

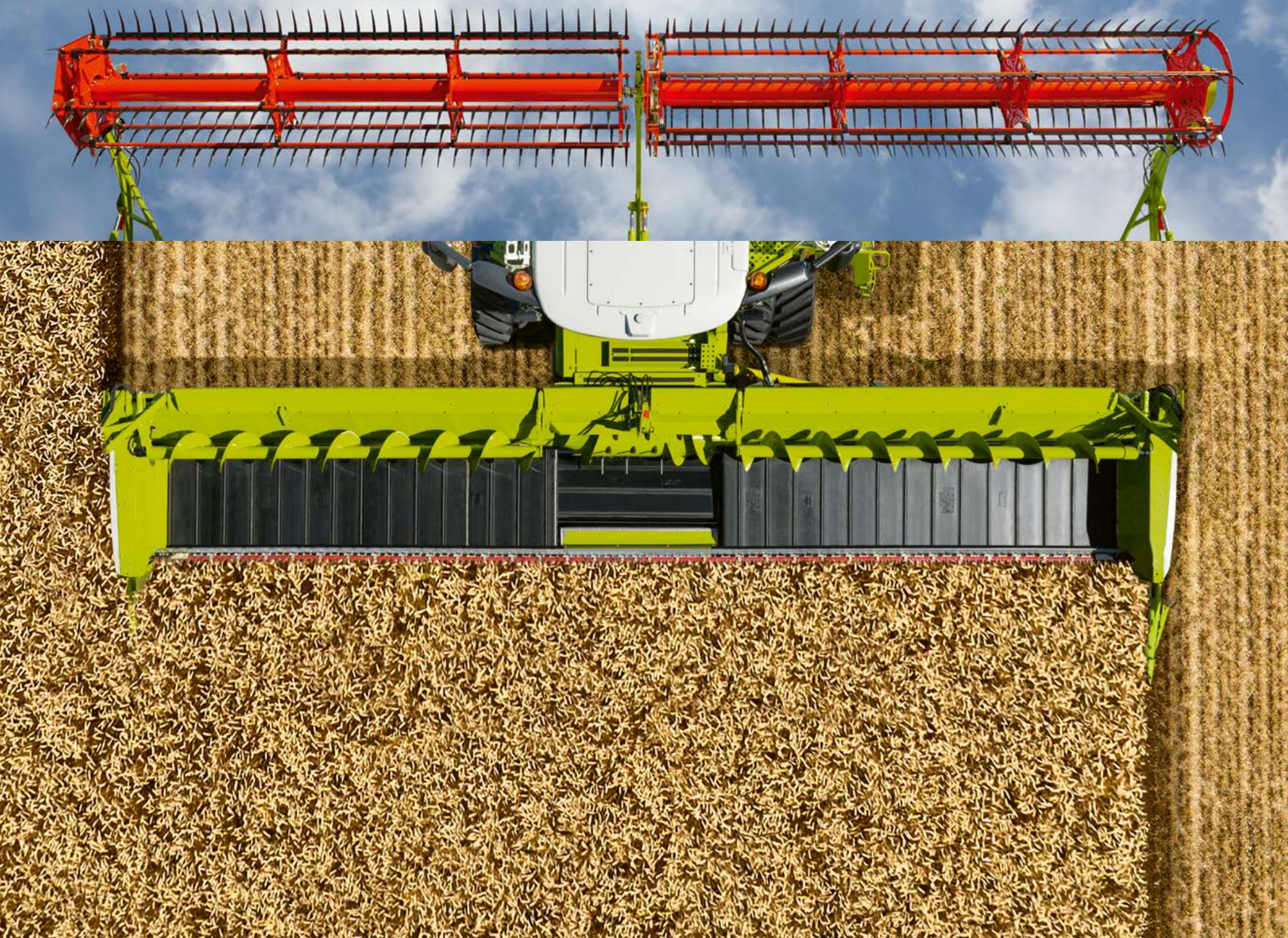


The new draper cutterbar.

For all threshing crops
For the highest throughput
For bulky rapeseed

4 For productive operators
7 For all ground contours
8 For your business

9
10
14



Designed to do more.
CONVIO FLEX / CONVIO.

CLAAS



Powerful cutterbar for all crops.

