

For those who  
carve their own path.

The LEXION 6000 Straw Walker Combine.



# The LEXION straw walker combine.

## Brighter thinking means a brighter business for you.

Our passion for building combines dates back to 1936, and since then we have continuously shaped the history of harvesting technology. Indeed, no other company has played such a significant role as CLAAS in the development and innovation of today's combine harvesters. But there is more to what we do than advancing technology – we understand the needs of our customers. Much of what farmers and contractors tell us drives our development process to ensure our products fit the needs of their businesses. The demands of our changing world are also constantly driving us forward.

These drivers have made us what we are today: the business-minded manufacturer for the business-minded ag professional. And the partner of choice for revolutionary harvesting technology. We put our brightest thinking into cutting-edge products that help our customers save more time and make more money. So their businesses are even better than before.

This means the LEXION 6000 Series straw walker combine is not just the latest model in the series. It is a combine that has been redesigned and redeveloped from the ground up in close cooperation with those who will use it as a tool to get more from each day and create their own success. Together, we have combined brighter ideas for our mutual benefit. These ideas not only come from our exacting nature and always wanting to improve - they are also the result of our sheer enthusiasm and passion for agriculture. Because we know that, together, this results in an even brighter future for us all.



**Cathrina Claas-Mühlhäuser**  
Chair of the Shareholders' Committee

How do we innovate at CLAAS?

It's simple. By working continuously to make harvesting technology better, faster and more efficient. And, a little different, too.





CLAAS

CLAAS

LEXION

5800  
LEXION



# Turning heads and acres in record time.

The CLAAS LEXION combine is an engineered mix of efficiency, precision and convenience – all in a reliable and easily-maintained package. Everything is designed with your efficiency in mind. Because we know that you can't put more hours in the day, but you can put in more acres.

We also know a LEXION combine isn't for everyone. It's for those with a plan. For those who want to take more control of their operation and do things the smartest way - not necessarily the way they've always been done. A LEXION combine is for leaders. Is it for you?

