



NEW HOLLAND CR

CR7.90 | CR8.90 | CR9.90 | CR10.90



ENTER A NEW HARVESTING DIMENSION

New Holland revolutionised the way farmers harvested over 40 years ago with the introduction of ground-breaking Twin Rotor™ technology for combines. Today's latest generation of CR combines continues the pure rotary bloodline and offers the world's farmers best-in-class grain and straw quality thanks to the gentle multipass action. The new, range topping CR10.90 is the most powerful and productive CR to date. The all-new Harvest Suite™ Ultra cab has set a new benchmark in terms of harvesting ergonomics and comfort. Innovative features such as the SmartTrax™, IntelliCruise™, IntelliSteer® and Opti-Spread™ systems further enhance productivity, and together with Dynamic Feed Roll™ technology, continue to ensure that the CR range is one of the most advanced and productive harvesters in the world.

OUTSTANDING CAPACITY

In 2008 the CR combine broke the Guinness World Record for harvesting. During the record it harvested 551 tonnes in under eight hours. The range topping 653hp(CV) FPT Industrial Cursor 16 Diesel Engine of the Year 2014, powering the CR10.90, delivers efficient power and when combined with advanced harvesting technology, including optional IntelliSteer® auto guidance, you can harvest around the clock. Twin Pitch rotor technology can improve capacity in high moisture conditions by up to 10%. The optional Dynamic Feed Roll, with integrated dynamic stone protection, has improved already impressive capacity by up to 10% as well as enhancing crop flow into the rotors and reducing grain crackage. In 2014 the CR10.90 set a new Guinness World Record for harvesting 797.656 tonnes of wheat in eight hours. The CR, keeps going as long as you do.

SUPERIOR HARVEST QUALITY

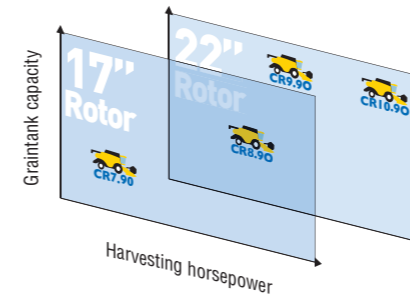
Unsurpassed grain and straw quality is guaranteed courtesy of gentle, yet highly efficient Twin Rotor™ technology. Grain crackage is a thing of the past with an Industry leading figure as low as 0.1%. Dynamic Feed Roll™ technology provides the most efficient on-the-go stone collection and the new serrated blades are even gentler on straw. Opti-Clean™ technology ensures the cleanest grain sample and you can choose between two types of rotor to match your individual harvesting needs.

LOWER OPERATING COSTS

ECOBlue™ SCR technology for Tier 4A compliance will significantly reduce your operating costs, by lowering your fuel consumption by up to 10%. The CR10.90 benefits from industry leading ECOBlue™ HI-eSCR technology to comply with the more stringent Tier 4B emission regulations and it maintains the efficiency you've come to expect of a CR combine. When combined with long, 600 hour service intervals, and the SmartTrax™ system for reduced soil compaction, more money stays in your pocket. Always.

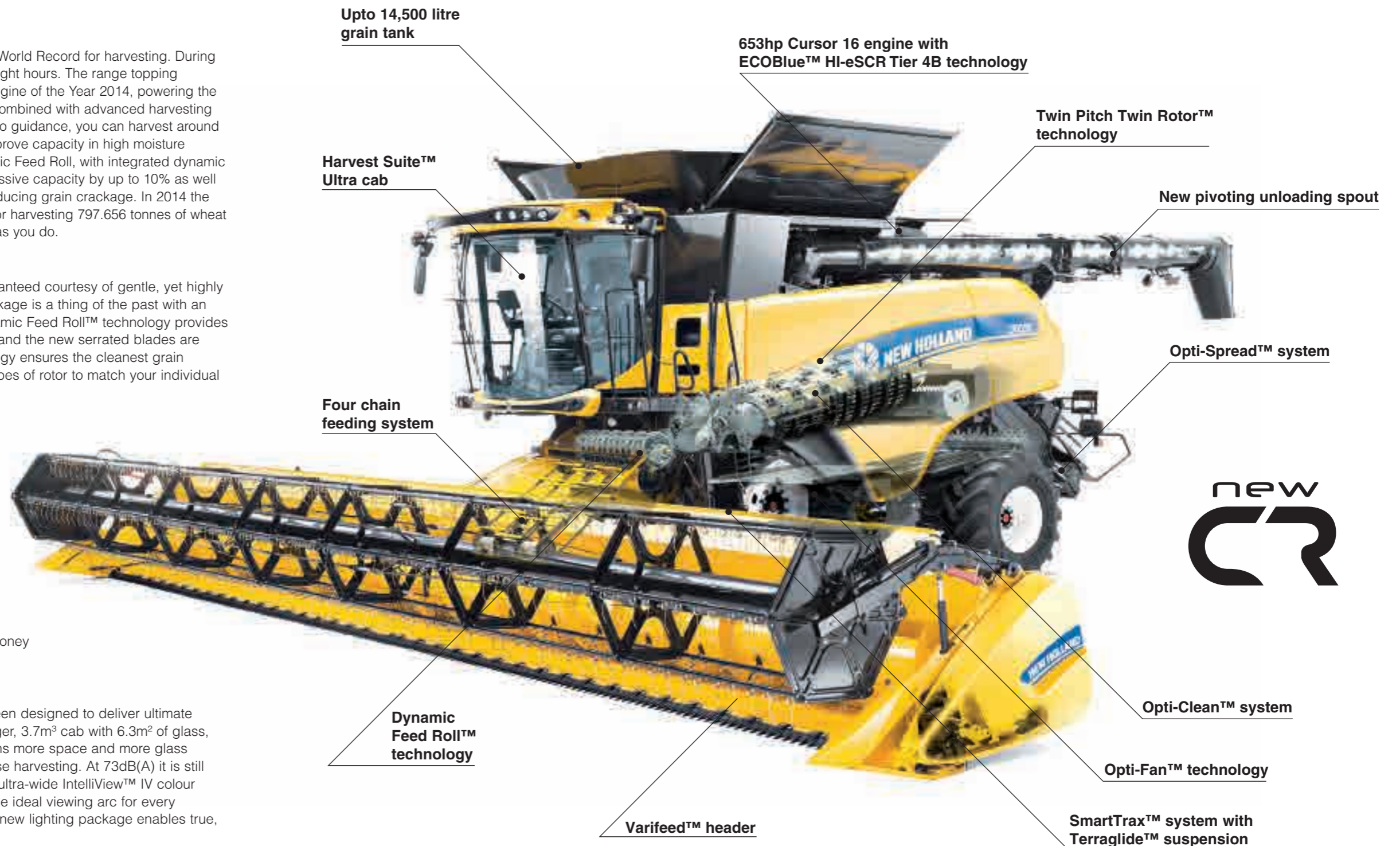
ABSOLUTE DRIVING PLEASURE

The all-new Harvest Suite™ Ultra cab has been designed to deliver ultimate harvesting comfort and ergonomics. The larger, 3.7m³ cab with 6.3m² of glass, almost 7% more than previous models, means more space and more glass add up to more comfortable and more precise harvesting. At 73dB(A) it is still the quietest cab on the market. The 26.4cm ultra-wide IntelliView™ IV colour touchscreen monitor can be positioned on the ideal viewing arc for every operator. If you're a night time harvester, the new lighting package enables true, 24 hour productivity.



