

# S-Series Combines

Experience the future



## Experience the future of combines

Whatever the crop, whatever the conditions, John Deere has a combine to match. Our new line-up offers you all the quality and reliability you expect from John Deere – plus the advanced technologies and premium comfort you need to optimise your harvesting performance.

### **Harvesting half the world's grain and still growing**

100 years of experience in harvesting technology. Building twice as many combines than the closest competition worldwide and harvesting half the world's grain. That's how we define leadership in the harvesting business!

Choosing John Deere means teaming up with the most experienced and reliable partner in the industry. At John Deere we take great pride in our legacy of a century of harvesting competence.

What we are most proud of is our commitment to innovation and our relentless pursuit of meeting your needs. The result? With the introduction of our new range of S-Series combines we deliver the ultimate in small grain harvesting technology. Experience the future!





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## A hundred years of quality harvesting equipment

John Deere has been building harvesting equipment since 1911 – that’s thirty years longer than any other manufacturer. Just out of Harvester Works in Moline we have now produced more than 500,000 combines. In fact, more than half the world’s grain is harvested with a John Deere.

As a result, every component and every combine comes with a century of global experience built in. And because we spend more on research and development than any other manufacturer, our machines already offer the technology you’ll need to harvest productively and profitably in years to come.



“I will never put my name on a product that doesn’t have in it the best that is in me.” – John Deere

### Milestones

- 1911** John Deere starts building binders in East Moline (USA).
- 1916** Lanz acquires the Wery Implement Company in Zweibrücken (Germany).
- 1929** John Deere starts production of the 12A combine.
- 1951** John Deere introduces the industry’s first Quality Book – a set of rigorous guidelines that take design and build quality to a new level.
- 1992** John Deere’s legendary CTS is the first hybrid combine in the world.  
Other manufacturers follow ... but only after our patents expire.
- 2000** John Deere introduces STS technology.
- 2004** The first i-Series combines add brains to brawn.
- 2007** The new T-Series takes productivity to the next level.
- 2011** John Deere unveils the new combine line-up, featuring the W, T, and all-new S-Series.



Think global, act local: With seven manufacturing plants worldwide, John Deere produces machines that adapt our global experience to suit local requirements perfectly.

## The new S-Series. If you want maximum capacity, you need the new S-Series.

Beneath the sleek styling of the new S-Series, every component and every system is engineered for maximum uptime and productivity.

From the header to the unloading auger, we geared everything to match the uncompromising performance of the new Variable Stream Rotor – the most advanced threshing system on the market.

With the superb Premium Cab, powerful i-Solutions and fuss-free Stage III B engine emission compliance, the new S-Series will enable you to harvest more efficiently and comfortably than ever before.





## Meet the machine

Take a closer look and find out what makes the new S-Series so special.

### NEW transmission options

- PBST push-button electric shift transmission
- Exclusive ProDrive automatic transmission

See page 36, 37

### NEW Premium Cab

- Even more space and comfort
- Easy to use harvesting controls
- Advanced infotainment options

See page 10 – 15

### Most advanced threshing concept

The Variable Stream Rotor for

- Better straw quality
- Lower power consumption
- Lower fuel consumption
- Higher separator capacity

See page 24, 25

### NEW header line-up

- Full range for all crops and conditions
- Widths up to 10.5 metres
- Best-in-industry reliability

See page 16 – 21

### Biggest grain tank on the market

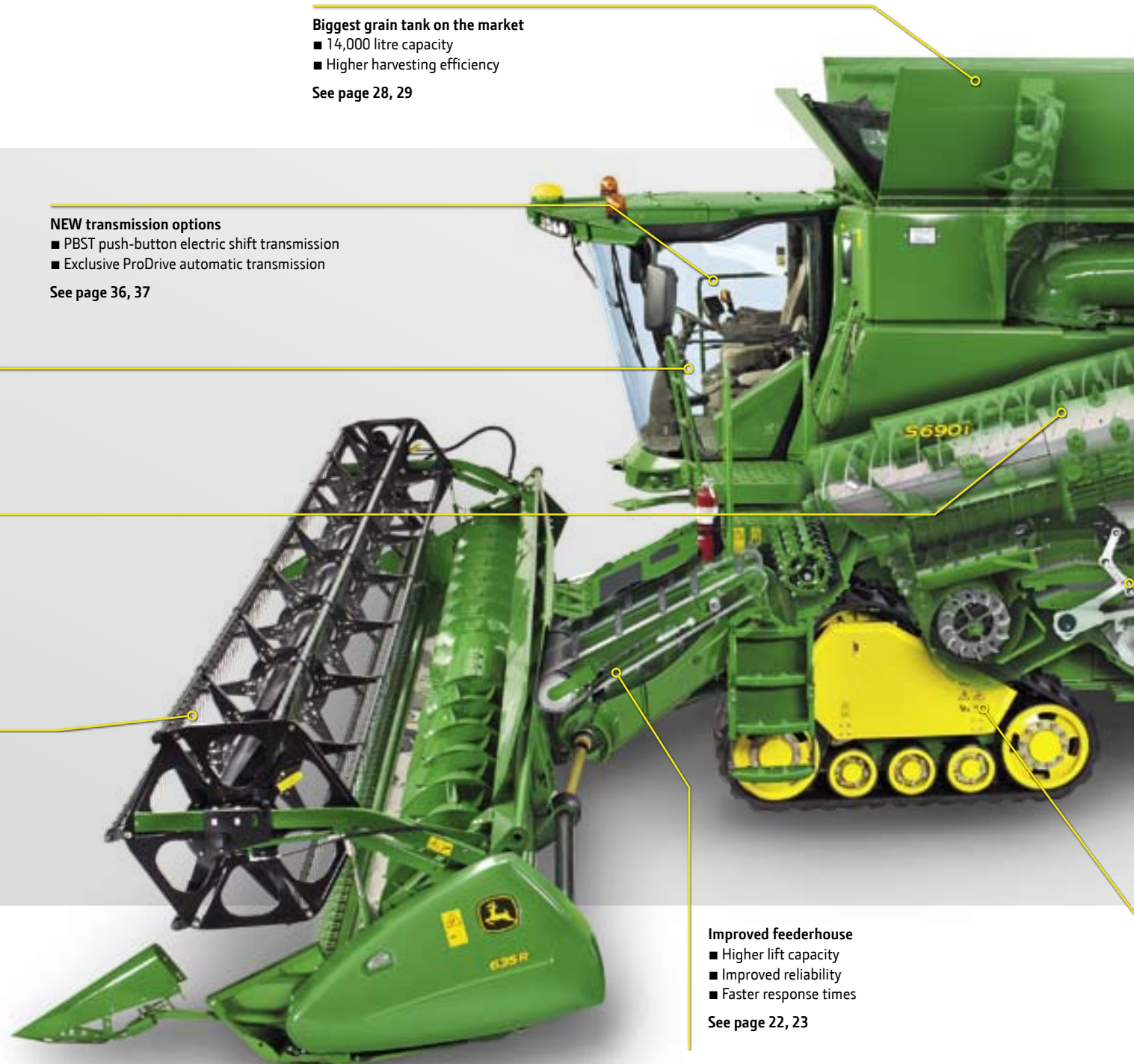
- 14,000 litre capacity
- Higher harvesting efficiency

See page 28, 29

### Improved feederhouse

- Higher lift capacity
- Improved reliability
- Faster response times

See page 22, 23





**NEW active tailings return system**

- Higher total machine capacity
- Easy to use and without compromise

See page 27

**Highest speed unloading**

- 134 l/sec unload rate – fills carts in seconds
- Folding auger for improved machine manoeuvrability

See page 28, 29

**III B efficiency**

- Simple “Diesel Only” solution
- Higher power levels

See page 34, 35

**Improved cleaning**

with the new S-Series cleaning shoe:

- 30% larger chaffer
- 19% larger sieve
- Reduces tailings / returns significantly

See page 26, 27

**Flexible residue management**

- Choice of two packages
- Wide range of options
- Improved cut quality
- Wider smoother spreading

See page 30 – 33

**NEW tracks**

- Reduced transport width
- Superb ride comfort
- Less compaction
- Lower tillage operation and costs

See page 40, 41

**Your benefits at a glance**

- Highest performance
- Excellent versatility in different crops, yield levels and harvesting conditions
- Superb material handling in all conditions
- Excellent grain and straw quality thanks to the Variable Stream Rotor
- Outstanding operator comfort