up to **402** hp

up to **425** bu  
grain tank

**5.1** bu/sec  
unload speed

**25** mph  
transport speed

**# 1**  
in in-cab convenience  
features

**# 1**  
in throughput capacity  
per class size





# A machine that's as ambitious as you are.

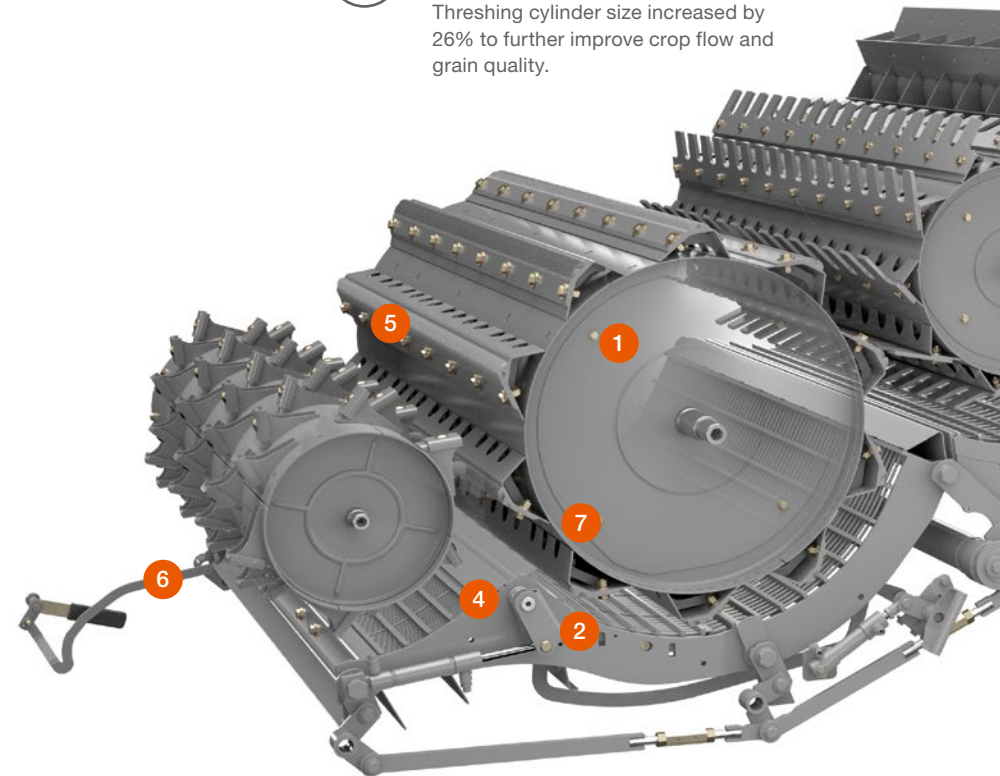
## APS SYNFLOW WALKER

The key to lasting success is to stay hungry and to refuse to settle for the first solution that presents itself. With this principle in mind, CLAAS developed the APS SYNFLOW WALKER threshing system and opened up a new category in the straw walker combine harvester segment. It brings together the accelerated crop flow provided by APS with an additional separator drum after the threshing drum. Because of this, you can benefit from exceptional, fuel-efficient throughput and the highest straw quality at the same time - not one or the other. Zero compromises.

# 30 in

1

Threshing cylinder size increased by 26% to further improve crop flow and grain quality.



## More capacity

8

Six long walkers and large separator cylinder increase separation capacity and versatility.



## Hydraulic concave blanking plate

2

Can be engaged from the cab to intensify threshing action.



# 24 in

3

Large, additional separator drum with active separation delivers greater throughput.

## Hydraulic intensive threshing segment

4

Can be engaged from the cab to intensify threshing action.



## High-performance pre-separation

6

Pre-separate up to 30% of the crop before it reaches the threshing area.



## MULTICROP

7

Complete crop conversion can take place from the cab.



## Crop Flow

5

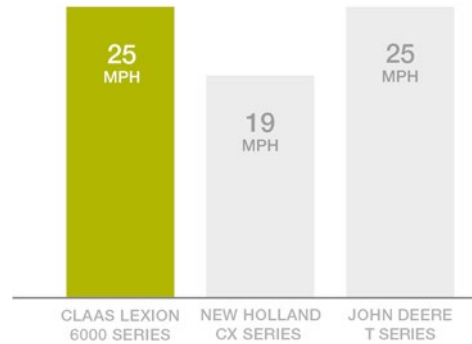
One-to-one feed-to-thresh ratio paired with a straight line crop flow results in fuel efficiency, gentle crop handling, and maximum capacity.



## Convenience

Save time and money with minimal downtime between crops thanks to in-cab crop conversion capabilities and the fastest road speed for all models on the market.

### STANDARD TRANSPORT SPEED



### CROP CONVERSION CAPABILITIES

	CLAAS LEXION 6000 SERIES	NEW HOLLAND CX SERIES	JOHN DEERE T SERIES
Threshing Speed	Push-Button	Manual	Manual
Chopper Speed	Push-Button	Manual	Manual
Residue Size Control	Push-Button	Manual	Manual

Decrease daily maintenance time due to the central lubrication system and DYNAMIC COOLING.

### MAINTENANCE

		CLAAS LEXION 6000 SERIES	NEW HOLLAND CX SERIES	JOHN DEERE T SERIES
Grease Zerks Within System	number	Up to 74	N/A	N/A
Daily Air-Filter Maintenance	minutes	0	15	15
Daily Machine Clean Off Time	minutes	20	45	45
Daily Maintenance Time	minutes	20	60	60

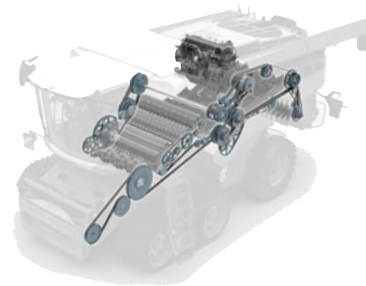
## Efficiency

Harvest more acres per hour than any other combine on the market thanks to the capacity of the APS SYNFLOW HYBRID system.

Save money on fuel due to efficient machine design and DYNAMIC POWER.

A grain handling system that features the industry's largest grain tank and a faster unload speed, matched perfectly with the highest capacity processor per class size in the industry, means less unloads needed.

