal feed or as biomass for energy production, this front attachment means you can mow and chop in a single pass.



# DIRECT DISC 600 P / 500 P and 600 / 500.



## DIRECT DISC 600 P / 500 P.

Plants cut with the MAX CUT mower bed are fed to the intake auger by a height-adjustable paddle roller.

This enables an extremely consistent crop flow, even when the crop is very short.



## DIRECT DISC 600 and 500.

The crop is fed straight from the mower bed to the intake auger. As a result of the extremely large intake auger with its 800 mm diameter, both DIRECT DISC model series have excellent throughput.

The DIRECT DISC 600 and 500 are notable in particular for their ability to handle very tall plants, such as sorghum growing to heights of up to 4.0 m. CLAAS offers side knives for use in severely intertwined crops.

### DIRECT DISC application areas

Crop	Growing demands placed on harvesting process						
	Grass	Whole plants (grain)	Whole plants and legumes	Energy grass	Wild crops	Alternative energy plants	Sorghum
	Crop height up to 50 cm / 20"	Average yield (small / short plants)	High yield (large / tall plants)	E.g. vetch/rye	E.g. Szarvasi	E.g. wildflower mixtures	E.g. silphium perfoliatum
							Crop height up to 4.0 m
DIRECT DISC 600 P / 500 P	Well suited		Conditionally suited				
DIRECT DISC 600/500	Conditionally suited		Well suited				

■ Well suited      ■ Conditionally suited

### Simply hitch up for flawless harvesting.

DIRECT DISC	600 P / 500 P	600 / 500
Delayed activation of mowing units means that DIRECT DISC can be started under full load	●	●
Three-speed gearbox for optimal adjustment of crop flow to field conditions or different lengths of cut	●	●
Two externally driven mower beds from the MAX CUT model series with quick knife change system and SAFETY LINK modules for safe mowing	●	●
Paddle roller and intake auger for perfect crop flow in low to medium-height crops	●	—
Crop press bar for a perfect crop feed	○	●
Roller crop press for an even crop feed	—	○
Intake auger with very large diameter for high throughput and very tall crops	●	●
Ideal adaptation to ground contours through mechanical lateral compensation system and ground pressure control for excellent work quality	●	●

● Standard ○ Option — Not available



DIRECT DISC 600 / 500 with large intake auger.



Adjustable crop press bars, optionally with hydraulic operation.



Roller crop press for a very even crop feed.



DIRECT DISC 600 / 500 with MAX CUT mower bed.



Powerful drive train with three-speed gearbox.



DIRECT DISC 600 P / 500 P with height-adjustable paddle roller, optionally with hydraulic operation.



Transport trailer carrying DIRECT DISC.



With the front attachment locked in place, it is possible to travel safely at up to 40 km/h.

# Harvesting maize cobs with the JAGUAR.

Forage with high starch content is used as concentrated feed for cattle and pig fattening or as an energy source for biogas production. The adapter allows a combine harvester maize picker to be used to harvest maize cob silage. In this way, you can get even more out of your JAGUAR.



# Harvesting maize cob silage (MCS).



## Adapter.

The adapter allows a six or eight-row combine harvester maize picker (CORIO and CONSPEED) to be attached to the JAGUAR. The robust transfer gearbox transmits the drive from the JAGUAR. The adapter has a feed roller to optimise the crop flow from the front attachment to the JAGUAR feeder unit.

Maize cob silage: harvesting with CORIO and CONSPEED combine harvester pickers on the JAGUAR.

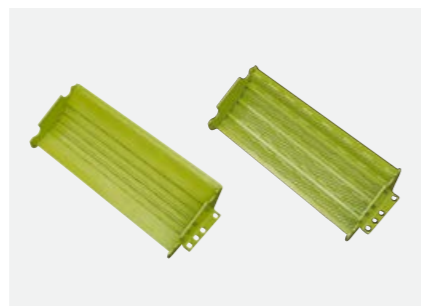
MCS is forage with a high energy concentration and is primarily used in cattle farming for milk and meat production.

