



Combine harvesters

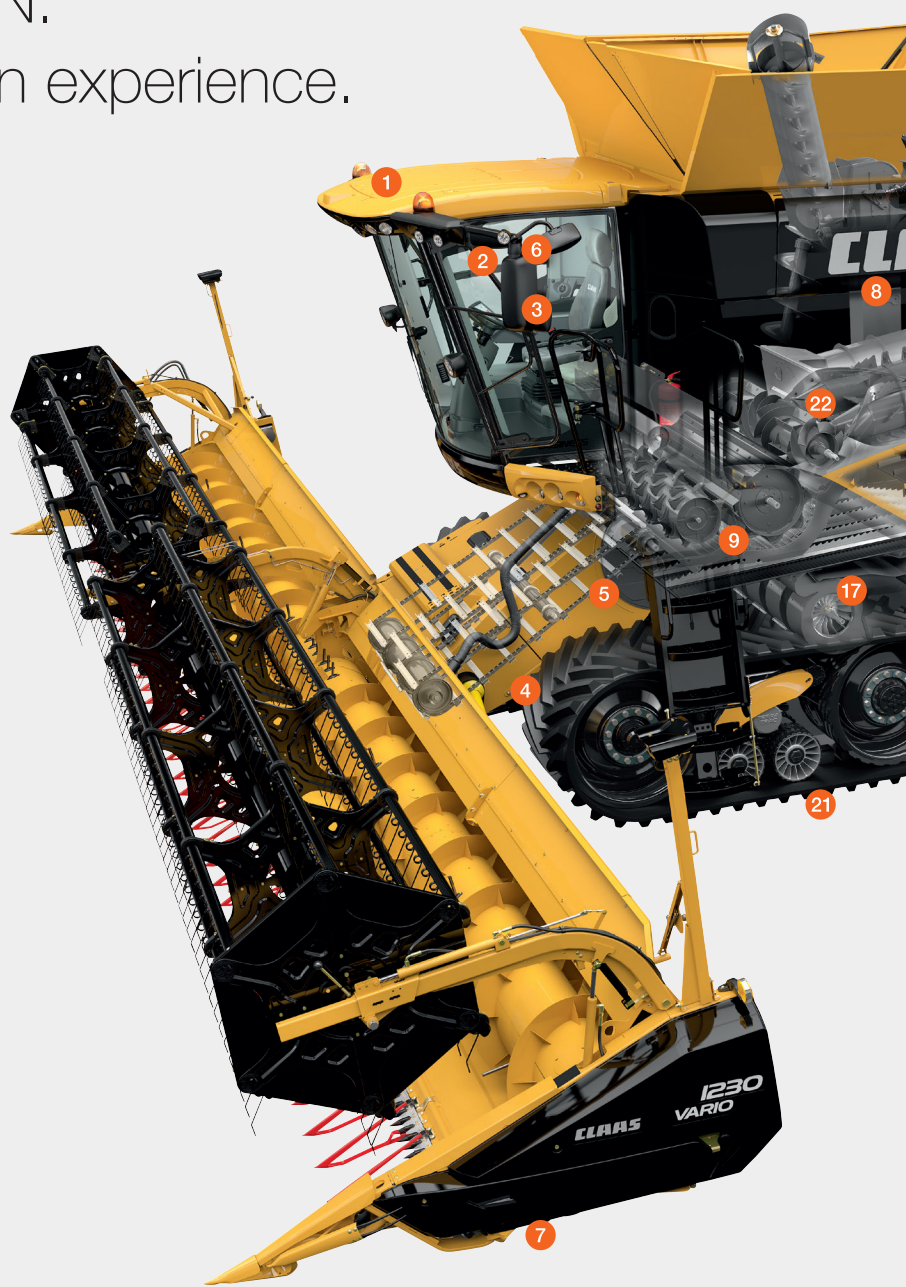
LEXION

780 760 750 740 730 670

CLAAS



LEXION.
Built on experience.