### TOTAL THROUGHPUT (BU/HR)



### CAPACITY AND UNLOAD SPEEDS

		CLAAS LEXION 6000 SERIES	NEW HOLLAND CX SERIES	JOHN DEERE T SERIES
Max Unloading Rate	bu/sec	5.1	3.5	3.3
Max Grain Tank Capacity	bu	425	350	300
% More Unloads Needed		-	19	39

\* Based in internal studies and estimates running combines in wheat at 1% grain loss.

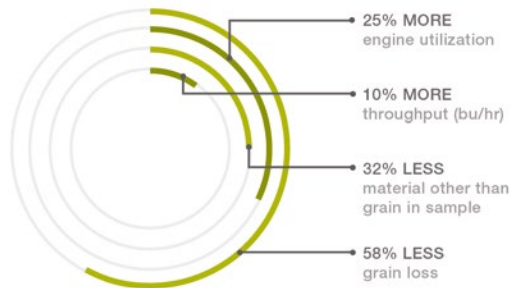


## Precision

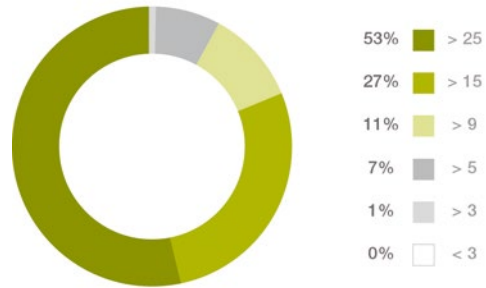
CEMOS AUTOMATIC autonomously and automatically makes real-time, in-field adjustments with more precision and speed than a seasoned operator. This results in individual threshing and separation speed adjustment capabilities allowing the operator to set the machine precisely for the crop and condition it is harvesting in - meaning minimal grain loss.

In-cab configuration adjustment capabilities give the operator complete control of crop flow settings on the fly.

### CEMOS BY THE NUMBERS



### STRAW QUALITY PERCENTAGE OF SAMPLE BY LENGTH



### MACHINE ADJUSTMENTS

		CLAAS LEXION 6000 SERIES	NEW HOLLAND CX SERIES	JOHN DEERE T SERIES
Grate Changeover		15	20	60
Threshing Enhancer	minutes	Push-Button	30	30
Threshing Concave Blanking	minutes	Push-Button	15	15
<b>Total Configuration Time</b>	minutes	<b>15</b>	<b>65</b>	<b>105</b>

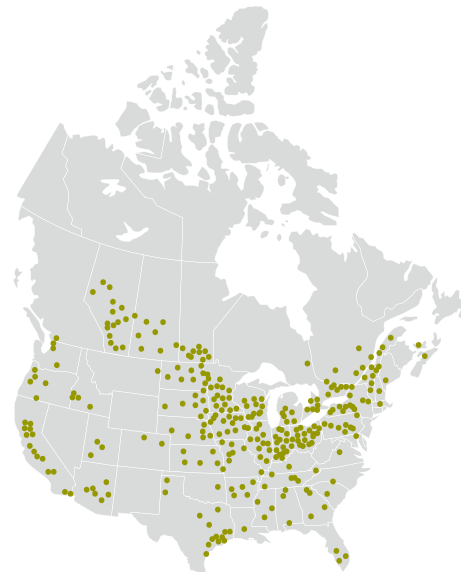
## Precision

Expect minimal downtime with a reliable machine and reliable dealer service.



93% of CLAAS LEXION customers are satisfied / highly satisfied with dealer service.

96% parts fill rate from CLAAS Parts.



The CLAAS On Your Farm Parts program allows owners to customize a selection of parts to keep on their farm to prevent downtime.

Pick up CLAAS parts from one of the 225 combine or parts dealership locations.

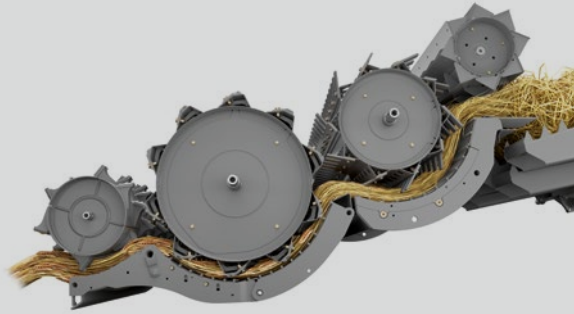
## At the end of the day. You'll have more to show for it.