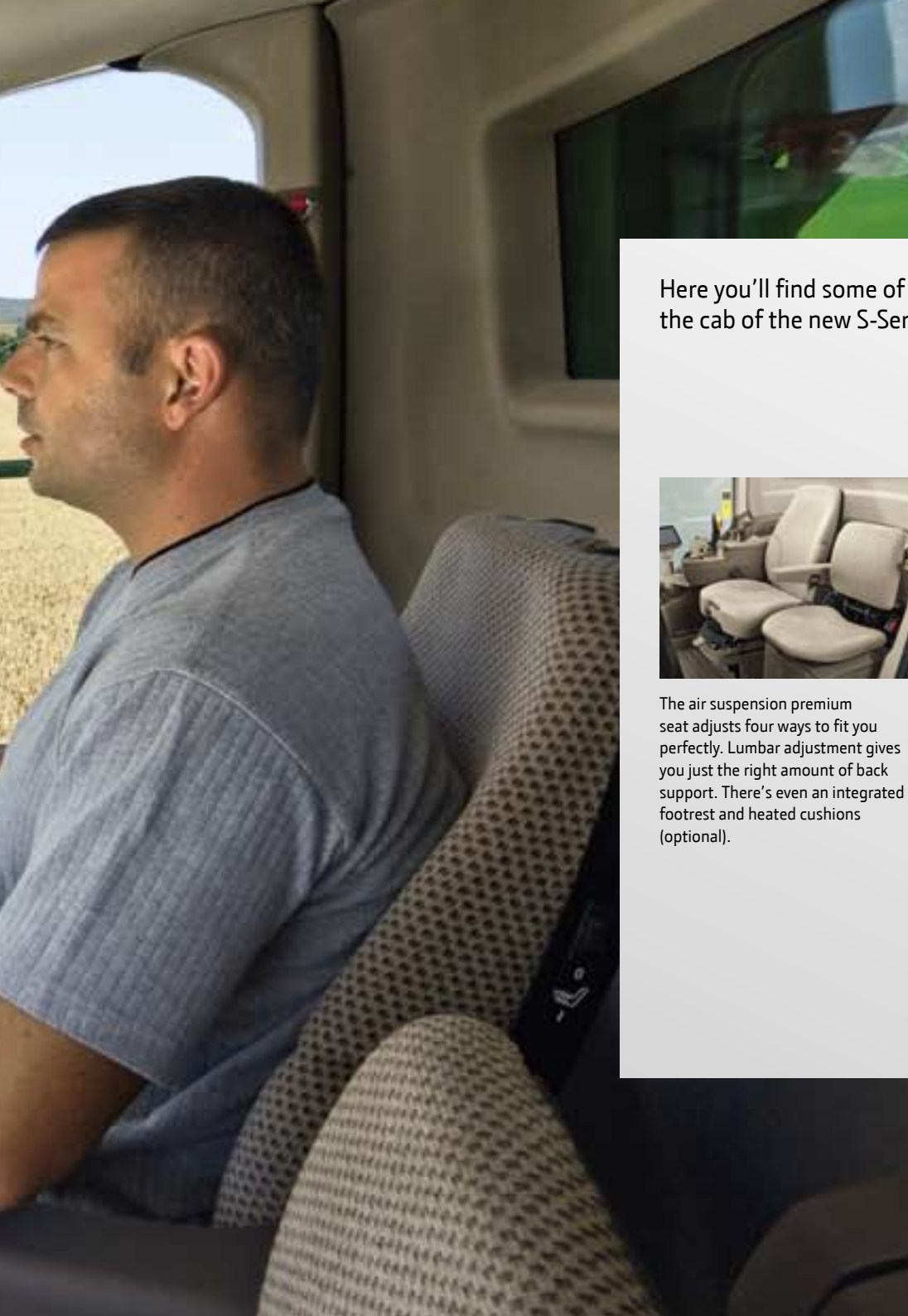
## Room with a view

The spacious new Premium Cab keeps operators alert, relaxed and productive – no matter how long the job takes or how tough the going gets.

The air suspension premium seat offers outstanding comfort all day long. All the controls are logical, ergonomic and easy to understand. The 'soft touch' switches make it easier than ever to fine-tune combine performance.

Visibility is excellent too. With tinted safety glass around the cab, you'll get a clear view to the front and sides of your machine. The optional external camera and in-cab monitor can be positioned on the rear of the combine, in the grain tank or on the unloading auger – providing excellent, customisable views.





Here you'll find some of the details that make the cab of the new S-Series so comfortable.



The air suspension premium seat adjusts four ways to fit you perfectly. Lumbar adjustment gives you just the right amount of back support. There's even an integrated footrest and heated cushions (optional).



The Premium radio pack provides full MP3 support and enhanced Bluetooth functionality – plus a remote radio interface and advanced features like Push-to-Talk and a fully synchronized phone book.



The robust coolbox stores two 1.5 litre bottles and a sizeable lunch.



The optional external camera and rear-view monitor give you eyes in the back of your head – great when you're unloading.

**Your benefits at a glance**

If you've ever used a John Deere tractor, sprayer or combine, you'll be ready to go in moments. S-Series combines use the same logical layout, same controls ... and the same great ergonomics. And the quality of our cab and controls are all what you have come to expect from John Deere.

## Feel right at home

A comfortable cab is an essential, not a luxury. So in addition to the open, spacious design and the air suspension seat, we gave the new S-Series a host of other features that make harvesting as stress-free and convenient as possible.

### **Slimline cornerpost**

See more of the fields outside. The new design provides an almost uninterrupted view to harvesting.



### **Auto fit-and-finish**

Rugged, durable materials and quality workmanship throughout.

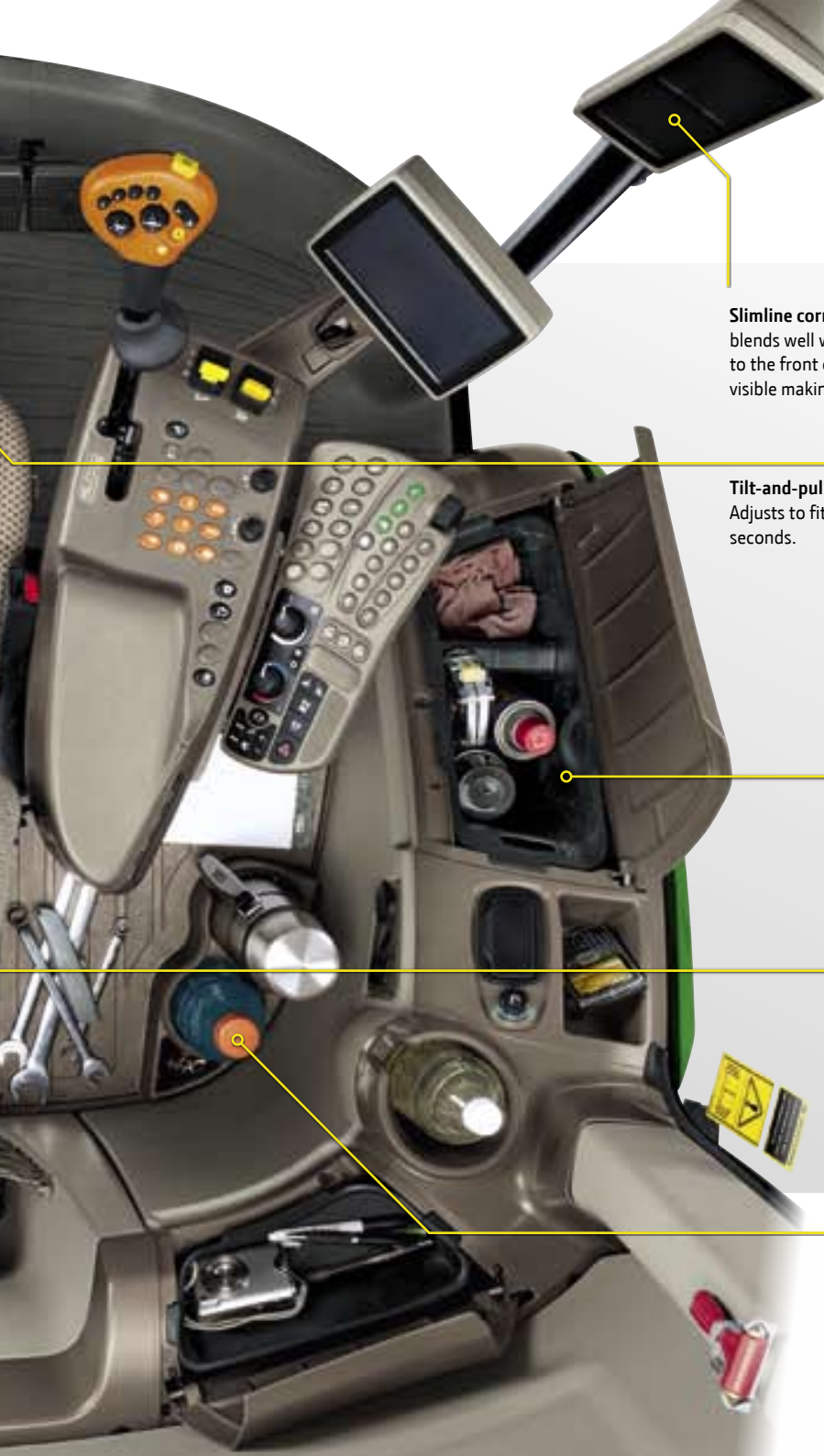
### **Roomy instructor seat**

Dedicated training seat flips up and converts to a field office with space for a laptop.

### **Ample storage**

Room to spare for all your paperwork and personal belongings.





**Slimline corner post display**

blends well with the narrow corner post which maintains excellent visibility to the front end equipment. The primary combine information is permanently visible making your life easier even if you are under stress.

**Tilt-and-pull steering column**

Adjusts to fit your operators in seconds.



**Storage compartment**

This handy compartment provides ample room to store two 1.5 litre bottles and your lunch.

**Comfortable air suspension seat**

4-way adjustable air suspension, including lumbar adjustment for just the right amount of back support. Keeps you relaxed and focused all day long.

**Twin cup holders**

Out of the way, but within easy reach.



**Plenty of power outlets**

Charge your phone, MP3 player and all your other devices while you work.



**Sunshades**

Together with the tinted safety glass we fit throughout, these generous sunshades prevent dazzle, fatigue and errors.



**A/C comfort**

The NEW air conditioning helps operators keep cool with 25% in capacity even when things get hot.

## Take command

With a CommandTouch armrest, a CommandCenter armrest display and digital corner post display, the S-Series provides effortless control over all operations.

### Master control lever

The master control lever fits your hand perfectly to give you remarkably smooth hydrostatic speed control. It also controls feederhouse raise/lower, reel raise/lower, reel fore/aft, return-to-cut mode, emergency stop and optional active stubble height and float pressure functions.