Draper cutterbars for more performance.

Draper cutterbars are used wherever low-growing and low-fruited stalk crops or difficult conditions (laid cereals, volunteers) necessitate very low cutting. The flexible cutterbar table ensures optimal ground contour following, even with widths as large as 13.80 m¹; the belts make for a gentle and even crop flow.

CLAAS for more flexibility.

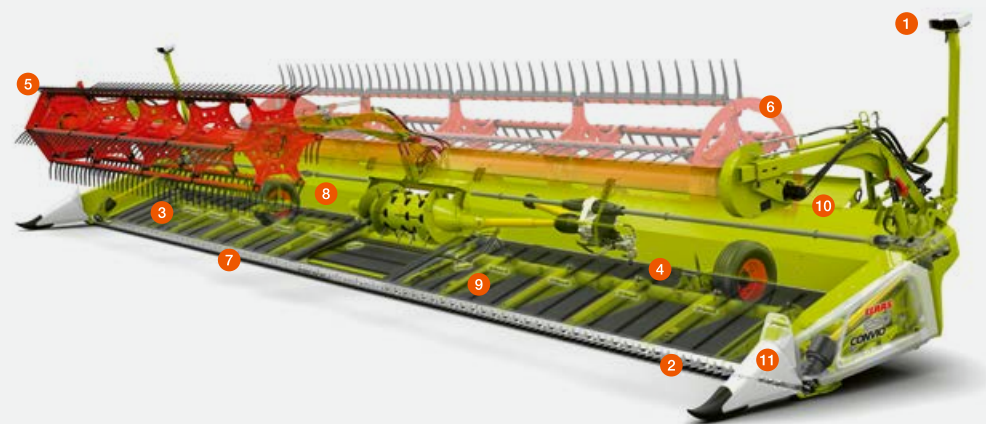
CONVIO FLEX, with its flexible knife bar, has been developed for universal use in all threshing crops, such as cereals, rapeseed, soybeans, peas, grass and many others. CONVIO (with a rigid knife bar) is particularly suited to cereals and rapeseed. The constant crop flow through the 13.80 m¹, 12.30 m or 10.80 m wide cutterbar provides the combine harvester with an even, high-volume supply of crop material.

Intelligence for more comfort.

CONVIO cutterbars provide the operator with a variety of assistance systems which can be operated from inside the cab. These include automatic reel torque control, AUTOMATIC BELT SPEED and AUTO CONTOUR FLEX which ensure that the cutterbar is automatically adjusted to the optimal configuration.

¹ Only for USA and Australia

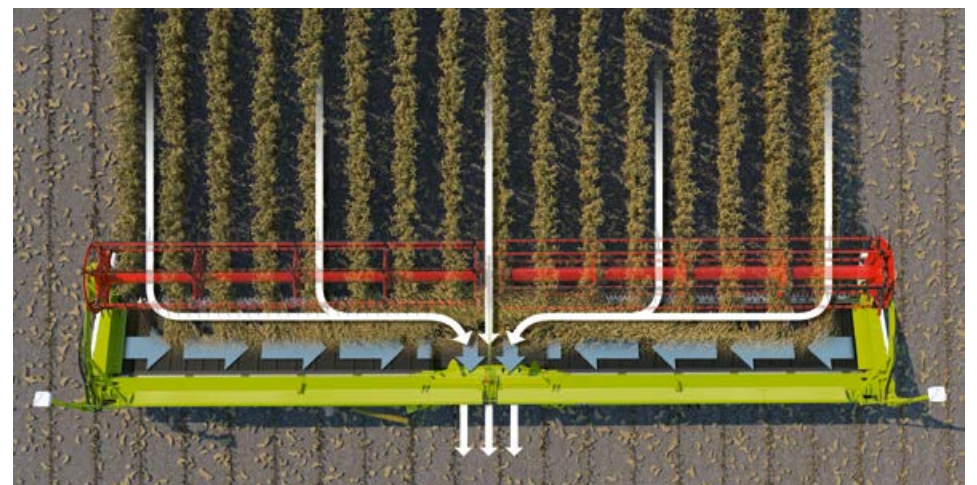
- 1 Cutterbar widths from 10.80 m to 13.80 m¹
- 2 Flexible knife bar with a total flex range of 225 mm
- 3 AUTOMATIC BELT SPEED: fully automatic adjustment of the belt speed to the crop conditions
- 4 ACTIVE FLOAT: adjustment of the ground pressure from the cab
- 5 Innovative, cam-track-controlled reel with flip-over concept
- 6 Automatic reel torque control
- 7 Flattest belt angle in the market
- 8 Optimal view into the cutterbar trough and of the belts
- 9 Four different AUTO CONTOUR modes for optimal easing of the operator's workload
- 10 MUTICROP: suitable for a variety of threshing crops
- 11 Easy conversion for cereals or rapeseed