4-link rear axle



In-cab returns window



- | | | | |
|----|--|----|---|
| 1 | TELEMATICS | 13 | Mercedes-Benz or Cat engine |
| 2 | CEMOS DIALOG | 14 | PRO CHOP / TURBO CHOP /
Standard Chopper / Straw Spreaders |
| 3 | CEMOS AUTO CLEANING /
CEMOS AUTO SEPARATION | 15 | Central lubrication |
| 4 | CEMOS CRUISE PILOT | 16 | 4-link rear axle |
| 5 | CEMOS AUTO CROP FLOW | 17 | CEMOS AUTO SLOPE |
| 6 | GRAIN QUALITY CAMERA | 18 | Chaff blower |
| 7 | AUTO CONTOUR | 19 | JET STREAM cleaning
with 3D cleaning |
| 8 | QUANTIMETER and GRAINMETER | 20 | Separate returns pan |
| 9 | APS threshing system | 21 | TERRA TRAC |
| 10 | DYNAMIC COOLING | 22 | 4D-cleaning system |
| 11 | PROFI CAM | | |
| 12 | ROTO PLUS separation system | | |

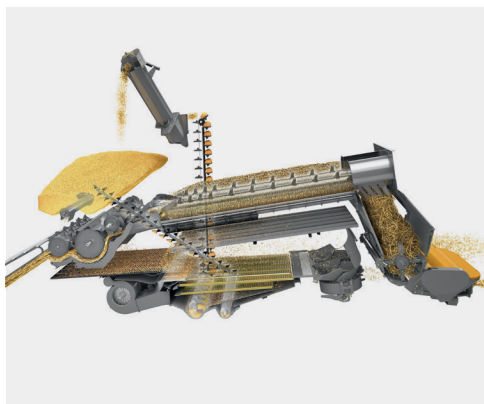


POWER TRAC rear wheel assist



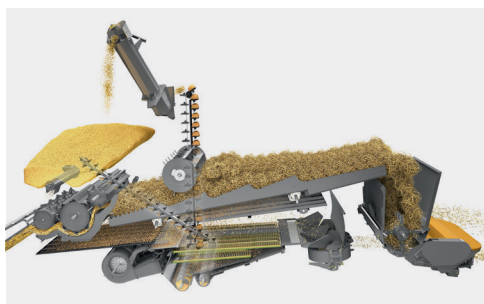
HP feederhouse

Crop flow.



APS HYBRID SYSTEM.

The APS HYBRID SYSTEM represents a combination of two industry leading technologies: the Accelerated Pre-Separation (APS) threshing system and the highly efficient ROTO PLUS dual rotor separation system. Only CLAAS integrates both systems into one machine, giving you a significant competitive edge over other combine processors. Independent threshing and separation speed control enables greater flexibility to adapt to changing conditions.



APS straw walker system.

The APS straw walker system uses the same high capacity APS threshing technology as the LEXION 700 series. The APS threshing system allows the LEXION 600 series to excel in capacity due to the reduced amount of grain needing to be separated by the straw walkers compared to competitive straw walker machines.



JET STREAM cleaning system.

The JET STREAM cleaning system is designed specifically to match the capacity of the APS HYBRID SYSTEM to generate the wind necessary for high capacity cleaning. Segmented turbine fans distribute air more evenly over the full width of the cleaning system and generate greater pressure per rpm resulting in a wider range of adjustability.



Residue management.

CLAAS offers four residue management systems with almost endless options and conveniences to fit all your residue management needs: PRO CHOP, TURBO CHOP, Standard Chopper, and Straw Spreaders.

Available in-cab conveniences include: stationary knife and friction floor engagement, spreading / windrowing adjustment, spread width adjustment, spread direction adjustment, overlap adjustment, and automatic side-wind / slope compensation.

Engine + Ground drive.



Engines.

CLAAS POWER SYSTEMS lead the industry in fuel efficiency. All LEXION combine engines are Tier 4f compliant and are equipped with DYNAMIC COOLING.



DYNAMIC COOLING.

The DYNAMIC COOLING system pulls cool, clean air from above the combine through the radiator coolers and out the vents in the side panels - forcing dust and debris away from the combine to keep the entire cooling system and air filter clean longer. The DYNAMIC COOLING fan speed adjusts automatically to the engine temperature (hotter = faster; cooler = slower), conserving power for more efficient operation.



TERRA TRAC.

The TERRA TRAC is a CLAAS exclusive that has been available on LEXION combines for more than 20 years and has evolved to keep up with the demands of owners and operators. The TERRA TRAC is fully suspended to ensure leading ride quality while maintaining a high level of floatation and maneuverability.