### Header resume switches

Button 1: return to preselected header height for long stubble crops.  
 Button 2: maintain a preset stubble height in standing cereals, for example, using ground contact of the mechanical sensors.  
 Button 3: maintain a preset header ground pressure for perfect contour following in laid crops.

### CommandArm console

The CommandArm console makes it easy and convenient to maximise productivity. Controls are intuitive to understand and fast to locate. All commonly used functions have hot keys facilitating intuitive, easy machine adjustment.

- Hot keys for common harvesting adjustments, transmission and HillMaster controls
- Air conditioning controls
- Radio controls
- Light controls



### Digital corner post display

The clearly arranged corner post displays are easy to read and give you complete information on your combine's performance.

This crystal clear display provides a quick overview of all primary machine information such as forward speed, engine rpm, losses and warnings. All this information is displayed permanently avoiding confusion or the need to navigate multiple menus. One addition is the new power meter which shows the percent of available power used. This information is required to continually maximise the performance of your machine.



### GreenStar 3 CommandCenter display

The GreenStar 3 CommandCenter display puts vital machine and crop information within easy reach, making it simple to make quick adjustments to critical controls. Moreover, it supports AMS features such as AutoTrac. From one panel, you get quick access to:

- Combine setup
- Remote shoe adjust
- ACA (automatic combine adjust)
- HarvestMonitor
- HarvestSmart (automatic feedrate control)
- AutoTrac
- AutoTrac RowSense
- Warning alarms
- Calibration "wizards"
- On-board diagnostics
- Set-point adjust



### GreenStar 3 CommandCenter Touch display

Like the GreenStar 3 CommandCenter, the advanced touch screen version provides video functionality. With an added video camera, the screen is automatically triggered to display the reversing camera for example. The video function also lets you monitor sensitive areas like unloading without the need for additional monitors.



### GreenStar 2630 display

The GreenStar 2630 display provides state-of-the-art performance and unparalleled ease of use. This all-new monitor features a 26 cm colour touch screen. It can run all i-solutions you need to make your operation more productive – e.g. documentation features. Further highlights include a USB port for data transfer and video functionality.

## Full range of headers



Whatever the crop, whatever the conditions, John Deere has a quality header to match.



### 600PF

**Premium features, maximum versatility:**

- Fastest crop-to-crop change on the market
- Conveyor belt lets you harvest where others cannot
- Hydraulic pump adjusts auger height in seconds with no tools



### 600R

**Uncompromising performance in all crops and conditions**

- Heavy duty drives
- See page 18 for details





### Extension

#### RapsProfi II

Looking for the highest performance and lowest losses in rape then choose the RapsProfi II extension which can reduce crop loss in rape seed by up to 30 kg per hectare.

- Mechanical side knives – no connections to your combine's electrics and hydraulics
- For cut widths up to 9.15 m
- Mounts/dismounts in minutes; no tools required.



### 600F

#### Superb performance in low crops:

- HydraFlex hydraulic float system
- Premium contour following
- Exceptional cutterbar flexibility at all pressures

Not available in UK



### 615P

#### Ideal for windrow harvesting in wetter climates:

- FieldGlide air suspension system
- Dual-belt design for low losses
- High throughput in windrows

Not available in UK



### 600C

#### Premium performance in corn

- Heavy duty drives
  - Easy to switch stalk rolls
- See page 20 for details

Not available in UK



### 600D

#### Ideal for wheat, barley and oats at medium yields:

- Work fast even in low crops
- Minimum cutting height 3.5 cm
- Windrowing capacity for wet crop or pick-up harvesting

Not available in UK



### 900D

#### The affordable solution for wheat and barley in medium straw yielding conditions:

- Proven performance at a budget price
- Optimised crop flow for faster harvesting
- Excellent ROI

Not available in UK

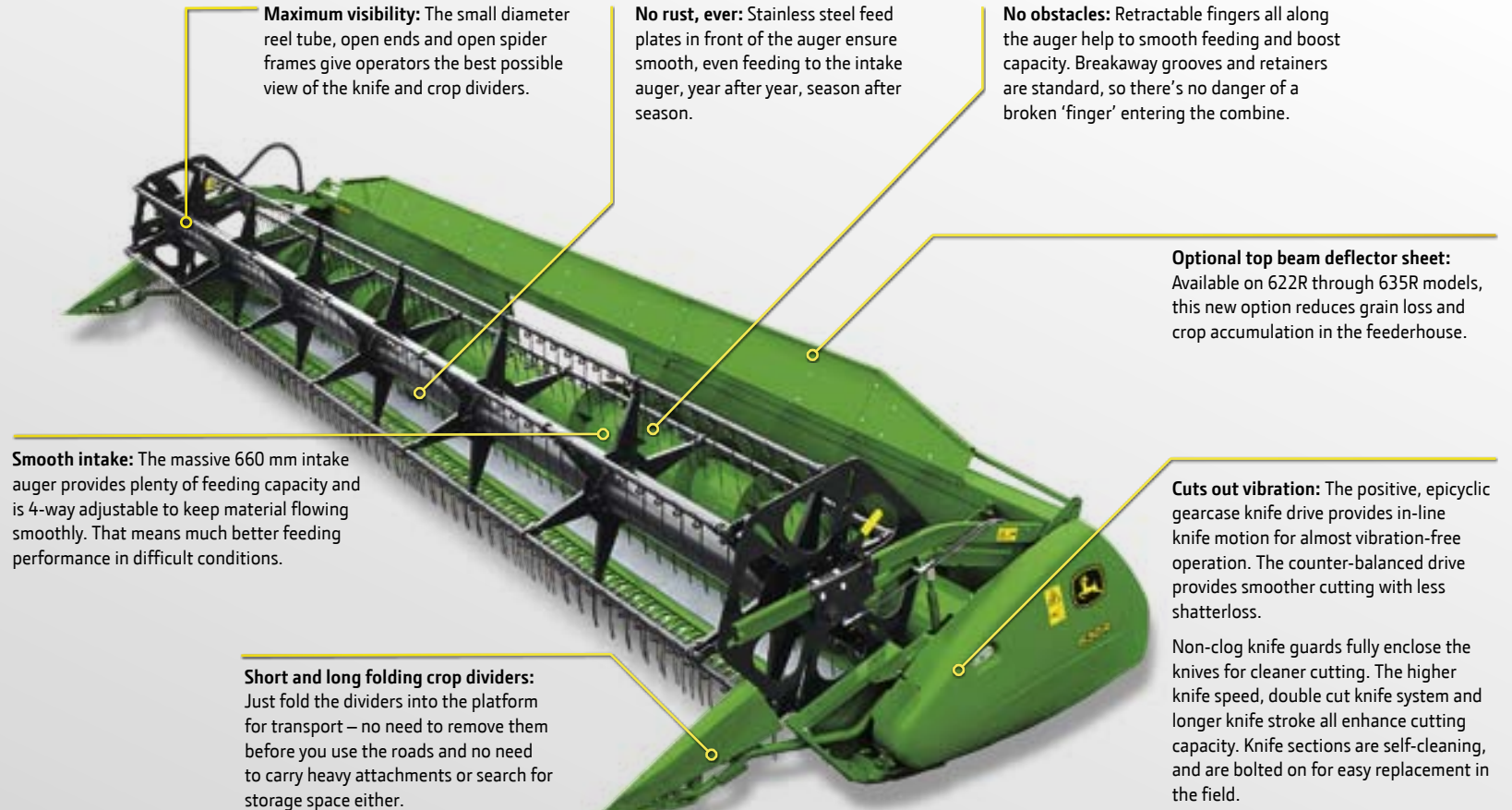
## Maximise your harvest potential with a 600R Series Platform

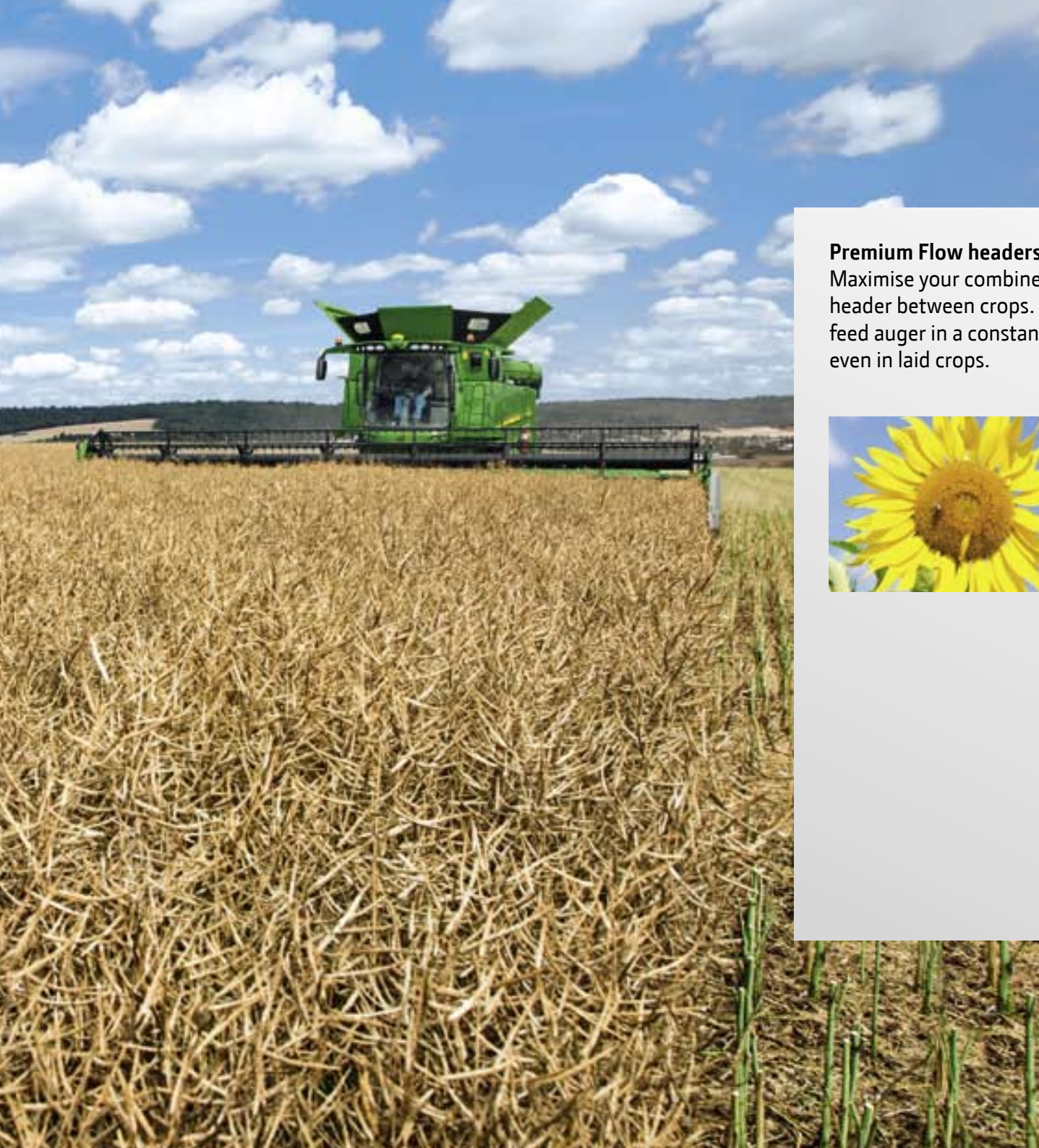
John Deere 600R Series Platforms deliver lower, faster cutting that you can easily adjust to suit your conditions.