¹ Only for USA and Australia

How a draper cutterbar works.

- 1 The knife bar cuts the crop at a low level.
- 2 The reel tines reach into the plant material and lift it onto the side belts.
- 3 The side belts actively feed the crop to the centre of the cutterbar and ensure an even crop flow, even under difficult conditions.
- 4 The open cutterbar trough and the flat angle of the belts maximise crop volume conveying capacity while allowing the operator to monitor the process easily.





Rugged plastic tines for maximum resilience



Cam-track-controlled reel with flip-over concept



Hydraulic reel drive

Innovative reel for the highest throughput.

New reel design.

The newly developed reel with its innovatively shaped, adjustable cam track allows the reel tines to pick up the crop before it is cut, thereby keeping front attachment losses to a minimum, especially in laid cereals. In short crops in particular, the tines optimise the feeding of the crop into the cutterbar. In addition, the unique flip-over concept prevents the crop from wrapping on the reel. In this way, the crop is fed efficiently, consistently and with minimal losses onto the belts of the CONVIO cutterbar, from where it is delivered evenly into the combine harvester.

Automatic reel torque control.

Thanks to the hydraulic reel drive, the torque applied to the reel can be adjusted automatically to cope with difficult harvesting conditions, such as laid crops. An automatic height control system, which operates on the basis of the programmed pressure and sensitivity levels, prevents the tines from digging into the ground.

Rugged reel tines.

Designed for maximum resilience, the plastic reel tines feed the crop powerfully. "Wings" between the individual tines reduce the tendency to wrap, help prevent the reel from entering the crop too deeply and keep the associated crop losses to a minimum.

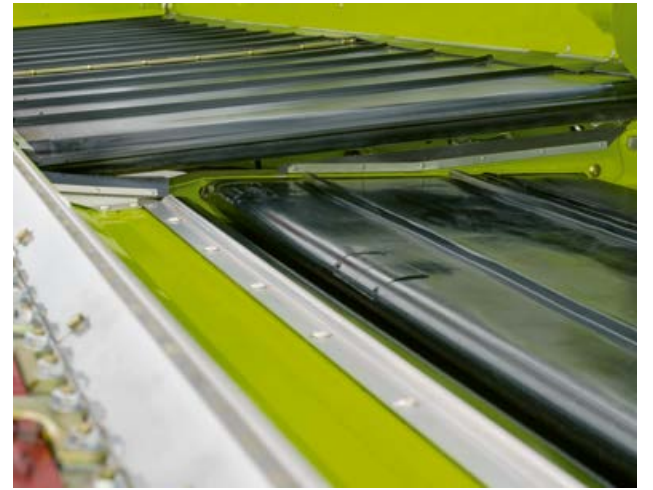
Together, these features mean that the innovative reel of the CONVIO cutterbar impresses with maximum performance, high throughput and low maintenance requirements.



Feed augers for rapeseed



New handle for easy handling



Central trough is closed off by rubber lips to prevent front attachment losses

Perfectly equipped for bulky rapeseed.

Optional rapeseed equipment.

The CONVIO cutterbars are among the few draper cutterbars in the market which are also suitable for harvesting rapeseed with minimal losses. The rapeseed equipment, which you can specify as an ex factory option, comprises:

- Rapeseed knives at right and / or left
- Interface for easy fitting of the rapeseed knives
- Hydraulic drives for the rapeseed knives
- Rapeseed feed augers
- Raised rear wall

Synchronised feed augers.

The two 420-mm diameter feed augers are ideal for operation in high-volume crop stands. The bulky plants are compressed and fed to the threshing unit with minimal losses.