With the increased capacity of the LEXION 6800, you'll get up to 25 percent more throughput from your straw walker combine. The APS SYNFLOW WALKER design is the straightest crop flow in the industry and the only combine on the market with a pre-separator drum in front of the threshing drum for constant crop acceleration, efficient grain separation, and gentle straw handling without having to make any sacrifices.

Paired with the industry's largest grain tank and fastest unloading speeds, LEXION 6800 are built to cut through acres. It's the only combine that can get more done in the same amount of time.







#### ◀ **APS SYNFLOW WALKER.**

- The only straw walker combine with an accelerator drum to balance crop flow and optimize capacity of the threshing cylinder.
- Enlarged threshing cylinder and feed impeller improve crop flow and grain quality
- 20% more threshing area
- Higher centrifugal force for more efficient separation
- Straightest crop flow for higher straw quality
- Achieve up to 25% more acres per hour

#### ◀ **DYNAMIC POWER.**

- Optimizes power and fuel consumption to ensure there is power when needed and fuel efficiency when not
- Results in the lowest possible fuel consumption - up to 31% lower than nearest competitors - and reduces overall operating costs
- Provides a power boost when unloading
- on the go to ensure productivity is not compromised

#### ◀ **Grain handling system.**

- Each combine model has a 385 bu grain tank standard, the largest available per class and optional 425 bushel grain tank for even longer intervals between unloads
- The unload speed matches the grain tank capacity, reaching up to 5.1 bu/sec



## You find the land. We'll find the time.

We took the most productive combine harvester in the world and made it even better. With the new APS SYNFLOW threshing technology, you can achieve up to 25% more throughput. But that's only part of the story: a wide range of high-performance engines and drive systems - including the Generation III TERRA TRAC drive system that provides unmatched stability and ride comfort - as well as practical operator assistance systems make the new LEXION the most efficient version ever. In every field. In all harvesting conditions.





### TERRA TRAC.

#### Stability and traction keep you in the field.

The third generation CLAAS TERRA TRAC offers the highest quality ride with low ground pressure (as low as 10.5 PSI) that allows you to get in the field when others can't and harvest with minimal compaction to preserve soil health.

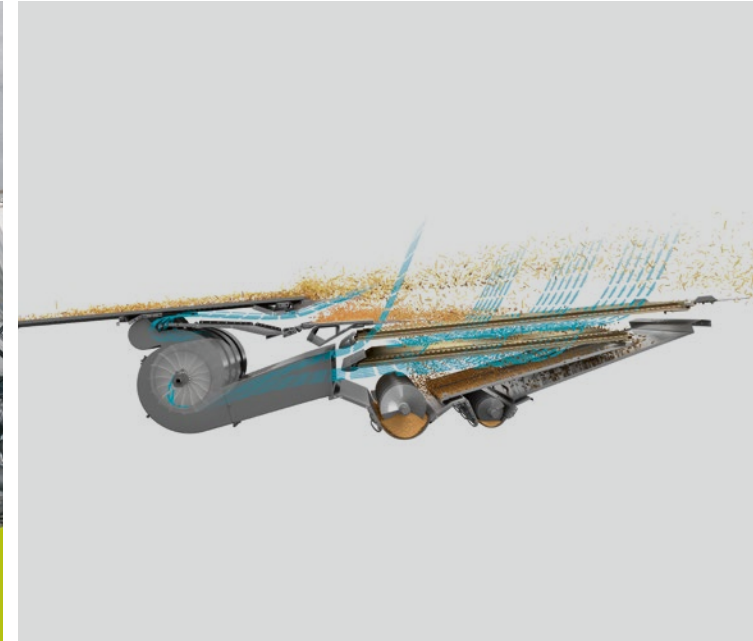
- Transport width just under 14 ft
- Improved traction and stability in all conditions
- Efficient transfer of power to the ground
- Full built in suspension for comfortable ride



### DYNAMIC COOLING.

#### Keeps its cool in every situation.

- Variable fan drive for cooling on demand
- Full fan speed only under full load
- Air flow with curtain effect actively minimizes extent to which dust is able to rise
- Requires 20 hp less engine output through dynamic cooling and therefore saves fuel
- Standard on every LEXION