Available in widths from 4.30 to 10.7 metres, these platforms use stainless steel feed plates to help keep crop sliding smoothly into the 4-way adjustable auger. To ensure a clean cut with less shatter loss, we fit a counter-balanced, epicyclic knife drive that practically eliminates vibration.

### Set up in seconds

All 600R Platforms offer single-point attachment of electrical and hydraulic lines and latch pin engagement. No daily maintenance is required.





### Premium Flow headers

Maximise your combine's harvesting ability – without having to convert the header between crops. Material is actively transported from the cutterbar to the feed auger in a constant flow. This boosts your combine's output significantly – even in laid crops.



#### Sunflower attachment

Sunflowers have fragile stems and the heads often fall to the ground before they enter the machine. This easy to fit solution uses sheet metal covers on the reel to prevent spiking of the heads.

#### Header trailers

Transport your headers safely with these sturdy 'vario' trailers that allow quick and simple rape extension attachment. Features include solid centre frames and support wheels and heavy duty axles and tyres.

#### RapsProfi II

Rape seed can be challenging to harvest: the stems are interwoven and the pods burst when they hit the cutterbar. This extension cuts losses by up to 30 kg per hectare, so it pays for itself in no time. Fits easily, no tools required.

## 600C corn heads: High speed harvesting

Higher yields and hybrids with tougher stalks are a real challenge at harvest. That's why we build our 600C corn heads for reliability and strength.

All components are robust enough to harvest even the toughest, thickest crop effortlessly. The fluted knife rolls have an opposing blade design for aggressive cutting and crimping.

The high performance gathering chains, auger and trough make sure every kernel makes it inside the combine. The bottom line? Fewer tossed ears, less ear shelling and less free grain in the trough.

Not available in UK.





**Optional CommandTouch Multi-Speed Feederhouse Drive System** delivers higher capacity feeding in the heaviest yielding corn. A reliable PowerShift transmission provides up to 42% more torque capacity and enables operation of the corn head in five speed ranges. Adjust the speed of your corn head easily from the cab by pressing one button on the multi function lever.



#### **Gentle geometry**

The special design of the stalk rolls ensures optimal material transport. Stalks are drawn through more gently and then chopped finely and consistently by the StalkMaster chopper.



#### **Smooth supply**

The special construction transports material gently and smoothly, providing the basis for high threshing performance.



#### **Harvesting performance**

The design of the auger and trough allow smoother, more complete feeding, for a robust harvesting performance.



#### **Road-ready in seconds**

This convenient folding mechanism doesn't waste a second between jobs. Choose either a 6-row or 8-row folding version – or a 12-row non-folding version if you prefer.

#### **Your benefits at a glance**

- Tremendous material handling
- Decreased cob loss
- Improved residue processing
- Better overall harvesting performance

## Feed me!

However tough or green your crop may be, this heavy duty feederhouse converts it into an even mat that feeds the separator perfectly.

To keep crop flowing smoothly, we fit a rugged conveyor that rotates on a large, floating front drum. A 5-speed feederhouse drive with a high-torque slip clutch and a 135 hp reverser that removes even the toughest plugs effortlessly.

Thanks to our unique 'straight through' design, the feeding, threshing and separating components are all the same width. That way, the crop mat doesn't have to change shape or direction.





**High capacity feederhouse for S-Series**

A proven productivity boost for your John Deere combine.



**5 Speed Feederhouse Drive**

The durable high-torque slip clutch ensures peak performance and a long lifecycle.



**Visibly better**

The long feederhouse design gives operators a full view of the header and its height-of-cut without having to lean forward. They can also see the stubble height behind the header.



**Feederhouse reverser**

The mighty 135 hp reverser makes light work of stubborn plugs.



**Single-lever multi-coupler**

Hooking up headers doesn't get any easier than this.



**Easy adjustments**

The front plate can be adjusted fore and aft to compensate for different tyre sizes, crops and conditions. This ensures optimal transition from the header at all times.

**Your benefits at a glance**

- Tough components withstand green, high-yield crops
- Design supports smooth crop flow into separator
- Long feederhouse for a shallow angle of cut and a thin, uniform crop mat

## Top capacity. Top quality. The new Variable Stream rotor.

The new S-Series gives you the best of both worlds: proven single-tine separation, plus a new high performance rotor that's designed specifically for high yielding crops and conditions.

### Higher capacity

The larger, more tapered front cone boosts capacity significantly with an increased area to handle crop. Together with the tapered rear discharge, it also improves the quality of straw. And because it reduces rotor load and power consumption, it saves on fuel too.

### Gentler threshing

With more space around the rotor, the threshing unit now lets you thresh more gently – perfect for high yielding crop conditions.



#### A TriStream rotor

- Tapered front cone
- Bolted elements and separator tines
- High performance rear discharge beater



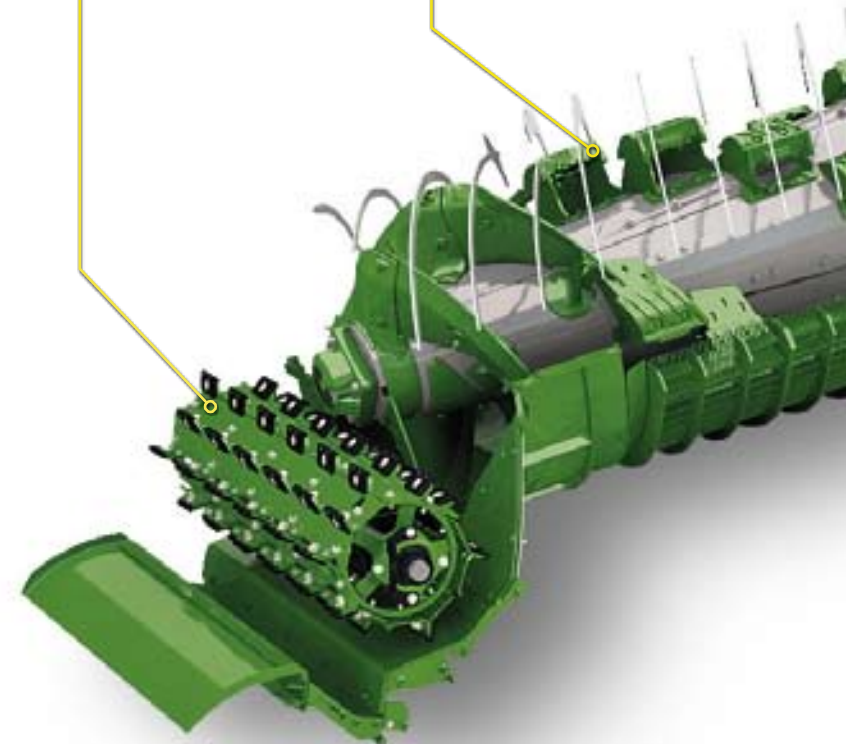
#### The new Variable Stream rotor

- Larger, more tapered front cone
- Element / tine bases welded to skin
- Single bolt attach element caps and tine inserts
- New tapered rear cone with discharge flights
- High performance rear discharge beater

Std in UK

Crop flows into the threshing section from the feed accelerator. 'Rifling grooves' on the threshing elements draw the crop material forward more smoothly, allowing the rotor to deliver better threshing performance.