A common hydraulic drive means that the side belts and the rapeseed augers always run synchronously. They are activated either automatically, as soon as the rapeseed knives are fitted, or manually by means of the main switch in CEBIS.

Easy-to-handle rapeseed knives.

An integral handle makes the newly developed rapeseed knives easy to fit and remove. Tool-free conversion from cereal crop dividers to rapeseed knives can therefore be carried out quickly and conveniently.

Raised rear wall enhances performance.

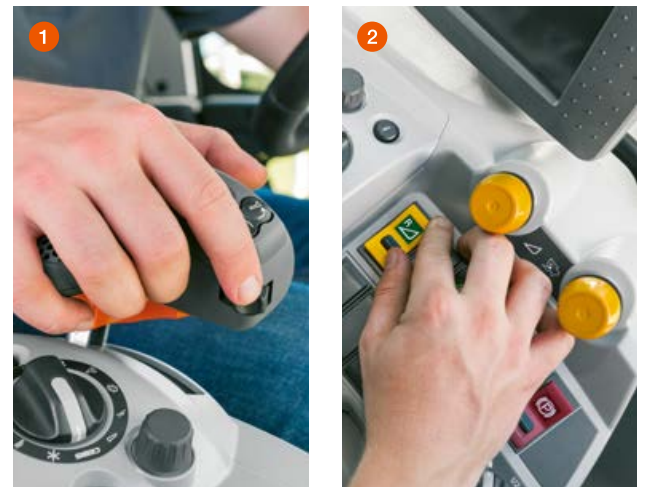
The raised rear wall of the cutterbar keeps crop losses to a minimum yet still gives the operator a clear view of the cutterbar.



Ground pressure can be adjusted from the cab



There is continuous automatic adjustment of the speed of the belts



Reversing is possible with CMOTION (1) or toggle switch (2)

Optimal support for productive operators.

ACTIVE FLOAT for the knife bar.

CONVIO FLEX is equipped as standard with the ACTIVE FLOAT hydropneumatic suspension. This suspension system allows the ground pressure of the knife bar to be adjusted to the field conditions from the cab while on the move.

Advantages for the operator:

- 1 Precise cutterbar guidance close to the ground through optimal ground pressure
- 2 Ideal when working in conditions where the moisture level - in the form of dew in the morning or evening, for example - is rising

AUTOMATIC BELT SPEED for the conveyor belts.

The AUTOMATIC BELT SPEED operator assistance system adjusts the speed of the belts to the harvesting speed continuously and completely automatically.

Advantages for the operator:

- 1 Constant, automatic adjustment of the belt speeds, especially in uneven crop stands
- 2 Speeds are always set correctly for an even crop flow

Reversing function for the critical elements.

Two reversing modes are available to ensure that it is possible to respond to the specific requirements of any situation: the toggle switch on the armrest reverses the reel, centre belt, intake auger and feeder housing, the button on the multifunction control lever reverses the centre and side belts while on the move.

In the event of belt slippage, the early warning system is triggered: this allows the operator to identify and intervene in critical situations at an earlier stage. Furthermore, the operator can monitor the correct load status of the belts - even in twilight or at night.

Maximum flexibility for all ground contours.

CLAAS AUTO CONTOUR for the best cut.

Maximum reduction in operator workload with optimal cutting performance – CONVIO FLEX can be used in four different modes:

- 1 Cereals: rigid cutterbar table
- 2 Laid cereals: change from rigid to flexible at the touch of a button while on the move
- 3 Flex: for low-growing crops, such as soybeans, peas, grass
- 4 AUTO CONTOUR FLEX: automatically delivers the lowest cutting height

1 Cereal mode.

Cutterbar table and knife bar are set to a rigid configuration.

2. Laid cereal mode.

The knife bar is rigid but can be changed to flexible mode with a touch of a button while on the move. This is especially useful for avoiding crop losses when dealing with isolated laid crop areas during cereal harvesting.