### JET STREAM.

#### Impeccable cleaning.

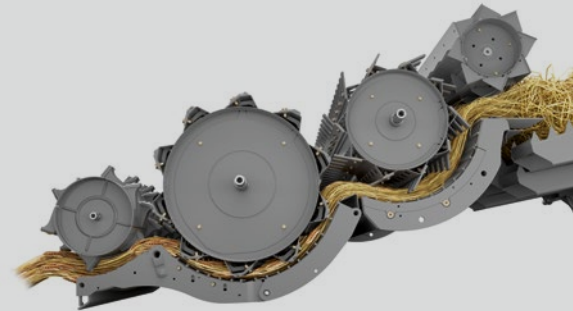
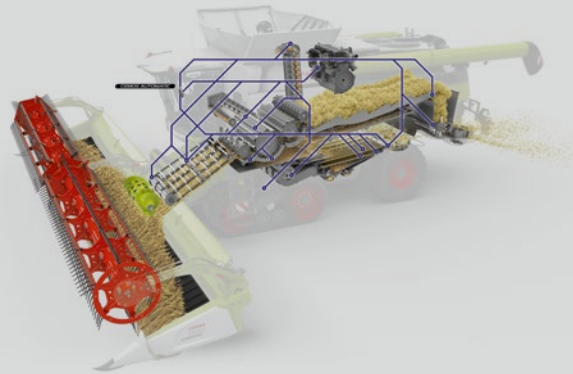
- Dual-ventilated straw walker step for intensive pre-cleaning
- High standard of cleaning provided by powerful yet compact cleaning system
- Reduced sieve loading
- Standard on all machines

# Farming is a competition. This is how you win.

Everyone is looking for an edge, and the LEXION combine gives you the advantage you need. At the peak of precision is the CEMOS AUTOMATIC combine automation system that makes autonomous and automatic real-time in-field adjustments with more precision and speed than a seasoned operator. Equipped with more in-cab controls and on-the-fly adjustment capabilities, along with the highest-quality machine performance feedback, the LEXION combine makes certain you are always set up to succeed.







### ◀ CEMOS AUTOMATIC.

- Released in 2013, CEMOS AUTOMATIC is the industry's most experienced combine automation system
- Autonomously and automatically controls combine settings and adjustments
- Self-learning system tests alternative settings to ensure the machine is running at maximum efficiency
- Allows for full, automatic machine optimization

### ◀ Synchronized cylinder speed adjustment.

- The operator can more precisely adjust machine threshing settings for changing crop conditions
- Superior operator control leads to less than one percent grain loss
- CEMOS AUTO THRESHING provides fully automated adjustment of threshing segments to maximize threshing performance and relieve operator workload

### ◀ Synchronized adjustments.

- The APS SYNFLOW WALKER combine features the most in-cab adjustment capabilities:
- Synchronized speed adjustment of the accelerator, threshing drum, impeller, and separator
- Hydraulic engagement of intensive threshing segments for better threshing in tough crop conditions
- Hydraulic main concave blanking plate
- In-cab adjustment of dual range threshing gearbox for easy crop changeover



# Built to save you time and make you money.

The LEXION combine is designed to save you time and make your job easier. With the industry's fastest transport speed, this machine not only gets you through the field faster, but it also gets you to the next field faster. In-cab conversion capabilities make it simpler and faster to switch between crops when needed. Daily maintenance time is shortened with features like the automatic central lubrication system and DYNAMIC COOLING. Your neighbors may not notice that this is one of the lowest cost combines to operate and maintain, but you certainly will.

## Transport speed.

- The LEXION 6000 Series combines - TERRA TRAC or wheeled - have a top transport speed of 25 mph standard

## In-cab conveniences.

- In-cab dual range threshing speed adjustment allows the operator to switch from high to low speed range
- In-cab residue management speed adjustment allows the operator to switch from high to low speed range
- In-cab residue size control allows the operator to adjust particle size
- These exclusive in-cab adjustments reduce the time needed for crop conversion by more than 50%

## Maintenance features.

- The industry-exclusive DYNAMIC COOLING system pulls cool, clean air from above the machine through the radiator, into the engine compartment, and down the side panels, increasing your air filter service intervals by up to 2 weeks
- The central lubrication system greases the machine while it is warm and moving, ensuring up to 74 grease zerks receive the correct amount of grease at the correct time
- When comparing the time required to perform daily routine maintenance, the LEXION combine requires less than half of the time required by competitors







25 mph  
transport speed

25 mph (40 km/h) ground speed for LEXION 6000 Series: reduces transit time on the road and gives you more time in the field.