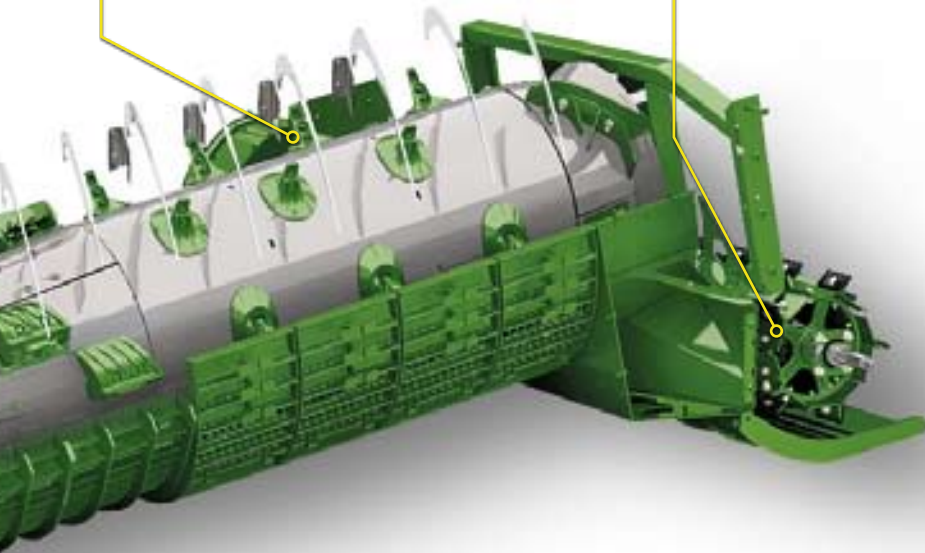
Heavy duty vanes propel crop from the threshing section to the separating section. The elliptical design uses a pull-and-release principle for better performance in high moisture crop conditions.





Electrically adjustable top cover vanes allow you to optimise the separator for the best straw quality or the best separating performance from the cab. If you are operating in high, brittle or in very green conditions, you will always run the machine at its highest performance, even in frequently changing conditions.

Crop material is swept away by the tapered rear discharge. A longer discharge grate under the beater sends every last grain to the tank. Vanes on the discharge housing spread material for a more uniform flow to the chopper.



**S-Series tri-stream crop flow delivers more uniform crop flow**  
 The front of the module is composed of three feed sections. In front of the rotor the feed accelerator prepares the crop flow as the module spins, material is delivered by the feed accelerator and the tri-stream feeding process around the whole circumference of the rotor. This provides smoother, more uniform material flow, especially in high moisture, high yielding crops and green conditions.



**Switch concaves for more versatility**

The new S-Series gives you the versatility you need to harvest profitably and efficiently. Choose one of three concave options:

1. Standard small / small / large wire configuration for small grain crops.
2. Round bar concaves for maize.
3. Full large wire configurations for beans and other large-grain crops.

**Easier than you think**

Switching concaves is surprisingly simple. Once you're finished, just pull the lever of the dual-speed rotor gearbox and then select the right speed for your next crop. Done!

**Your benefits at a glance**

- Proven single-tine separation
- Designed specifically for high yielding crops and conditions
- Outstanding capacity
- Gentle threshing

## High capacity cleaning with easy in-cab adjustment

The S-Series cleaning system is the perfect match for the outstanding threshing and separation capacity of the new S-Series combine.

The new shoe has a large one-piece chaffer and a larger sieve. This extended design makes it much easier to set your combine for performance. Tailings are lower too.

You can adjust the sieve settings electronically in moments from the comfort of your cab. That said, our chaffer needs fewer adjustments anyway, even on slopes. It has the fastest speeds and the longest stroke on the market.

### **A significant boost in capacity**

The all NEW S-Series cleaning shoe is a significant boost in performance over the previous design. This is due to the extended sieve and NEW sieve nose that directs the air from the fan. The new design provides X% more capacity than our current S690 and comes standard on all S-Series models. That's big combine capacity ensuring you'll never need to worry about cleaning performance.



### Higher capacity, gentler threshing: Our new Active tailings return system.

If you run a large combine and work to full capacity, our active tailings return system is a must. By handling returns that would normally go back to the separator (and take separator performance), it increases the total capacity of your machine.

Better still, it is so easy to adjust. Our active tailings return uses less aggressive concave settings than the ones in your separator – and handles sensitive crops gently maintaining our reputation for super high grain quality.



### Uniform distribution

Four conveyor augers move material onto the shoe steadily and evenly, even on hillsides or when going up or down hills.

### Improved fan performance

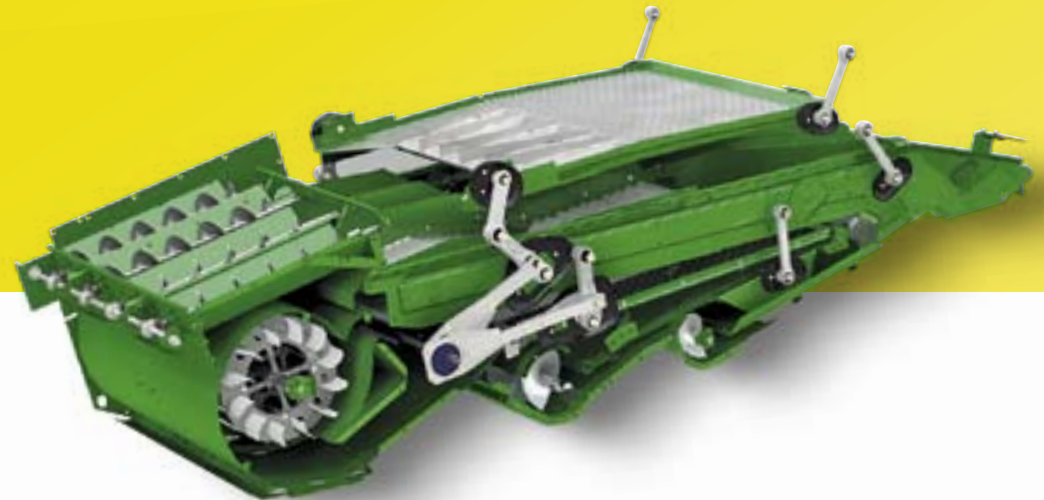
The fan ensures peak performance and a clean grain sample. A steep pressure curve delivers high pressure with less volume loss. About 30% of the air goes to the front chaffer at high speed; the rest goes to the rear chaffer and sieve.

### 2-stage pre-cleaning

The fixed front chaffer helps thin the crop mat; the raised front chaffer pre-cleans up to 40% of the grain before it reaches the rear chaffer.

### Extended design for more capacity

The huge rear chaffer and bigger sieve are specially designed to handle the threshing and separating performance of the new S-Series.



## The grain handling is outstanding

The new S-Series lets you go longer without unloading – and finish faster when you do.

### **Largest grain tank in the industry**

The massive 14,100 litre hydraulic power folding grain tank gives you the capacity you need in high yielding crops.

### **Fast delivery**

Fill trailers in seconds: with an impressive unload rate of 135 l/sec, 105 seconds is all it takes to empty a full tank.

### **Better handling**

The fold away auger makes it easier to manoeuvre and store your combine.





Take a closer look into some detailed features that make the unloading so much easier.



**Fold away unloading auger** improves manoeuvrability and makes your combine more compact for storage. The auger unfolds at the touch of a button from your in-cab armrest control panel.



**NEW grain tank covers** open and close with just one touch. They are faster than before and make servicing easier too.



**Cross auger cover design** for faster, simpler crop changeovers. Just pull the pin to raise or lower. No tools required.



**Optional auger mounted camera**  
See inside the highest trailers!  
The camera on the unloading auger sends clear pictures of unloading and also of the area behind the combine to your in-cab display.

**Your benefits  
at a glance**

Unloading is probably the most stressful part of the entire harvesting process. With the new S-Series, you'll unload faster and less frequently than ever before.

## Residue management: Flexibility meets quality

Need to chop and spread straw? The new S-Series gives you the flexibility you need for higher quality – and higher returns – in no-till and low-till operations.

### **New chopper rotor and knives**

The new chopper rotor ensures an even better cut, while the new winged chopper knives provide smooth spreading at widths of up to 9 m. Want more? Our Advanced PowerCast option spreads wider still – even in strong cross winds.

### **In-cab control**

Adjust wind compensation settings or switch from chop to drop, from the convenience of your cab. Flexibility has never been more comfortable!

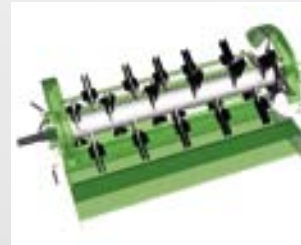


Our powerful residue management options make it easy to create the ideal system for your operation. For high-end performance and flexibility, see the Premium options on the next page too!



**Straw spreader**

Spreads straw up to 10 metres. Ideal when harvesting rice or for any other operation that requires no chopper.



**Fine Cut straw chopper**

This 44 winged-knife chopper spreads straw evenly across header widths of up to 9 metres. Chaff is sent straight to the straw chopper.



**Electronic vane tailboard**

This is ideal on slopes and in strong winds but also improves distribution under normal conditions at widths up to 9 metres. You can set and adjust all compensation settings on-the-go, using the display in your cab.



**PowerCast**

This powerful spreader provides excellent distribution at widths beyond 9 m.

Not available in UK

**Your benefits at a glance**

- Flexible options to suit your operation
- Wide, uniform coverage of finely chopped residue
- Ideal for no-till and low-till programmes

## Premium residue management

**Chop or drop ...** For the ultimate in flexibility and comfort, choose a John Deere premium residue management system. That way, you can either drop straw and spread chaff or chop straw and spread all material, easily and effectively, even at header widths above 9 metres. And even in strong cross winds.

**... but never stop.**

Better still, you can switch from chop to drop (and back) without leaving your seat and without even stopping your combine. All from the CommandCenter display in your cab.

Base equipment in UK







The overshot beater is ideal when you want straw without chaff (for example, as bedding for livestock). Straw and chaff are separated at the rear of the combine; the straw can be dropped in a windrow, while chaff is routed through the chopper, then distributed over the full header width by the vane tailboard, PowerCast or Advanced PowerCast system.



**Advanced Power Cast**  
Even in the strongest of crosswinds, this unit provides excellent spreading at widths above 12 metres. You can adjust wind compensation settings on-the-go from the CommandCenter in your cab.