3 Flex mode.

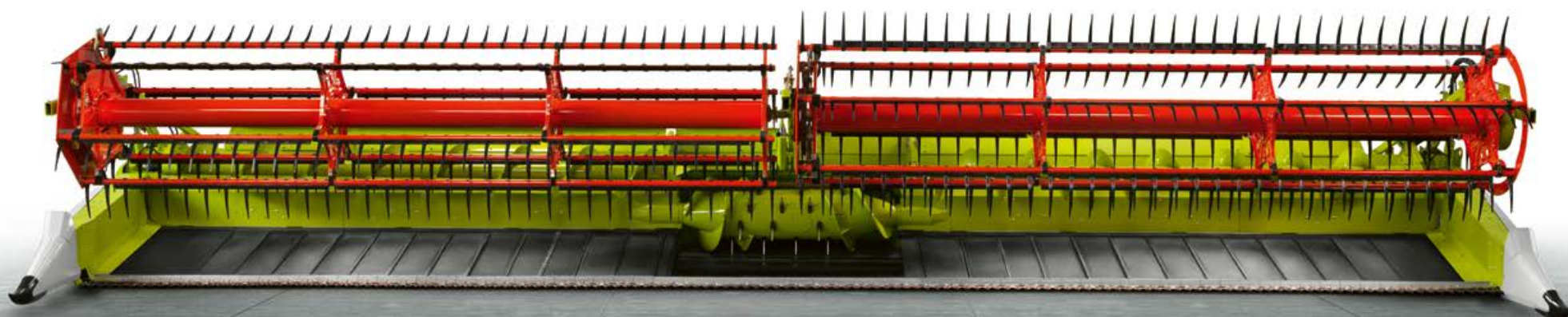
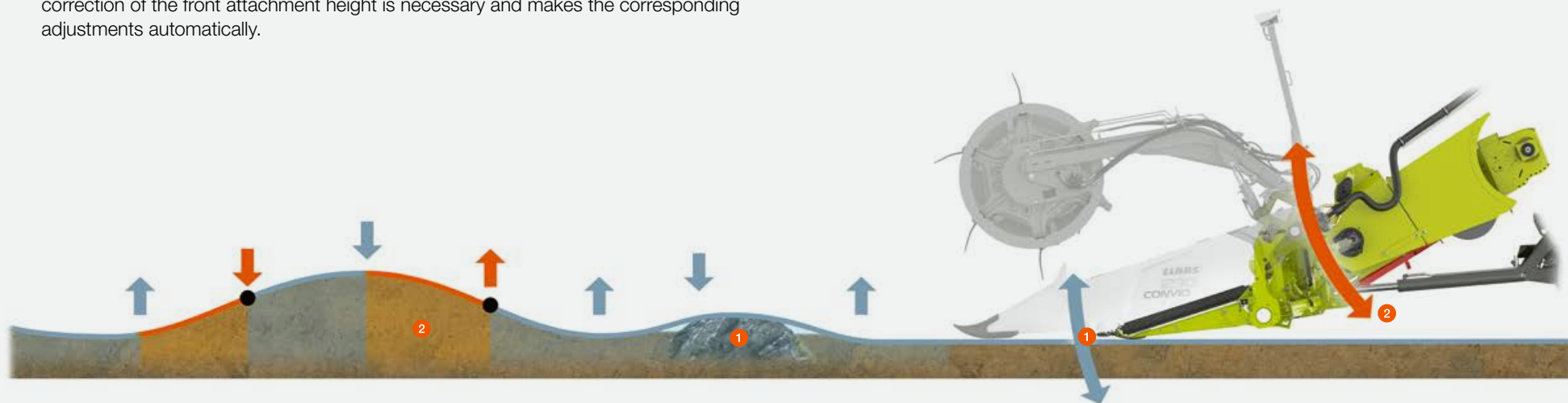
When flex mode is activated, the knife bar resting on its skids but exerting no ground pressure follows the ground contours. The flexible knife bar can avoid obstacles with a 90 mm upward deflection and also follow the ground contours with a downward deflection of 135 mm. With a