35 inch wide  
TERRA TRAC

TERRA TRAC design with hydropneumatic suspension, ideal for carrying heavy loads and best-in-class ride and stability, especially in less-than-ideal crop conditions.

5.1 bu/sec  
grain tank unloading

With high-speed unloading rate of 5.1 bu/sec (180 l/sec) Paired with grain tank capacity of 385 bu (13,500 l) standard, 425 bu (15,000 l) optional..



# For those who know the window isn't getting any wider.

When it's time to run, your equipment and the support behind it need to be ready to go. We put the LEXION 6000 Series combine through more durability testing than ever before. Our On Your Farm Parts stocking program and in-field service support are designed to maximize your uptime, and our parts centers boast some of the best fill rates in the industry. Our focus on harvesting provides understanding and pays dividends for you, and has resulted in a 93 percent customer satisfaction rating for us.

## On Your Farm Parts.

Have the parts you need, right where you need them. The CLAAS On Your Farm Parts program allows you to customize a selection of parts to keep on your farm in order to keep your machine running. CLAAS is committed to supporting your parts needs.



## North American parts centers

The CLAAS of America Parts Logistics Centers in Columbus, Indiana, and Regina, Saskatchewan, provide world-class parts throughout North America for all CLAAS products. They provide the CLAAS dealer network with reliable, consistent parts availability and industry-leading responsiveness. Whatever it takes.



## LEXION 8000-6000 Series Combines



Extensive testing for your farm's demands

Over **6,000** hours

of durability testing

Over **8** years

of testing in the field

In **10** countries

in varied conditions and crop types



LEXION		6800	6800 TERRA TRAC
<b>Threshing system</b>			
APS SYNFLOW WALKER		●	●
Threshing drum width	in (mm)	67 (1700)	67 (1700)
Threshing drum diameter	in (mm)	30 (755)	30 (755)
<b>Secondary separation</b>			
Separator drum diameter	in (mm)	24 (600)	24 (600)
Synchronized adjustment of separator drum speed		●	●
Synchronized concave adjustment, separator drum		●	●
Straw walkers	No.	6	6
Straw walker length	ft (mm)	12.47 (3800)	12.47 (3800)
Total secondary separation area	in <sup>2</sup> (m <sup>2</sup> )	11,811 (7.62)	11,811 (7.62)
<b>JET STREAM cleaning system</b>			
JET STREAM		●	●
3D-cleaning system		●	●
<b>Grain tank</b>			
Capacity	bu (l)	385 / 425 (13,500 / 15,000)	385 / 425 (13,500 / 15,000)
Unloading rate	bu/s (l/s)	5.1 (180)	5.1 (180)
<b>Engine Stage V</b>			
Mercedes-Benz / OM 470 LA		●	●
Cylinders / displacement	No./l	6 / 10.7	6 / 10.7
Rated power	hp (kW)	402 (299)	402 (299)
Max power	hp (kW)	462 (340)	462 (340)
DYNAMIC POWER		●	●
Ground drive		Wheeled	TERRA TRAC
Transport speed	mph (km/h)	25 (40)	25 (40)
Differential lock		●	–
<b>Operator assistance systems</b>			
CEMOS CRUISE PILOT		○	○
CEMOS AUTOMATIC		○	○
CEMOS AUTO CROP FLOW		●	●
CEMOS AUTO SLOPE		○	○
CEMOS AUTO DIALOG		○	○
<b>Data management</b>			
TELEMATICS		●	●
Remote Service		●	●
Open steering interface prepared		●	●

● Standard ○ Option – Not available



CLAAS of America Inc.  
8401 South 132nd Street  
Omaha, NE 68138  
Phone +1 402 861-1000

**[claas.com](https://www.claas.com)**

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