**Premium straw chopper**  
This high performance chopper has 100 grooved knives in four rows, against 57 stationary knives producing the ultimate in fine cut straw.



**Chop mode**  
This chops chaff and straw together, so mixtures are extremely consistent and are very evenly spread.



**Drop mode**  
The tailboard or spreader blows chaff out to the sides. This ensures even distribution and lightens the load on the straw chopper.

**Your benefits at a glance**

- In-cab drop or chop selection
- Smooth spreading even above 12 metres
- Consistent, even distribution

## PowerTech PSX: Power for your harvest

The new S-Series is powered by the finest engine we've ever built: a 6-cylinder John Deere PowerTech PSX with dual turbochargers. The S670 model has a 9 l version that delivers 317 kW (425 hp/431 PS). Bigger models use the 13 l version with up to 460 kW (617 hp/626 PS)\*.

### Horsepower you can depend on

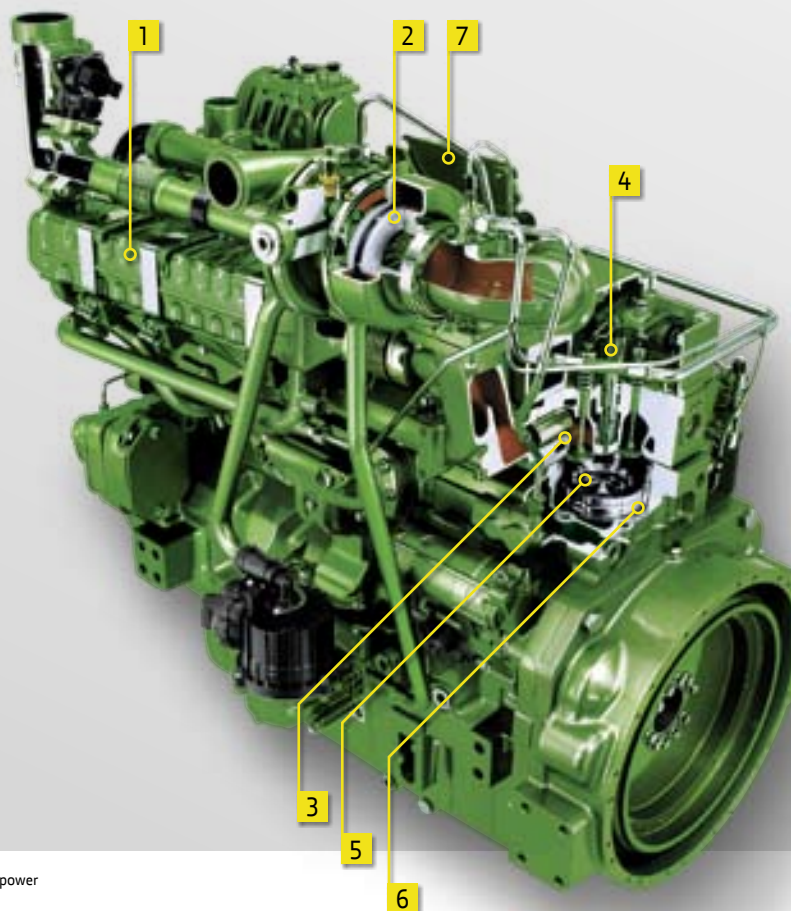
The secret to this impressive power lies in the dual turbochargers (1 fixed, 1 variable geometry) and the high pressure common rail system. The high capacity cleaning system and air-to-air after cooling also improve engine performance. This is a tough workhorse that won't let you down!

### Stage III B made simple

The new PowerTech PSX is so advanced, it meets emission Stage III B regulations all by itself. It does not require any Urea (AdBlue). All you need is diesel.

#### Your benefits at a glance

- No need for Urea (AdBlue), only Diesel is required
- John Deere Extra Power when the going gets tough
- Power boost during unloading for full harvesting performance
- Simple efficient drivelines



\*Max engine power

**1** EGR cools and mixes measured amounts of cooled exhaust gas with incoming fresh air to lower peak combustion temperatures, thereby reducing NOx.

**2** The series turbochargers deliver more boost pressure which increases the performance.

**3** 4-valve cylinder head provides excellent airflow resulting in greater low-speed torque and better transient response time.

**4** HPCR fuel systems provide variable CommonRail pressure, multiple injections and higher injection pressure with 2000 bar.

**5** Low-friction, single-piece steel piston improves fuel economy, reduces emissions, and increases durability.

**6** Directed top liner cooling contributes to improved oil control and increased durability.

**7** John Deere electronic engine controls: faster engine control unit (ECU) manages both, engine and exhaust filter.

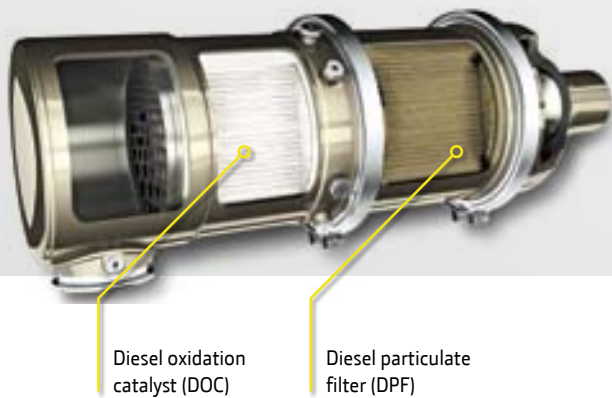
# GreenSimplicity

No need for Urea (AdBlue). The new PowerTech PSX is so advanced it meets current and future emissions regulations all by itself. All you need is Diesel.



With the aid of DOC + DPF filtering techniques, even the smallest particles can be removed. Here's how it works:

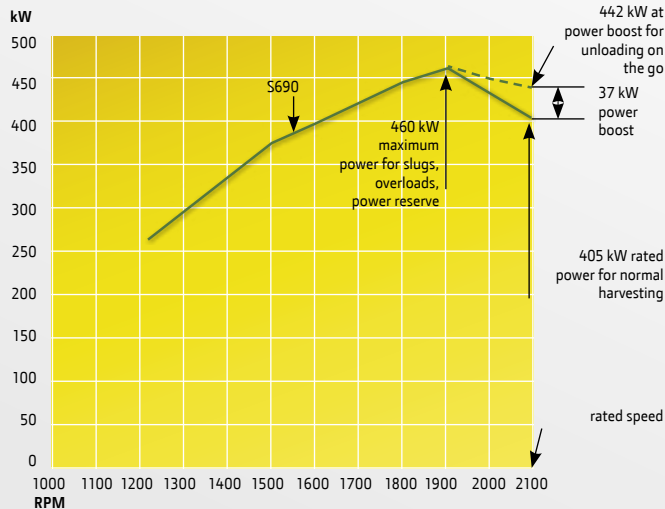
- The DOC reacts with exhaust gases to reduce carbon monoxide, hydrocarbons and some particulate matter.
- The DPF traps and holds the remaining particulate matter.
- The DPF oxidizes the trapped particulate matter, using heat from the exhaust filter. This continuous cleaning process takes place under normal operating conditions.



## John Deere Extra Power

Engine power increases as the engine speed is pulled down by the crop harvesting load. This famous John Deere Extra Power makes it much easier to harvest on-the-limit when the going gets tough without fear of stalling. Plus an additional horsepower boost is available above rated power during grain tank unloading for continuous harvesting performance. A John Deere exclusive!

PowerTech PSX (13.5 l) power curve



## Simple, efficient drivelines

You won't find a more direct driveline than the one on the new S-Series. From the massive engine gearcase to the rugged driveshaft transmission, every component is built for strength, simplicity and efficiency.

Maintenance is easy too. The onboard diagnostics system finds faults fast. You can inspect or exchange parts from either side of your combine. And all modular components have colour-coded connectors to prevent errors.



## The right transmission for your business

For peak harvesting efficiency in all ground conditions, choose ProDrive for your new S-Series combine. This unique automatic shift system provides precise speed control, even in hilly terrain and rough harvesting conditions. No need to constantly monitor and adjust the hydrostatic control handle. Also, no more stopping to shift gears during harvesting.

If you work in flat terrain only, the manual PBST (Push Button Shift Transmission) option is a highly affordable alternative. This electronic transmission provides 3 speeds at the touch of a button.





## ProDrive: Automatic efficiency

### Seamless shifting

Why waste valuable time shifting on hills or when leaving a field? When ground conditions change, ProDrive lets you shift smoothly between speed ranges at the push of a button to keep harvesting at the speed you want.

### Speed selection

Set one speed for normal harvesting, the other for faster field work or transport. Then select any speed in either range by using the hydrostatic control handle on your CommandArm console.

### Power to spare

ProDrive makes light work of tough conditions. It delivers up to 64% more torque at a harvesting speed of 8 km/h.



## Push Button Shift Transmission

### Shifting made easy

Our all new three speed Push Button Shift Transmission makes shifting easy. Simply bring your machine to a standstill, select the gear you need by pressing one of three buttons on the arm rest and let the combine do the rest. Our Push button Shift Transmission applies the hand brake automatically to ensure seamless shifting

### Comfort and control

Our all-new Push Button Shift Transmission makes operation easier with features like the automatic park brake. As soon as you pull the hydro level to the neutral position the park brake is applied giving more comfort and control and helping you through those long working days.

## HillMaster: Harvest at your best level

HillMaster compensates for a 5% slope by oscillating the entire combine body automatically as you drive.

Since the grain tank stays level, you can fill it right up and save on unloading stops. The improved side-to-side weight distribution gives you more traction and stability. And the level cab helps operators stay fresh and focused all day long.