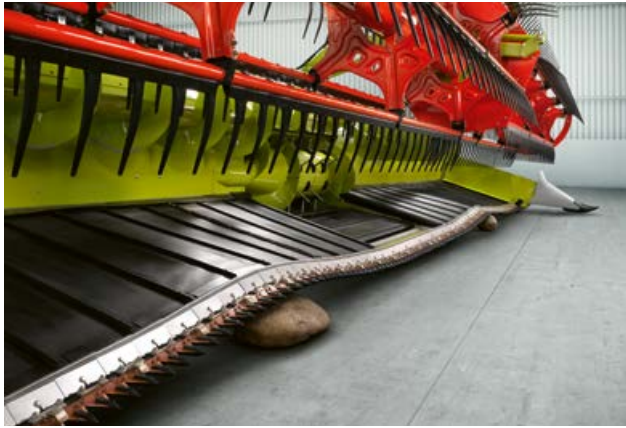
total flex range of 225 mm, CONVIO FLEX is therefore able to adjust to practically all ground conditions.

4 AUTO CONTOUR FLEX mode.

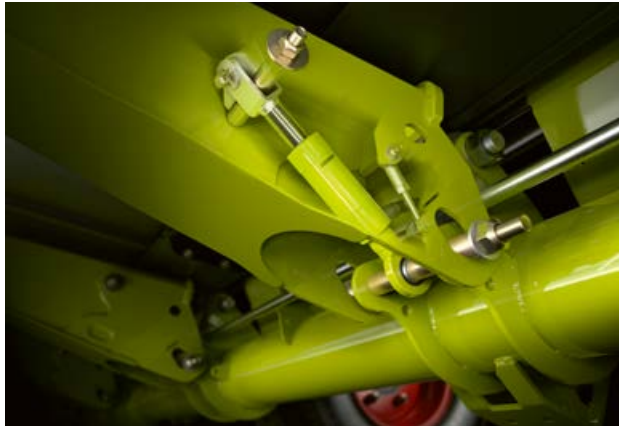
Automatic adjustment of the front attachment height is provided by the new AUTO CONTOUR FLEX mode. In this mode, CONVIO FLEX automatically and continuously determines if the knife bar can be lowered further in order to ensure that the lowest cutting height is achieved at all times.

- 1 When ground irregularities (stones, ruts, mounds) are encountered, the knife bar can deflect 135 mm downward and 90 mm upward.
- 2 While the machine is on the move, CONVIO FLEX continuously determines if further correction of the front attachment height is necessary and makes the corresponding adjustments automatically.





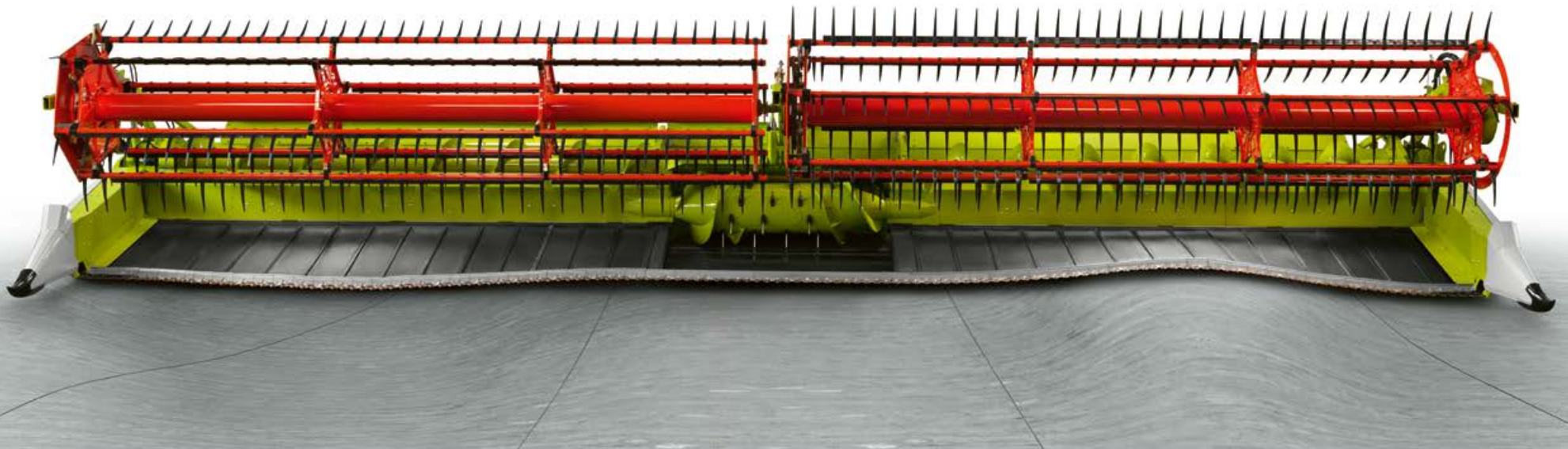
The knife bar is flexible across its entire working width