Cab + Comfort.



CEBIS MOBILE.

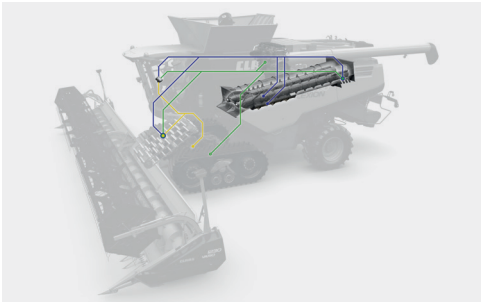
The new CEBIS MOBILE 12-inch color touchscreen brings the functions of all the current operator assistance systems together, allowing the operator to maintain full control over machine operating states at all times from a single terminal and to adjust all the assistance system functions as necessary.



CMOTION multifunction lever.

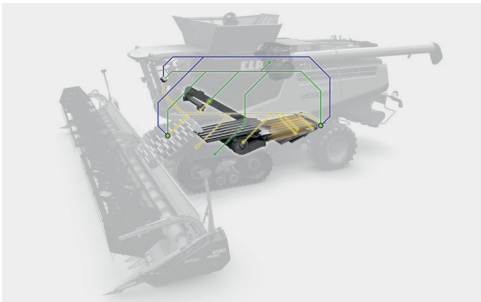
The CMOTION multifunction lever is ergonomically designed to allow your arm to rest in a more natural way when operating the combine.

Operator assistance.
CEMOS AUTOMATIC.



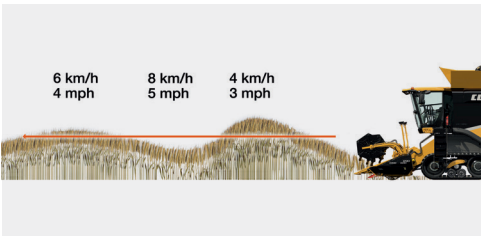
CEMOS AUTO SEPARATION.

CEMOS AUTO SEPARATION optimizes rotor speed and cover plate position settings automatically to ensure optimal separation performance while harvesting.



CEMOS AUTO CLEANING.

CEMOS AUTO CLEANING optimizes fan speed and upper and lower sieve settings automatically to ensure optimal cleaning performance while harvesting.



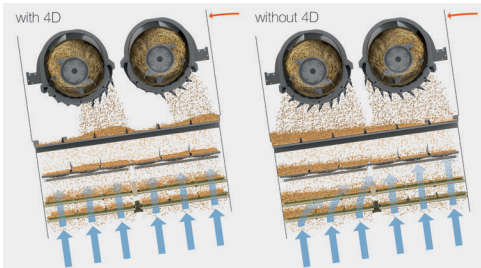
CEMOS CRUISE PILOT.

CEMOS CRUISE PILOT is a throughput control system that operates proactively (vs. reactive competitive systems), using innovative feederhouse crop flow sensors to ensure the combine is always at an optimal level of performance for maximum productivity.



CEMOS AUTO CROP FLOW.

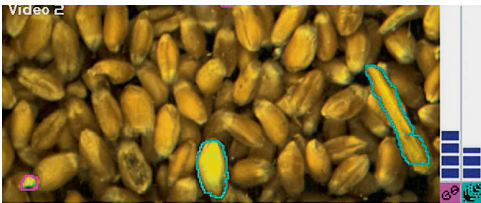
CEMOS AUTO CROP FLOW continuously monitors machine load levels to prevent the combine from overloading. If activated, the system automatically stops machine feeding and slows down the machine.



4D-cleaning system.

The exclusive hydraulic-controlled rotor cover plates automatically adjust to compensate for side roll of the combine, while the cleaning fan speed adjusts automatically to compensate for fore/aft pitch, resulting in continuous, even flow onto the cleaning system to ensure maximum grain retention in changing terrain.

Operator assistance.
GRAIN QUALITY CAMERA.



GRAIN QUALITY CAMERA.