### Your benefit at a glance

Hilly terrain is hard on operators – and when grain slides to one side of the cleaning area, it can cause performance loss too. HillMaster solves both problems at a stroke. Plus, our S690, available with HillMaster, provides the largest full body levelling combine available.





High flotation tyres reduce soil compaction by increasing your combine's footprint without increasing its width. That way, you always get the best results within the transport width you require.



**Maximum width 3.5 m**

The new Continental 680/85 R32 provides an 8% bigger footprint than an 800/65 R32, yet keeps your combine's width below 3.5 m, just like a 650/75 R32.



**Maximum width 3.8 m**

The 800/70 R32 and 800/75 R32 are the same width as an 800/65 R32, but higher in the carcass (70 resp. 75% of the width).

Thanks to their outstanding load index, you can run at very low air pressures. This in turn increases your footprint and traction – distributing the load evenly, reducing ground compaction.

These high performance tyres offer reduced ground pressure that reduce total input costs and help you get difficult harvesting jobs finished sooner. High flotation tyres reduce the risk of soil damage and loss of structure due to compaction and help avoid the frequency of primary tillage required.

We offer a range of tyres to meet your needs. Below are two examples of our new tyre offerings. Ask your dealer today for more details.

## John Deere tracks: Extending harvesting windows

### The John Deere tracks give you several advantages:

In the field the John Deere tracks improve flotation and minimise soil compaction by spreading the load over a greater contact area. Load peaks are eliminated by the unique hydro-pneumatic suspension system. The combine's efficiency is increased through ultimate traction and best machine stability. This allows higher infield working speeds and better contour following of your front end equipment.

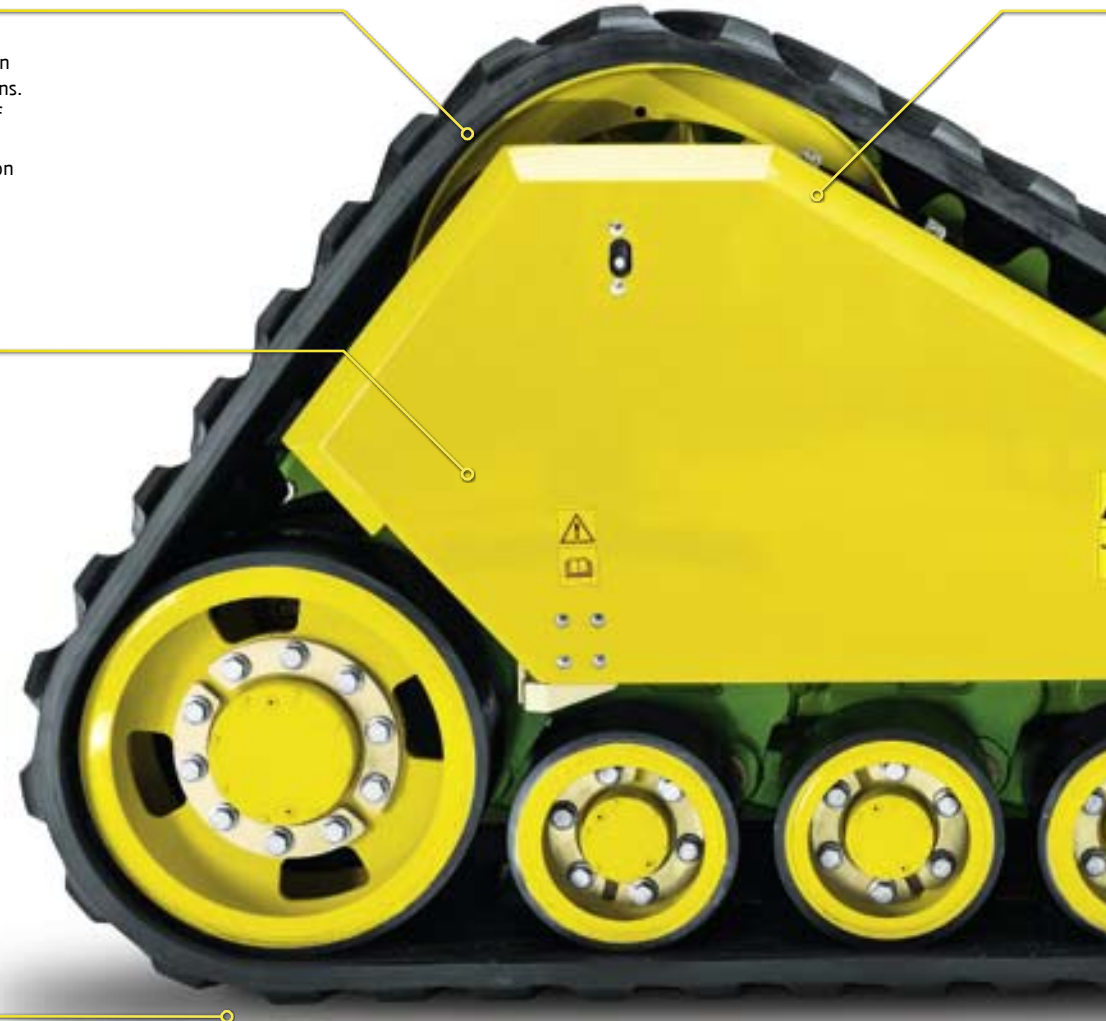
During road transport the machine gets to the next field easily. The 3.5 m total machine width helps to meet road regulations. Unproductive transportation times are reduced to a minimum since the machine can be run at full speed.

In all, John Deere tracks help you to get more harvested in less time. This is the efficiency you need in harvesting business.

Our Camoplast belt with optimised tread pattern allows the best traction even in challenging ground conditions. The advanced vulcanizing process of the lugs ensures long lifetime and riding comfort even at high speeds on the road.

Hydro-Pneumatic suspension helps increase ride comfort by cushioning dynamic loads which appear, for instance, at high road speeds.

1.18 m<sup>2</sup> of contact area per side allows you to keep harvesting in wet conditions even when wheeled machines have to stay in the shed.





John Deere tracks feature positive drive which has two main benefits over friction drive: Best traction is ensured even in muddy and wet conditions when friction drives reach their limit. Plus, our positive drive allows lower belt tension to increase ride comfort and belt life.



The rollers and the central carriage are suspended independently to allow an even load distribution over the entire contact area. Load peeks are reduced significantly.

The John Deere tracks grant unlimited mobility in the field and on the road. They will help you to further increase the efficiency of your S-Series combine. The greatest benefits are:

- Extended harvesting windows in tough ground conditions
- Reduced tillage cost and sustainable yields
- Higher comfort in-field due to ultimate contour following
- Increased productivity through improved total machine stability
- High road speeds made easier due to higher direction stability of tracks over large volume tyres
- Excellent traction and minimum slippage increase machine efficiency
- Narrower machine configurations to meet road transportation needs
- Increased permissible axle loads to meet ever more demanding road permissions



#### **Mobility in field and on road**

The track unit allows you to harvest whatever the ground conditions are. And moving the machine from one field to another is quick and easy due to high transport speed and narrow machine width.

#### **Ride comfort**

All track machines come with ProDrive as standard. The combination of John Deere tracks and ProDrive provide the operator with the ultimate productivity tool. When the going gets tough ProDrive's integrated diff-lock gets you out of trouble while ProDrive's customizable speed ranges make precise machine control easy.

#### **Reduced seasonal cost**

Justifying the cost of tracks has never been easier. The need for deep tillage is reduced which gives you some obvious savings. However, the real savings come when you consider the value of being able harvest when other combines are stood in the shed. Talk to your John Deere dealer today for more information and advice on the right choice for your operation.

#### **Your benefits at a glance**

- Best flotation
- Highest ride comfort
- Low machine width and increased permissible axle load
- Higher machine productivity
- Increased seasonal utilisation

## Profit from JDLink telematics

Our advanced, web-based telematics solutions give fleet managers real-time answers to the challenges that matter most.

- Machine location – which fields are my machines in and where exactly?
- Location tracking – where and in which fields have my machines been running and what did they harvest so far?
- Geofencing – how can I protect machines against misuse or theft?
- Maintenance planning – when's the next maintenance due and what's the best way to manage it?
- Fuel consumption – how much fuel are my operators using for different operations?
- Machine hours – how long was my machine running at customer A?
- Harvest performance – how can I monitor and optimise the productivity of my harvesting fleet?
- Operator training – do my operators need more instruction?



## Which pack suits you better?



### JDLink Ultimate

This advanced solution is for real fleet managers. But it's not only a professional management tool; you can also make sure that your machines are protected from theft and misuse and the diagnostic capabilities keep your machines harvesting.

| Choose:              | Ultimate | Harvest Module |
|----------------------|----------|----------------|
| Machine location     | X        | X              |
| Location tracking    | X        | X              |
| Geofencing           | X        | X              |
| Maintenance planning | X        | X              |
| Fuel consumption     | X        | X              |
| Machine hours        | X        | X              |
| Operator Training    | X        | X              |
| Harvest Performance  | –        | X              |
| Combine settings     | –        | X              |

### JDLink Harvest Module

This premium package allows fleet managers to increase efficiency and productivity of their machines. By combining machine and crop data, JDLink Harvest Module gives you access to machine settings, yield, throughput and much more besides. You can compare different machines and get detailed productivity reports. Moreover JDLink Harvest Module supports alerts to your mobile device so you know if machines are standing in the field waiting for grain trailers or fuel. It is the first real time management system designed for customers not just at the desk but for managers who are on the move during harvest monitoring their total operation.