The ram position varies in accordance with the ground pressure and AUTO CONTOUR mode

Maximum reduction in operator workload:

The intelligent ground adaptation by the CONVIO FLEX makes it possible to change from rigid to flexible mode and back again at the touch of a button without the need for any conversion measures. In this way, it is possible to work without interruption in all conditions (e.g. in a laid crop). Furthermore, when harvesting low-growing threshing crops, AUTO CONTOUR FLEX mode can be used to adjust the front attachment height continuously and entirely automatically.



Just right for your business.

CONVIO		FLEX 1380 ¹	FLEX 1230	FLEX 1080	1380 ¹	1230	1080
Effective cutting width	mm	13790	12260	10740	13790	12260	10740
Effective cutting width	ft	45.24	40.22	35.24	45.24	40.22	35.24
Drive on both sides		●	●	●	●	●	●
Dividers							
Soybeans (short)		●	●	●	–	–	–
Soybeans (long)		○	○	○	–	–	–
Cereals (short, folding, tool-free)		○	○	○	●	●	●
Cereals (long, folding, tool-free)		○	○	○	○	○	○
Rice		○	○	○	○	○	○
Intake auger finger adjustment		●	●	●	●	●	●
Knife undivided		●	●	●	●	●	●
Reel bearings, divided		●	●	●	●	●	●
Crop lifters		○	○	○	●	●	●
Vertical flexibility of knife bar							
upward	mm	90	90	90	–	–	–
downward	mm	135	135	135	–	–	–
ACTIVE FLOAT		●	●	●	–	–	–
Intake auger diameter (ext. / int.)	mm	620 / 420	620 / 420	620 / 420	620 / 420	620 / 420	620 / 420
Replacement knife		●	●	●	●	●	●
Side belt depth	mm	1079.50	1079.50	1079.50	1079.50	1079.50	1079.50
Trough depth	mm	1329	1329	1329	1329	1329	1329
Width of centre belt	mm	2000	2000	2000	2000	2000	2000
Weight (without rapeseed equipment)	kg	4600	4350	4050	4550	4300	4000

CONVIO		FLEX 1380 ¹	FLEX 1230	FLEX 1080	1380 ¹	1230	1080
Automated cutterbar control							
AUTO CONTOUR		●	●	●	●	●	●
AUTO CONTOUR FLEX		●	●	●	–	–	–
Automatic parking position		●	●	●	●	●	●
Automatic operating position		●	●	●	●	●	●
Reel torque control		●	●	●	●	●	●
Reel speed control		●	●	●	●	●	●
Automatic reel height		●	●	●	●	●	●
Automatic reel levelling		●	●	●	●	●	●
AUTOMATIC BELT SPEED		○	○	○	○	○	○
LASER PILOT		○	○	○	○	○	○
Rice equipment							
Rice harvesting system		○	○	○	○	○	○
Rice crop dividers		○	○	○	○	○	○
Rapeseed equipment							
Rapeseed knives		○	○	○	○	○	○
Feed auger		○	○	○	○	○	○
Raised rear wall		○	○	○	○	○	○

¹ Only for USA and Australia

CLAAS continually develops its products to meet customer requirements. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please refer to your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed for photographic purposes in order to present the function clearly. To avoid any risk of danger, never remove these protective panels yourself. In this respect, please refer to the relevant instructions in the operator's manual. All technical specifications relating to engines are based on the European emission regulation standards: Stage. Any reference to the Tier standards in this document is intended solely for information purposes and ease of understanding. It does not imply approval for regions in which emissions are regulated by Tier.



CLAAS KGaA mbH
Mühlenwinkel 1
33428 Harsewinkel
Deutschland
Tel. +49 5247 12-0
claas.com

160032000618 KK LC 0718 / 00 0259 195 0

Ensuring a better **harvest.**