EXACTLY WHAT IT SAYS ON THE SHIELDING

The performance of a CR combine is immediately obvious. How? By the model number on the side! The first digit of the model number, whether a 7, 8, 9 or 10 denotes the class of combine. The higher the number the more powerful the combine. The final digits, 90 indicate its position within the class.





A HISTORY OF MODERN COMBINING BY NEW HOLLAND

BUILT IN ZEDELGEM

The flagship CR models are built in Zedelgem, Belgium, home to New Holland's global Centre of Harvesting Excellence. It is here, over 100 years ago, that Leon Claeys built his very first threshing machine that revolutionised the way farmers harvested. Zedelgem is synonymous with harvesting firsts, in 1952 it produced the first European self-propelled combine harvester. Today, yellow blooded engineers are committed to developing the next generation of harvesting products. The sophisticated product development process and the extensive knowledge of a dedicated workforce of a World Class Manufacturing facility ensure the CR range, together with all flagship harvesting products, the CX conventional combines, BigBaler large square balers and FR forage harvester, continue to set the benchmark in harvesting.



2015
THE HISTORY OF SUCCESS CONTINUES!

1975: New Holland introduced the pioneering concept of Twin Rotor™ technology on the TR70 (145-168hp). The face of harvesting was changed forever.

1979: The second generation of Twin Rotors appeared in TR75, TR85 and TR95 formats, and their power was upped from 155-225hp.

1984: A bigger cab, improved visibility and S³ rotors characterised the third generation of machines. Farmers welcomed TR76, TR86 and TR96 models.

1993: Almost a decade later, the TR87 and TR97 fourth generation combines made their mark with more power on offer.

1997: Simplified controls made harnessing even more power on the fifth generation TR88 and TR98 combines more efficient and productive.

1999: Six generations down the line, the higher grain handling capacity and enhanced visibility were the hallmarks of the TR89 and TR99 models.

2002: A sleek, fresh looking seventh generation graced the world's fields. The completely new styling, longer rotors, a larger cab and the first self-levelling cleaning system on a rotary combine all combined to make the CR960 and CR980 models highly desirable. By the way, did we forget to mention they produced up to 428hp.

2004: The beginning of the new millennium saw production of Twin Rotor combines start in Zedelgem, Belgium, New Holland's Centre of Harvesting Excellence.

2005: Three decades of Twin Rotor™ success was celebrated with the introduction of the IntelliView™ II monitor for precision machine control.

2007: The CR Elevation series, was the eighth generation and featured a whole host of productivity boosting elements including: up to 530hp Tier 3 engines, Opti-Clean™ system and IntelliCruise™ system for consistent feed load, with smooth changes of speed for optimised performance and operator comfort.

2008: The CR9090 becomes officially the world's highest capacity combine. It smashed the GUINNESS WORLD RECORDS™ harvesting record: officially harvesting 551 tonnes of wheat in under eight hours.

2010: The CR range celebrates its 35th anniversary. Production of the CR9060 for Latin America starts in Brazil.

2011: The ninth generation of Twin Rotor combines is launched, featuring Tier 4A compliant ECOBlue™ SCR engines, improved capacity, as well as best-in-class grain and straw quality.

2012: The CR range wins the prestigious 'Machine of the Year' award thanks to its unsurpassed harvesting performance and quality.

2013: The introduction of the dynamic feed roll has further improved in-field performance and grain quality.

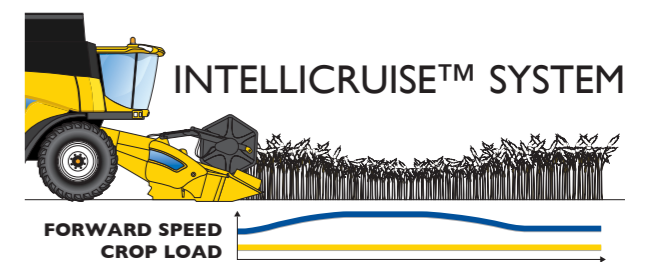
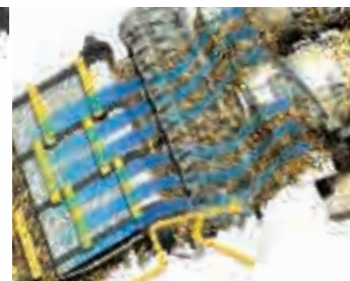
2014: The CR10.90 smashes the GUINNESS WORLD RECORDS™ title for the most wheat harvested in eight hours. During the record it harvested 797.656 tonnes of wheat in under eight hours in real world conditions.

2015: The 10th generation CR range celebrates 40 years of harvesting excellence with the introduction of the benchmark Harvest Suite™ Ultra cab.



ENHANCED PROTECTION FOR IMPROVED EFFICIENCY

The CR's feeding system has been significantly upgraded to enhance its already highly efficient operation. The feeder now features four chains with connecting slats on the CR8.90, CR9.90 and CR10.90 models for improved crop flow and even smoother feeding into the Twin Rotors. The CR range benefits from an improved header lift capacity for ultimate productivity when working with the very largest headers, and you can choose between the Advanced Stone Protection system or the optional, Dynamic Feed Roll™ (DFR) system which both ensure the threshing mechanism is always fully protected.



NEW DYNAMIC FEED ROLL™ SYSTEM

This on-the-go mechanical system delivers maximum feeding efficiency and stone detection effectiveness in extremely stony conditions. Stones are automatically directed by a 45cm diameter closed beater into a dedicated stone trap located between the feeder and rotors. There's no stopping, no hesitation, no interruption of the harvesting process. This non-stop harvesting increases capacity by up to 10% when operating on the stoniest ground. The system now features serrated blades so that it is even gentler on the crop to deliver higher quality, more profitable straw. The stone trap is easily emptied during routine checks.

MAKING BLOCKAGES A THING OF THE PAST

Header blockages are cleared by the hydraulic reversing system. The entire header and elevator can be 'rocked' backwards and forwards to effectively unblock the machine for minimum downtime and maximum harvesting uptime.