### ServiceAdvisor Remote

But there is another feature common to the full range of JDLink packages and that's Service Advisor Remote. With your agreement your dealer is able to remotely access your machines from his dealership location. So if you have a failure he can access trouble codes and details about your machine. He can even make software updates and diagnostics all from his dealership ensuring that when he does arrive he is well informed on the likely failure. And if you grant him JDLink access, he'll know the machine's location too. No longer lost time trying to give him directions or having the technician arrive at the yard instead of the field where you need him. All that helping to keep your machines running more and letting you make well informed decisions in real time.

**Special offer!**

Like to test drive JDLink Ultimate for 12 months, absolutely free? Ask your dealer for details today.

## Let AutoTrac do the steering for you



With our satellite-based hands-free AutoTrac system, every pass matches the full cutting width of your platform. This reduces overlap by as much as 90% – even at night and even after long hours at the wheel. Since the combine does the steering, your operators are less stressed and can focus on optimising their output.

### **AutoTrac RowSense for corn**

AutoTrac RowSense gives you the same productivity in corn too. Special sensors on the header provide real-time data on the position of the row (RowSense). When the data flow gets interrupted, AutoTrac fills in the gaps automatically by providing GPS data instead. Together, these two systems ensure maximum uptime and unparalleled harvesting accuracy.



### Your benefits at a glance

- Up to 90 % less overlap
- Same accuracy day or night
- Less fatigue, more productivity

## The new GreenStar 2630 ISOBUS display

From documentation and performance monitoring to guidance and ISOBUS control, the GreenStar 2630 sets new standards for convenience, comfort and efficiency.

### State-of-the-art support

The 26 cm full-colour TouchScreen display lets you control all your i-Solutions from a single intuitive interface. Features include:

- Documentation
- Guidance
- Performance monitoring
- USB port for data transfer
- Video enabled
- Brilliant 26 cm TouchScreen
- ISOBUS capability
- User access levels
- Standby mode for road transport or night-time use



### Performance Monitor

The Performance Monitor feature provides key productivity data such as vehicle speeds, area counters and fuel efficiency.



### Video

The video function enables operators to monitor sensitive areas to further increase productivity.



### HarvestDoc

As you harvest, HarvestDoc compiles yield and moisture data automatically and displays them in real time on your GreenStar 2630. That means your operators always have the latest information – and can optimise their settings accordingly.



## John Deere filters



### Your hidden helpers

Filters are vital to the performance and life-span of your engine and hydraulic systems. That's why John Deere filters are engineered to operate in the most demanding environments.

### Quality pays

John Deere engine, fuel and cab filters increase performance and uptime. They extend service intervals. And, because we never compromise on quality, they ensure excellent value for money.

Ask your John Deere dealer about our set the next time you stop by! Our twist-on canister fuel filters feature a no-spill vertical design, five-micrometer precision and superb water separation capabilities.

### Why change an air filter?

- Optimum protection
- Longer engine life
- Increased efficiency
- Higher performance, lower costs

## John Deere batteries



### The power to perform

Your John Deere dealership has a complete range of top quality batteries built especially for your combine. So when the time finally comes to replace the one you now use, don't take chances. Choose the original.

### Our battery promise

- Superior starting performance even under extreme operating conditions
- Vibration resistance up to ten times better than traditional batteries
- High charge and discharge durability, even when the engine is switched off

John Deere StrongBox batteries are built for voltage systems 14.2 and below. They come in three different grades to suit your voltage system and operating requirements.

They meet demanding John Deere specifications. And their reserve capacity is built in as standard.

## John Deere Lubricants



John Deere lubricants, greases and coolants are the ideal way to keep your machinery in top shape. They ensure power-packed performance, deliver long lasting protection and they're developed by the company that knows your technology best: John Deere.

**Plus-50 II premium engine oil** has been designed to provide advanced lubricant performance in modern low emission engines and to meet the requirements of heavy duty off-road applications. It is recommended for four-stroke naturally aspirated, turbocharged and supercharged diesel engines with Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), and Exhaust Gas Recirculation (EGR). It's designed to extended oil drain intervals and ensure a longer engine life.

|  | S660*  | S670                        | S680                        | S690                        |
|--|--|-----------------------------|-----------------------------|-----------------------------|
| <b>Feeding</b>   |  |                             |                             |                             |
| Fixed feederhouse speed  | Base   | Base                        | Base                        | Base                        |
| Variable feederhouse speed   | Optional   | Optional                    | not available               | not available               |
| Heavy Duty 5-Speed feederhouse   | Optional   | Optional                    | Optional                    | Optional                    |
| Lateral tilt feederhouse   | Optional   | Optional                    | Base                        | Base                        |
| Heavy Duty cast iron conveyor chain slats  | Base   | Base                        | Base                        | Base                        |
| Width (mm)   | 1397   | 1397                        | 1397                        | 1397                        |
| Length (mm)  | 1727   | 1727                        | 1727                        | 1727                        |
| FAST Beater (Feed Accelerator cylinder with Stone Trap)  | Base   | Base                        | Base                        | Base                        |
| FAST beater speed (rpm)  | 500/1000   | 500/1000                    | 500/1000                    | 500/1000                    |
| Reverser   | Base   | Base                        | Base                        | Base                        |
| <b>Threshing and Separation</b>  |  |                             |                             |                             |
| TriStream Rotor with fixed crop flow   | Base   | Base                        | Base                        | Base                        |
| Variable Stream Rotor with long front cone, rear cone, actively adjustable crop flow in separator                                  | Optional   | Optional                    | Optional                    | Optional                    |
| Rotor Length (mm)  | 3124   | 3124                        | 3124                        | 3124                        |
| Rotor Diameter (mm)  | 762  | 762                         | 762                         | 762                         |
| Rotor speed ranges (rpm)   | 210 – 550/380 – 1000   | 210 – 550/380 – 1000        | 210 – 550/380 – 1000        | 210 – 550/380 – 1000        |
| Threshing area (m <sup>2</sup> )   | 1.1  | 1.1                         | 1.1                         | 1.1                         |
| Separation area (m <sup>2</sup> )  | 1.54   | 1.54                        | 1.54                        | 1.54                        |
| Discharge beater grate (m <sup>2</sup> )   | 0.36   | 0.36                        | 0.45                        | 0.45                        |
| <b>Cleaning</b>  |  |                             |                             |                             |
| High capacity S-Series cleaning shoe with Pre cleaner extension,   | Base   | Base                        | Base                        | Base                        |
| Active tailings return with additional 399 mm beater for increased throughputs at high threshing intensities                       | not available  | not available               | Base                        | Base                        |
| Fan speed (rpm)  | 620 – 1350   | 620 – 1350                  | 620 – 1350                  | 620 – 1350                  |
| <b>Straw Management</b>  |  |                             |                             |                             |
| Deluxe chopper w/o overshot beater, fine cut chopper with 44 knives and electric vane tailboard                                    | Optional   | Optional                    | Optional                    | Optional                    |
| Premium residue with overshot beater, remote chop to drop door, extra fine cut chopper with 100 knives and electric vane tailboard | Optional   | Optional                    | Optional                    | Optional                    |
| Advanced Power Cast active spreader  | not available  | Optional                    | Optional                    | Optional                    |
| <b>Grain handling</b>  |  |                             |                             |                             |
| Volume (l)   | 10600  | 10600                       | 14100 (HM 10600)            | 14100 (HM 10600)            |
| Unloading auger length (m)   | 6.9 m foldable or 7.9 m fix  | 6.9 m foldable or 7.9 m fix | 6.9 m foldable or 7.9 m fix | 6.9 m foldable or 7.9 m fix |
| Unload rate (l/s)  | 77 or 120  | 120                         | 135 (120 for HillMaster)    | 135 (120 for HillMaster)    |
| <b>Engine</b>  |  |                             |                             |                             |
| Type   | John Deere PowerTech PSX Engine, 6 Cylinder, twin turbo charger, emission level Tier III B with fully automatic EGR technology |                             |                             |                             |
| Displacement (l)   | 9  | 9                           | 13.5                        | 13.5                        |
| fuel tank (l)  | 950  | 950                         | 1250                        | 1250                        |
| EGR fully automatic filter technology, no urea needed  | base   | base                        | base                        | base                        |
| Cooling  | Air-to air-aftercooler   | Air-to air-aftercooler      | Air-to air-aftercooler      | Air-to air-aftercooler      |
| Rated speed (U/min)  | 2200   | 2200                        | 2100                        | 2100                        |
| Rated power ECE R120 (kW/hp/PS)  | 239/320/325  | 278/373/378                 | 353/473/480                 | 405/543/551                 |
| Max. power boost (kW/hp/PS)  | 25/34/34   | 25/34/34                    | 37/50/50                    | 37/50/50                    |
| Max. power ECE R120 (kW/hp/PS)   | 273/365/371  | 317/425/431                 | 402/540/547                 | 460/617/626                 |
| <b>Ground drive</b>  |  |                             |                             |                             |
| 3 speed electric Push Button Shift Transmission  | Base   | Base                        | not available               | not available               |
| ProDrive transmission  | not available  | Optional                    | Base                        | Base                        |
| John Deere Tracks, fully suspended with equal load distribution system and positive drive  | not available  | Optional                    | Optional                    | Optional                    |
| HillMaster option including HillMaster feederhouse   | not available  | Optional                    | Optional                    | Optional                    |

\* Not available in UK

# Experience the future of support

Outstanding dealer support is the key to distinctive uptime and productivity. And because your John Deere dealer understands your business needs as well as your machines, he can provide the all-round service you need to work profitably.

To keep our dealers up to speed on new developments and technologies, we train them frequently and in depth. That way, they can help you 'see what's coming' and plan for the future in good time. This expertise, together with the finest parts delivery service in the industry, is what makes John Deere dealers so valuable.



[JohnDeere.com](http://JohnDeere.com)



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