The following additional equipment is recommended for high-quality WCS or MCS silage harvesting:

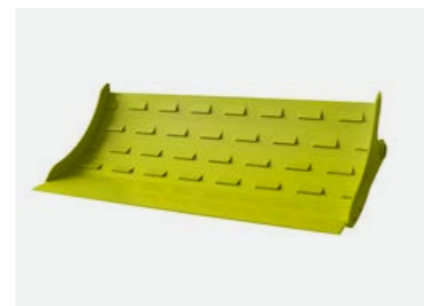
- Friction bar wedge fitted behind the mounting block
- Friction concave plate
- MULTI CROP CRACKER with fine meshed rollers and 60 % speed difference
- Micro-rasp bars for the JAGUAR 800 series
- MULTI CROP CRACKER MAX



Adapter for combine harvester maize picker.



Friction concave plate with rasp bars or friction edges for JAGUAR 800.



Friction concave plate for JAGUAR 900.



MULTI CROP CRACKER MAX.



MULTI CROP CRACKER CLASSIC.



Maize cob silage (MCS).

Straightforward and convenient – coupling of all JAGUAR front attachments.



Quick, clean and convenient.

When machines of the JAGUAR 800 or 900 model series couple with the front attachment, the drive train is automatically connected by means of the quick-release coupler. The central locking system, which is easily accessible from the left-hand side, secures the front attachment to the forage harvester. Two flat-seal hydraulic couplings and a control cable enable positive connection of the front attachment functions.

Intelligent connection.

Once the front attachment is connected electrically to the JAGUAR, various basic settings are configured automatically with the aid of the front attachment detection feature.

Once the connection with the JAGUAR is established, the values which have been learned are retained. The following values are saved in the front attachment module:

- Front attachment end stops
- Last cutting height preselection values
- Last cutting height adjustment values
- Last working position

- Last AUTO CONTOUR values
- Front attachment speed for length of cut
- Front attachment operating hours
- Serial number



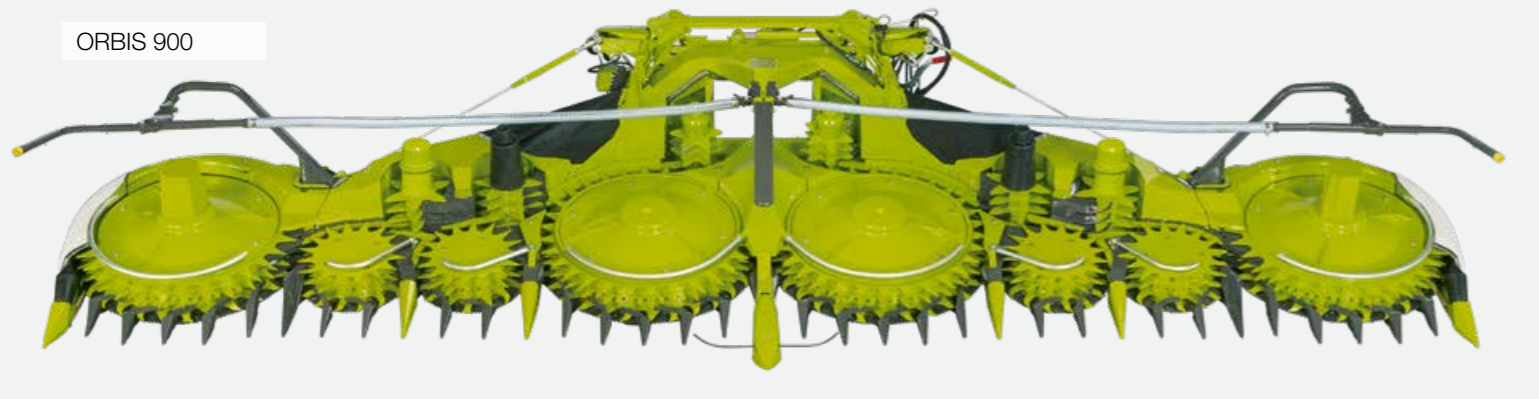
PICK UP front attachment module.