ADVANCED STONE PROTECTION SYSTEM

The unique Automatic Stone Protection System (ASP) uses a detection sensor located under the closed lower drum of the straw elevator. When a stone is detected, the full width pivoting door automatically opens and the stone is ejected. This solution requires minimal operator input and ensures an unobstructed flow of the crop from the feeder to the rotors. This enhances grain and straw quality, as well as capacity, not forgetting the automatic protection of the internal feeding elements for extended machine life. ASP is standard on the CR7.90, CR8.90 and CR9.90.

INTELLICRUISE FOR INCREASED PRODUCTIVITY

The IntelliCruise™ Automatic Crop Feeding system automatically matches the forward speed to crop load. A sensor on the straw elevator driveline continually monitors the demand placed on the header, so in areas of lighter crop, forward speed is automatically increased to guarantee the combine works at full capacity independently of areas of differing yield.

WORLD-CLASS GRAIN QUALITY

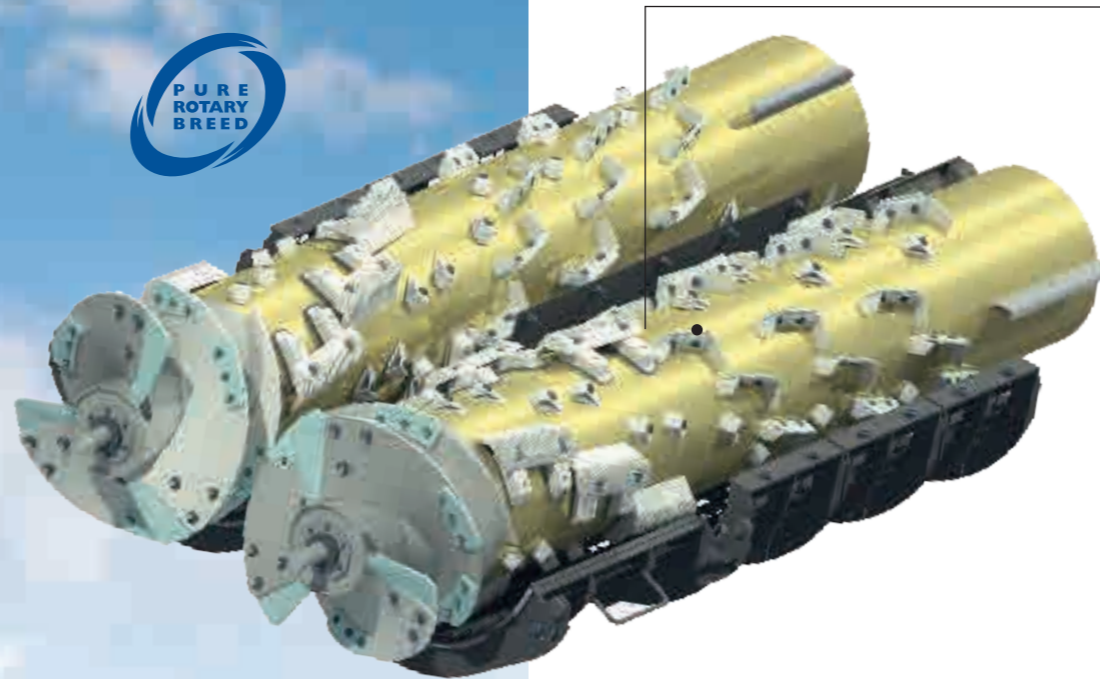


New Holland invented the Twin Rotor™ concept over 40 years ago, and has been refining and evolving this technology for four decades to offer farmers ever increasing capacity and improved grain and straw quality. New Holland also knows that no two farms are alike, so two different types and sizes of rotor have been developed to suit farmers' individual needs. The 17" standard rotors are fitted to the CR7.90 model, and the heavy duty, high capacity 22" design are fitted to the CR8.90, CR9.90 and CR10.90 models. A bespoke machine for top drawer quality and performance.



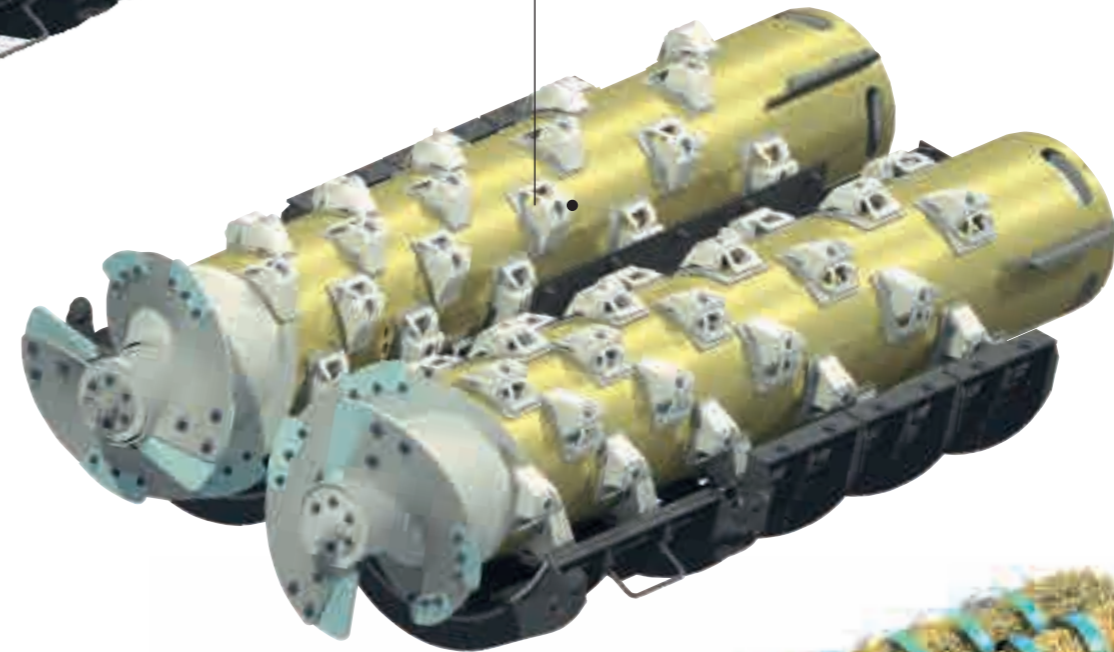
CONCAVE FLEXIBILITY

For operations that harvest a variety of crops, crop-to-crop flexibility is achieved courtesy of easy to change concaves and separation grates. Choose between the very finest small wire concave for small grains as standard right through to the round bar concaves and grates for maize and beans.