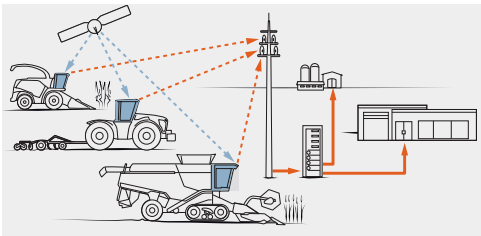
The camera gives a visual determination of grain quality. Both the proportion of broken grain and proportion of material other than grain can be shown as a live image or as a digital display in CEBIS or CEBIS MOBILE.

Precision agriculture.



Third-party platforms.

Ag Leader: efficient machine control plus instantaneous information simplifies decisions that impact yield and profitability. See vital information to help manage harvest on-the-go.
Trimble: delivers vehicle steering, enhanced harvest, and yield monitoring activities. Improve everyday planning, decision making and overall strategy for your farm.
The Climate Corporation: use FieldView™ to make data driven decisions to maximize your return on every acre. Plug the FieldView™ Drive in the cab to collect and visualize data.



TELEMATICS.

TELEMATICS connects you to the power of decision making resulting in optimized uptime, logistics management capabilities, and machine performance monitoring. Get real-time data streamed directly to your mobile and web app for easy to analyze information.

Model	780TT / 780	760TT / 760	750TT / 750	740TT / 740	730	670TT / 670
AEM Class size	10	9	8	7	6	7
Threshing system	APS	APS	APS	APS	APS	APS
Threshing width (in / mm)	67 / 1700	67 / 1700	56 / 1420	56 / 1420	56 / 1420	67 / 1700
Separation system	ROTO PLUS	ROTO PLUS	ROTO PLUS	ROTO PLUS	ROTO PLUS	Straw walker
Grain tank capacity (bu / l)	780: 360 / 12,800	760: 360 / 12,800	330 / 11,500	300 / 10,600	300 / 10,600	330 / 11,500
	780 TT: 385 / 13,500	760 TT: 385 / 13,500		330 / 11,500	330 / 11,500	
Unloading rate (bu / l per sec)	3.8 / 130	3.8 / 130	3.8 / 130	3.8 / 130	3.8 / 130	3.8 / 130
		2.8 / 90 rice	2.8 / 90 rice	2.8 / 90 rice		3.3 / 110
Engine manufacturer	Mercedes-Benz (OM 473 / Tier 4)	Caterpillar (C13 / Tier 4)	Caterpillar (C13 / Tier 4)	Caterpillar (C13 / Tier 4)	Mercedes-Benz (OM 470 / Tier 4)	Mercedes-Benz (OM 470 / Tier 4)
Rated power (hp / kW)	570 / 425	503 / 375	456 / 340	402 / 300	349 / 260	375 / 280
Maximum power (hp / kW)	617 / 460	543 / 405	496 / 370	436 / 325	368 / 280	402 / 300
Fuel tank capacity (gal / l)	304 / 1,150	304 / 1,150	304 / 1,150	211 / 800	211 / 800	211 / 800
				304 / 1,150	304 / 1,150	
DEF tank capacity (gal / l)	22 / 85	22 / 85	22 / 85	22 / 85	22 / 85	22 / 85

Headers.



VARIO



MAXFLEX



MAXFLO



SWATH UP



CLAAS Corn Heads



Capello Corn Heads

	1230 (40 ft)	1200 (40 ft)	1080 (35 ft)	1050 (35 ft)	950 (30 ft)	930 (30 ft)	750 (25 ft)	770 (25 ft)	450 (15 ft)										
VARIO	x		x																
MAXFLEX		x		x		x		x											
MAXFLO		x		x	x (rice)		x (rice)												
SWATH UP									x										
	18-20	18-20c	16-30	16-30c	12-30	12-30c	12-22	12-22c	12-20	12-20c	8-30	8-30c	6-30						
CLAAS non-chopping corn heads	x		x		x		x		x		x		x						
CLAAS chopping corn heads		x		x		x		x		x		x							
	18-22	18-22c	16-22	16-22c	16-20	16-20c	12-38	12-38c	12-30f	12-30fc	8-38	8-38c	8-36	8-36c	8-30f	8-30fc	6-30c		
Capello non-chopping corn heads	x		x		x		x		x		x		x		x				
Capello chopping corn heads		x		x		x		x		x		x		x		x	x		

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