ORBIS front attachment module.

# Advantages at a glance.

ORBIS 900



## Common features:

- The availability of appropriate front attachments for different crops opens up flexible opportunities for machine use
- Convenient fitting and removal
- Drive via quick-release coupler
- Can be started and reversed under full load and in the upper rated speed range
- Outstanding ground contour adaptation through CONTOUR and AUTO CONTOUR ground pressure control
- Safe and comfortable on-road travel with oscillation damping
- Compliance with statutory axle-load regulations thanks to integrated transport system

## PICK UP:

- Ideal ground contour adaptation as pick-up is free to swivel as required and guide wheels are optimally positioned
- Double roller crop press for perfect crop flow
- Hydraulic auger elevation for optimal accessibility when searching for foreign objects
- Wear components can be replaced quickly
- Spare wheel carried on unit
- NEW: Speed adjustment for PICK UP with two independent, variable drives
- NEW: Automatic chain lubrication

## DIRECT DISC:

- Mower bed with quick knife change system
- Various possibilities for adjustment to different crops and field conditions
- Proven MAX CUT mower bed
- Optional side knives available
- Roller crop press for even and continuous crop flow

## ORBIS:

- Extremely free-running drive with low starting torque and low power requirement
- Designed for high throughput
- Universally suitable for harvesting stalked crops and maize
- High work quality
- Very low maintenance requirement
- Central sensor bracket as third AUTO CONTOUR sensor
- Automatic transport protection
- Transport width of 3 m for all ORBIS 900 to 450 models
- Extended PREMIUM LINE range for operational reliability and long service life.

## Adapter for combine harvester maize picker:

- Allows maize pickers to be attached for harvesting maize cob silage (MCS)
- Effective power transmission via quick-release coupler
- Reliable crop flow with integrated feed roller
- Friction concave plates and CORN CRACKER are used as indicated by crop maturity

## Compatibility of front attachments with JAGUAR

	PICK UP 380 / 300	DIRECT DISC 600 P / 500 P 600/500	ORBIS 900	ORBIS 750	ORBIS 600 SD / 600	ORBIS 450
<b>JAGUAR</b>						
900 series	○ / ○	○ / ○	○	○	○ / ○	○
800 series	○ / ○	○ / ○	–	○	○ / ○	○

## PICK UP front attachments

PICK UP		380	300
Working position	mm	4660	3680
Working width, tine to tine	mm	3600	2620
Transport width	mm	3976	3000
Length	mm	1440	1440
Height	mm	1450	1450
Weight	kg	1580	1390

## Direct cutterbars

DIRECT DISC		600 P	600	500 P	500
Working width	mm	5959	5959	5132	5132
Transport width	mm	6015	6015	5189	5189
Transport length, on trailer	mm	10900	10900	10000	10000
Length	mm	2590	2350	2590	2350
Height	mm	1750	1750	1750	1750
Weight	kg	3330	3030	3080	2830

## Maize front attachments

ORBIS		900	750	600 SD	600	450
Working width	mm	8930	7450	6040	6007	4480
Transport width	mm	2995	2995	2995	2995	2995
Length	mm	2244	2244	2345	2345	2345
Height in working position	mm	1340	1460	1460	1460	1330
Height in transport position (with transport system)	mm	2500	2290	1725	2175	1330
Permitted total weight	kg	4430	3400	3000	2900	2500

## ORBIS with transport system: distance of axle to JAGUAR

JAGUAR	Distance at centre of axle	ORBIS transport system – JAGUAR drive axle	JAGUAR drive axle – JAGUAR steering axle
900	mm	1300	3070
800	mm	1480	2900

## Adapter for JAGUAR with maize picker

Adapter dimensions	Front attachments	Rows	Compatible with JAGUAR model:					
			502	499	498	497	496 / 500	
Weight	530 kg	CONSPPEED	6	○	○	○	○	○
Width	2320 mm	CONSPPEED	8	○	○	○	–	–
Height	1110 mm	CORIO	6	○	○	○	○	○
Length	725 mm	CORIO	8	○	○	○	–	–

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