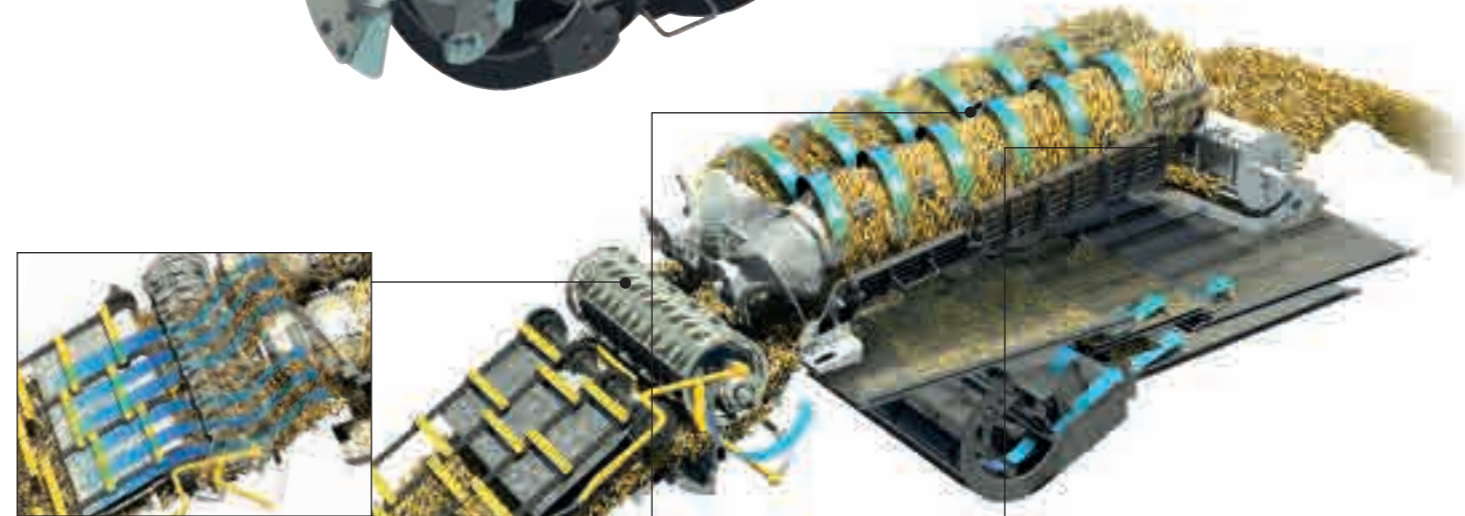
STANDARD S³ ROTORS STAGGERED, SEGMENTED AND SPIRALED

New Holland's standard "S³" rotors are Staggered, Segmented and Spiraled to control the crop, moving material evenly rearward without bunching and reducing the opportunities for grain damage. The CR7.90 feature 17-inch S³ rotors with two intake flights, while the CR8.90, CR9.90 and CR10.90 feature high-capacity, 22-inch S³ rotors with three intake flights.



OPTIONAL TWIN-PITCH ROTORS

For more aggressive separation in difficult harvesting conditions, 22-inch Twin-Pitch rotors featuring 44 elements are available. They can be configured for rice and small grains and are particularly suited for damp conditions, where they can offer up to a 10% increase in capacity. Configurations are available that allow you to select or convert between rice and small grain. (These rotors are not recommended for dry harvesting conditions.)



PRODUCTIVITY ENHANCING DYNAMIC FEED ROLL

The addition of the optional Dynamic Feed Roll, which is located in front of the rotors, simultaneously speeds up the crop, for smoother, streamlined feeding, and automatically directs stones into a dedicated trap. The additional serrated roll, available on all models, improves feeder performance by up to 10% on 22" rotor machines and by up to 15% on 17" rotor variants thanks to greater throughput.

EVERYTHING IN GOOD TIME

With the addition of the optional adjustment rotor vanes, the rotor cover vanes can be precision adjusted to either accelerate or slow down the crop flow to regulate the time provided to thresh and separate the grain.

STRAW PROCESSING

Once the straw has reached the end of the rotors, the 400mm diameter straw flow beater moves straw into the straw chopper with the assistance of a hydraulically driven feed roll. The positive straw discharge belt option enables smoother straw flow for windrowing. This belt directs the straw rearwards, for efficient flow through to the rear of the combine.

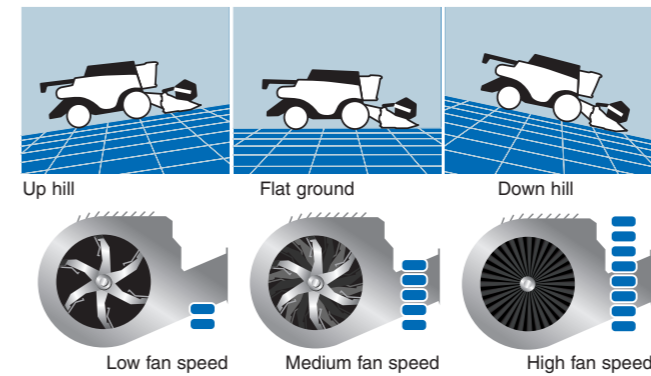
THE CLEANEST GRAIN SAMPLE

Best-in-class grain quality. The Industry's cleanest grain sample. It must be the CR. Don't just take our word for it: in comparative tests carried out to evaluate the grain sample of different harvesting concepts, Twin Rotor™ technology beat the competition hands down. The result: a minuscule 0.1% broken grain. How? Thanks to the unique Twin Rotor™ concept which ensures in-line crop flow for the gentlest grain handling. Grain quality is further enhanced by award winning features including the Opti-Clean™ and Opti-Fan™ systems.



GRAVITY DEFYING OPTI-FAN™ TECHNOLOGY

The Opti-Fan™ system compensates for the gravitational effects on crop material during harvesting. Select the desired fan speed on flat ground, and the system automatically adjusts it when going up or downhill to maintain cleaning performance. When travelling on upward slopes the fan slows down to prevent sieve losses, and when tackling downhill gradients fan speed increases to prevent thick material build ups on the sieves. This efficient system requires no extra work from the operator and provides a better grain sample together with reduced losses.



THE CLEANEST GRAIN FOR THE HIGHEST REWARDS

With a total area under wind-control of 6.54m² on the CR8.90, CR9.90 and CR10.90 models, and of 5.40m² on the CR7.90 model, the cleaning shoe efficiently handles the largest grain volumes. The Opti-Clean™ system optimises the stroke and throwing angles in the cleaning system. The grain pan, pre and top sieves operate independently to optimise the cascade for greater capacity, and the longer sieve stroke and steep throwing angle keep more material airborne, for even higher cleaning efficiency. The opposing motion of the grain pan and bottom sieve to the pre-sieve and the top sieve reduces overall machine vibrations and increases operator comfort.



PRECISION AIRFLOW

The CR range's unique paddle fan design generates the largest volume of air at a constant pressure, which is far superior to competitor alternatives. Moreover, the fan has two dedicated openings to direct a powerful stream of air to both the pre and top sieves for guaranteed cleaning performance.



NEUTRALISE SIDE SLOPES OF UP TO 17%

The self-levelling cleaning shoe automatically optimises the cleaning shoe angle by up to 17% to neutralise the effects of side slopes, and also prevents grain banking during headland turns, to assist in uniform crop distribution and unsurpassed cleaning performance.

ADJUST YOUR SIEVES FROM YOUR SEAT

In changing crop conditions you can remotely adjust the sieves from the comfort of your seat. Simply open the sieve in heavier crops to allow greater wind flow or reduce the sieve opening in lighter crops, to prevent losses and improve harvesting efficiency.

THE CR REMEMBERS YOUR CROPS

To reduce unproductive set-up time when switching between crops or when working in varying crop conditions, the CR features Automatic Crop Setting (ACS), with fifty crop-specific settings. The operator either selects from pre-installed settings, or simply programmes two harvest parameters for each crop, including reel speed and position, rotor speed and concave setting, sieve opening and cleaning fan speed, and recalls these on the IntelliView™ IV monitor when required. Push button simplicity from New Holland.

HIGH VOLUME GRAIN MANAGEMENT

A SUPER-SIZE GRAIN TANK FOR SUPER-SIZED PERFORMANCE

The CR grain tank has been increased to perfectly match its high capacity. The length of the unloading auger has also been enlarged to match the performance of the new generation of CR combines and modern day headers. Quite simply, New Holland has left no stone unturned in the quest to improve the CR range's output and your productivity.

LONGER, STRONGER AND MORE ACCURATE

The new extra-long unloading spout has been completely redesigned for perfect compatibility with today's largest headers. The optional, folding auger can be unfolded and refolded from the comfort of the cab. It also reduces overall length to facilitate road transport. The pivoting spout, controlled via the CommandGrip™ multifunction handle, enables operators to precisely direct the crop for even more uniform trailer filling. Unloading speed has increased by 13%, which means the largest 14,500 litre grain tank can still be emptied in under 2 minutes thanks to a 143 litre/second unloading speed (CR9.90 and CR10.90 only). Choose New Holland for less time unloading and more time harvesting.



KEEP AN EYE ON YOUR GRAIN

The CR has set a new industry standard in terms of grain quality, but for your peace of mind, New Holland has designed a 910 x 550mm viewing window in the cab. Simply glance over your shoulder and you can see the quality of grain in the tank with your own eyes. You can also keep an eye on the grain tank fill level, which is displayed on the IntelliView™ IV monitor. If you want to take things a stage further, a grain sample flap, accessible from the operator's platform, assists physical sampling activities.

ROBUST OPTION FOR ABRASIVE CROPS

For prolonged operation in abrasive crops the CR is specified with the 'abrasive option'. The grain elevator, bubble-up auger and unloading auger are manufactured in heavy-duty materials to withstand prolonged operation in such crops.



HIGH PERFORMANCE GRAIN TANK

The 14,500 litre grain tank on the CR9.90 and CR10.90 can hold 16% more grain than its predecessor. How? The grain tank covers fan out to enable even more grain into the tank between unloading. The result: you can go even longer between unloading, saving you money on grain carting, and it means operators spend more time doing what they do best: harvesting. You can still close the tank covers electronically from the comfort of the cab. Further benefits include reduced grain losses when working on steep inclines and grain is also protected during overnight storage. The bubble-up auger evenly distributes grain in the tank and renders air pockets and grain banks a thing of the past.



Grain tank	CR7.90	CR8.90	CR9.90	CR10.90
Folding covers capacity standard (l)	11500	12333	14500	14500

FLEXIBLE SOLUTIONS RIGHT FOR YOUR OPERATION

The CR range offers complete and comprehensive residue management options that can be tailored for different types of crop and cultivation methods. Operation entails using a dedicated ergonomic lever. No need for tools. No need to change components. No need to even get out of the cab. Simple. Fast. Typically New Holland.



OPTI-SPREAD™ SYSTEM: SPREADING WIDE. ALWAYS

When using the wide headers on the CR, a dedicated and powerful straw spreading system is a must. The optional Opti-Spread™ straw spreader mounted behind the straw chopper easily meets any spreading width requirement. This system has been further enhanced with the addition of Dual-Chop™ technology. All residue passes through a dedicated rake containing razor sharp blades to ensure a superfine chop of all material. This is perfect for minimum or no tillage operations that employ direct cultivation techniques. The Opti-Spread™ system is controlled from the comfort of the cab, and the two powerful spreading-disks can be adjusted to counteract any wind or side-slope impact.



PERFECT BALES

Twin Rotor™ technology offers perfect in-line crop flow, and eliminates the need for aggressive changes in speed and direction. As a result, the straw structure is maintained and breakages are minimal, even when working at the highest outputs. This makes its straw perfect for baling. Straw flow is maintained as the straw flow beater moves the straw onto the positive straw discharge belt. The twin-disc chaff spreader can spread the chaff or direct it onto the ground, under the straw to be baled.

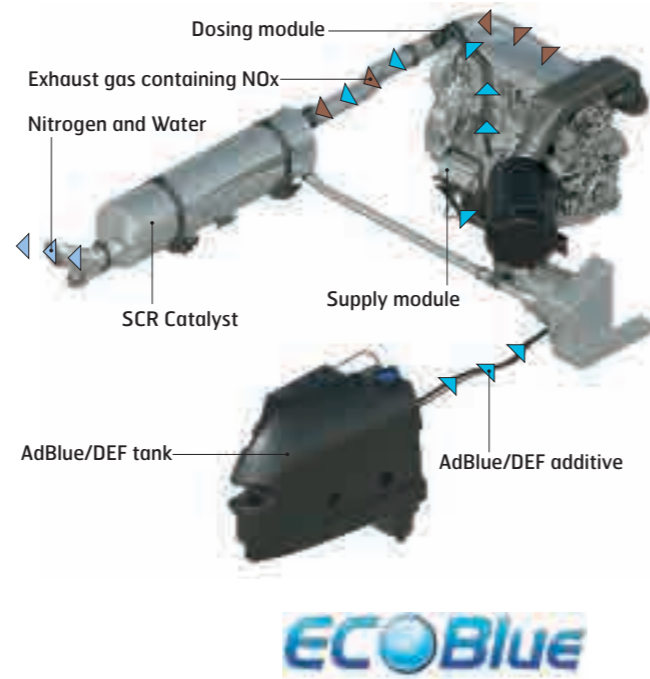
CHOPPING FINE, SPREADING WIDE. NEW HOLLAND STRAW CHOPPERS

The New Holland in-house range of straw choppers have been developed to perfectly match the CRs' performance. The four row chopper configurations with wind blades installed at the outer edges of the rotors for high spreading capacity. The high speed, 3500rpm chopper, ensures fine chopping and wide spreading of even the heaviest crops.

POWERFUL. RESPECT. FOR YOU. FOR YOUR FARM. FOR THE FUTURE



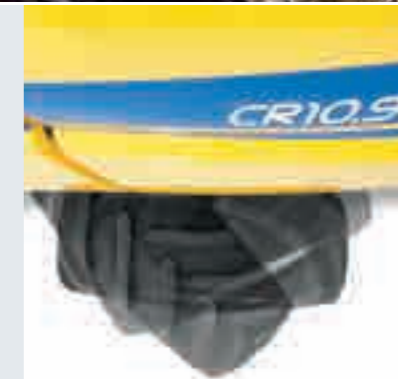
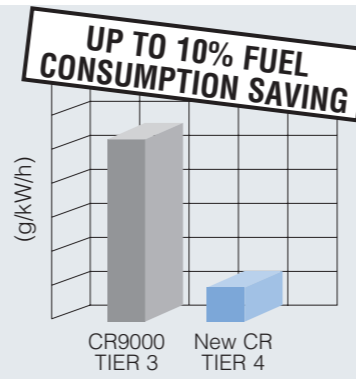
Sustainable Efficient Technology



The CR range of combines benefits from the productivity enhancing features of FPT Industrial Cursor 9, 10 and 13 engines equipped with ECOBlue™ SCR technology for Tier 4A compliance and Cursor 16 engines equipped with ECOBlue™ HI-eSCR technology for Tier 4B compliance. Through the Clean Energy Leader strategy, New Holland is committed to making agriculture more efficient while respecting the environment. The proven ECOBlue™ technology uses AdBlue to transform the harmful nitrogen oxides contained in the exhaust gas into harmless water and nitrogen. This after-treatment system is separate from the engine which means the engine only breathes clean, fresh air. What does this mean? Clean running power units that offer improved performance and enhanced fuel economy.

Model	CR7.90	CR8.90	CR9.90	CR10.90
Engine*	FPT Cursor 9	FPT Cursor 10	FPT Cursor 13	FPT Cursor 16
Compliant with engine emissions regulations	Tier 4A/Stage 3B	Tier 4A/Stage 3B	Tier 4A/Stage 3B	Tier 4B/Stage 4
Capacity (cm³)	8700	10300	12900	15927
ECOBlue™ SCR system (Selective Catalytic Reduction)	●	●	●	●
Injection system	Common Rail	Unit injectors	Unit injectors	Common Rail
Gross engine power @ 2100 rpm - ISO TR14396 - ECE R120 [kW/hp(CV)]	300/408	330/449	390/530	440/598
Maximum engine power @ 2000 rpm - ISO TR14396 - ECE R120 [kW/hp(CV)]	330/449	360/490	420/571	480/653
Approved biodiesel blend**	B20	B20	B20	B7

* Developed by FPT Industrial
** Biodiesel blend must fully comply with the latest fuel specification EN14214:2009 and operation is in accordance with operator manual guidelines



ECOBLEUE™ HI-eSCR TECHNOLOGY FOR TIER 4B COMPLIANCE

The flagship CR10.90 is powered by the 2014 Diesel of the Year engine, FPT Industrial's Cursor 16 powerplant and features ECOBlue™ HI-eSCR technology for Tier 4B compliance. This advanced technology maintains the power, productivity and efficiency that you have come to expect of the CR range.

MORE MONEY IN YOUR POCKET

The CR range has been engineered by design to lower your operating costs. ECOBlue™ SCR technology has reduced fuel consumption by up to 10% across the entire CR range. During road transport, the engine runs at a mere 1600rpm, further minimising fuel consumption. The CR ranges ECOBlue™ SCR technology is compatible with 20% Biodiesel blends that comply with EN14214:2009 fuel specifications. Industry-leading 600 hour service intervals complete the cost saving package.

POWER SAVING DRIVELINES

Overall reliability and low power consumption are the result of proven, direct drivelines and the four-speed hydrostatic transmission. Positorque variators are continued on the new CR range, and they still offer simple efficient technology that means more power for harvesting when compared to heavy power sapping CVT competitor alternatives. Remember: simplicity is always the best policy.

SUPER TIGHT TURNING

The CR's compact design and impressive steering angle of up to 50°, give a turning circle as tight as 14 metres (depending on tyre specifications). This means smaller headlands for improved straw quality and reduced harvesting time, together with a tighter headland turn for less time turning and more time harvesting.

SMARTTRAX. REDUCED COMPACTION. SUPERIOR COMFORT

FITTED IN THE FACTORY FOR IMPROVED PERFORMANCE ON THE FARM

The all-new SmartTrax™ system has been engineered by design to offer 57% reduced ground pressure thanks to its triangle structure for improved traction and reduced compaction. The factory fitted SmartTrax also feature an integrated rubber block suspension system which significantly reduces vibration when compared to a traditional fixed track system, for guaranteed comfort during even the longest harvesting days and in road transport situations.

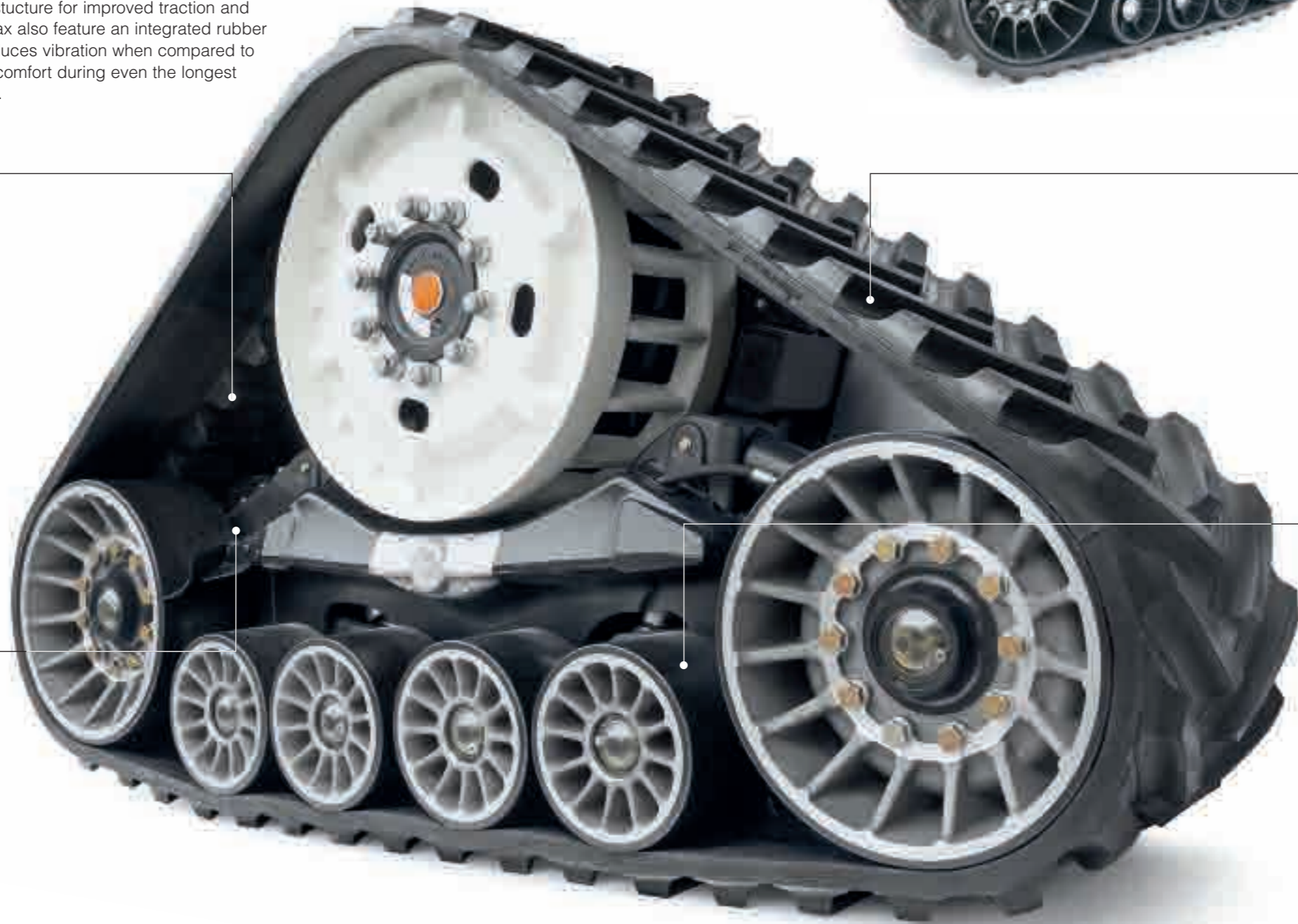
POSITIVE, EFFICIENT DRIVE

The positive lugs on the inner side of the tracks maintain physical contact with the drive wheel for the ultimate in efficient power transmission.



TROUBLE FREE TRACK SETTING

SmartTrax feature a continuous heavy duty tensioning system which ensures that the correct track tension is always maintained for ideal traction. This automatic hydraulic system requires no operator input, so they can get on with the serious business of harvesting. Moreover, the tensioning system is completely separate from the drive wheel, for ultimate simplicity and reliability.



GLIDE OVER THE FIELD IN ABSOLUTE COMFORT

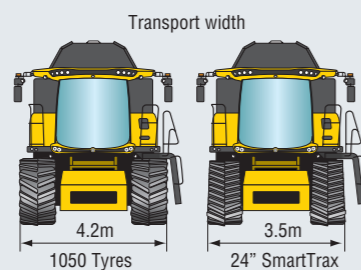
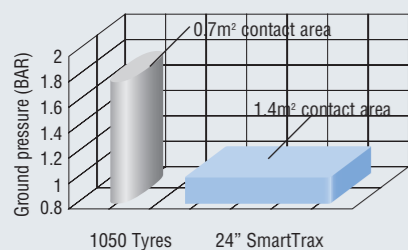
Why complicate matters? Simplicity is always the best policy with the standard SmartTrax system. The rubber block suspension system offers a tried and tested, reliable solution to significantly reduce vibrations for enhanced operator comfort and productivity. Ride quality is further improved by the three central independent rollers which move in conjunction with the terrain to cushion the operator from even the harshest shocks.

TRACTION WITHOUT QUESTION

The SmartTrax triangle design, together with the rubber cleats on the outer belt, ensure a positive contact with the soil and unsurpassed traction when working on the steepest slopes or in the wettest or dustiest conditions. Traction without question.

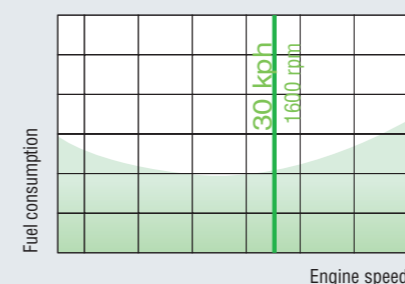
SMARTTRAX™ SYSTEM WITH TERRAGLIDE™ SUSPENSION: YOUR COMFORT PARTNER

The SmartTrax™ rubber tracks with Terraglide™ suspension system bring New Holland's acclaimed suspension technology to tracks. Optional on all models, except CR7.90, they are available in 24" and 28.5" widths. Two pairs of hydraulic suspended rollers work together to produce a silky smooth ride. Want more? How about a longer track length for a larger overall footprint for reduced field compaction and enhanced traction.



A TRACK TO SUIT YOUR NEEDS

SmartTrax are available in two widths to suit your operation: optional 24" and for those working in demanding conditions, a 30" option is available. SmartTrax offer your operation numerous benefits including enhanced stability, 100% increase in contact area when compared to tyres, all whilst maintaining manoeuvrability.

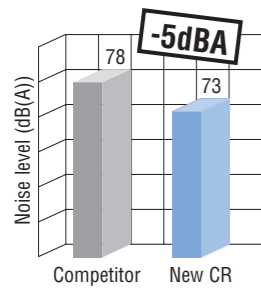


SAVING TIME. SAVING FUEL.

With a top transport speed of 30kph at a mere 1600 engine rpm, the new CR range, when fitted with SmartTrax, is the obvious choice for operations looking to enhance productivity, with more time in the field and less time on the road, and to save on their fuel bills. Fuel economy is further enhanced by the super low rolling resistance, which offers significant savings over competitor solutions. The SmartTrax with the Terraglide suspension system has a maximum transmission speed of 40kph.

A NEW BENCHMARK FOR HARVESTING COMFORT

The CR range of combines quite simply offers you a home away from home during long harvesting days and nights. The Harvest Suite™ Ultra cab is completely new from the floor up and is the fruit of extensive customer consultation. The cab volume has increased to 3.7m³ and boasts 6.3m² of glass, 7% more than previous models. You can enjoy all that space in the peace and quiet of the near silent 73dB(A) cab.



ARE YOU SITTING COMFORTABLY?

The top of the range leather trimmed seat features all the deluxe cloth trimmed seat with heating and active ventilation is perfect for the hottest days and the coldest nights, and features fore/aft movement for even more comfort. With extended vertical travel and automatic weight adjustment absorbs even the most severe bumps to offer the ultimate in operator comfort and style.

360 PANORAMIC VIEW

The Harvest Suite™ Ultra cab's wide curved window offers a perfect view. The floor slopes down into the front windscreen so that you will have an even clearer view of the edge of the header, and the side glass perfectly follows your headers trajectory for an uninterrupted view of the unloading auger. Standard wide angle electric mirrors mean you can see in all directions, and they can be easily positioned from the comfort of the cab. Up to three optional viewing cameras can be managed through the new IntelliView™ IV monitor, and one has been pre-wired for reversing (standard). When unloading, reversing or checking the grain tank level, they are the eyes in the back of your head.

BRIGHT LIGHTS FOR DARK NIGHTS

The CR's lighting package has raised the lighting bar. The spread of light has been engineered for maximum visibility of the entire header and the field ahead. Precision unloading in the dead of night. You'll never lose a single grain thanks to specific unloading auger lights. Additional rear lamps enable operators to monitor residue and two lamps located on the side panel illuminate the rear axle to prevent crushing standing crop and to assist when manoeuvring. Standard is the new LED lighting package to give unparalleled distance illumination. You can also get off of your combine in complete safety courtesy of the entrance light, which remains on for 30 seconds after you've switched the combine off.

STAY REFRESHED ON THE HOTTEST DAYS

During long hot harvesting days, the integrated fridge under the instructor seat will mean a refreshing drink is only ever an arm's length away. Want more? Well, it can be easily removed for easy replenishment. The standard Automatic Climate Control system automatically adjusts fan speed to guarantee accurate temperature to within one degree Celsius. The CR is definitely the coolest place to be.

EFFORTLESSLY MAXIMISING PERFORMANCE

Intelligent and intuitive automation saves times and enhances harvesting performance. The CommandGrip™ multifunction handle is your right hand harvesting man. All key machine and header parameters can be controlled, including header height, reel position and unloading engagement. The right hand console contains less frequently used functions, which are laid out in an ergonomic and logical manner. Machine functions can be analysed at a glance courtesy of the colour IntelliView™ IV monitor.



A PLACE FOR EVERYTHING

You now have space to store everything you need. A large compartment behind the operator is perfect for stowing away essential documentation.

WIDE-SCREEN HARVESTING

The ultra-wide 26.4cm IntelliView™ IV colour touchscreen monitor is fixed on rollers which can move along an ideal viewing arc so you can position it just where you want. This intuitive, colour touchscreen displays and monitors all combine functions and parameters which can be simply and easily adjusted by simply touching the screen. A second screen can be installed as an option and is perfect for IntelliSteer® auto guidance tasks.



Forced based movement enables the operator to change speed and direction

- Reel speed and header reverser direction control
- Emergency Stop (Header and Unloading)
- Reel position, Varifeed™ knife or flip-up maize header plus shift button
- Unloading auger position
Unloading auger engagement
- IntelliSteer® and IntelliCruise™ engagement
- Automatic header height activation
- Two-speed header lift, lowering system and header lateral movement



Shift button and ground speed unlock (behind)

- Header reverse activation
- Opti-Spread™ control (Optional)
- Engine speed
- Automatic header height modes
- Header width correction
- Automatic Crop Settings switch
- IntelliCruise™ engagement (Optional)
- Powered rear wheels engagement (Optional)
- Chopping / Rowing selection (Optional)
- Electronic park brake
- Electronic gear selection



- Header and feeder engagement
- Threshing engagement
- Vertical side knives left and right engagement (Optional)
- Road / Field mode
- Reel speed synchronisation
- Rotor speed control
- IntelliSteer® guidance activation (requires a completion package)
- Concave position
- Grass seed unload
- Open / close grain tank cover (CR9.90 and CR10.90)
- Fold / unfold unloading spout (CR9.90 and CR10.90)
- Cleaning fan speed
- Upper sieve opening
- Lower sieve opening



NEW HOLLAND GUIDANCE SYSTEMS TO MATCH YOUR NEEDS

GET IN AND AWAY YOU GO

A full range of guidance solutions are available from New Holland and include manual and assisted guidance. You can even specify your CR combine with fully integrated IntelliSteer® auto guidance direct from the factory to start saving money from your first run. SmartSteer™ crop edge guidance and automatic row guidance for maize headers are just some of the numerous options which are designed to increase your harvesting efficiency and productivity.

FULLY INTEGRATED INTELLISTEER® GUIDANCE

All CR combines can be ordered direct from the factory with IntelliSteer®, New Holland's fully integrated auto guidance package. Fully compatible with the most accurate RTK correction signals, IntelliSteer can guarantee pass-to-pass and year-to-year accuracy as low as 1 - 2cm. The result? Fields which are cleanly harvested, so every grain gets safely stored in the tank.

REPEATABLE

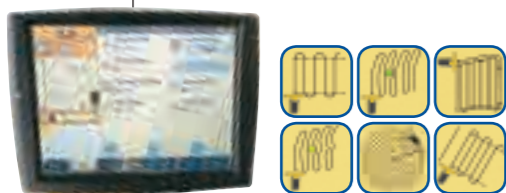


PASS TO PASS



LEVELS OF ACCURACY AND REPEATABILITY

New Holland offer five levels of accuracy. This enables you to select the right IntelliSteer® system to match your needs and budget. When using RTK correction with IntelliSteer it is possible to deliver year on year repeatability.



INTELLIVIEW IV: VISIBLE INTELLIGENCE

The standard IntelliView™ IV monitor can be used to set up the optional New Holland IntelliSteer® auto guidance systems. It enables the programming of a variety of guidance paths, from straight A-B runs to the most complex adaptive curves. You can also personalise your settings and even transfer information from your combine, direct to your precision farming software package.



INTEGRATED CONTROL SYSTEMS

The New Holland IntelliSteer® System uses built in T3 terrain compensated correction signals to keep the Navigation Controller II informed of the combine's orientation. An integrated control valve converts the signal from the Navigation Controller II into the hydraulic movements of the steering system.



NH 372 RECEIVER

The New Holland 372 antenna receives both DGPS and GLONASS signals and is fully compliant with OmniSTAR, Trimble RTX or RTK correction. For RTK applications, a slim profile radio is mounted underneath the receiver. The antenna is positioned on the top of the grain tank to improve signal reception and enhance operation.



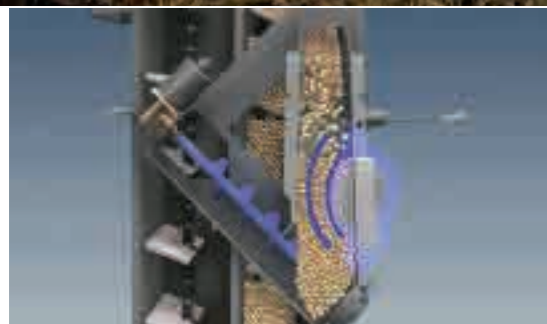
RTK BASE STATION

An RTK base station can be used to broadcast a correction signal to achieve a pass to pass accuracy of 1-2cm.

INTEGRATED YIELD AND MOISTURE SENSING

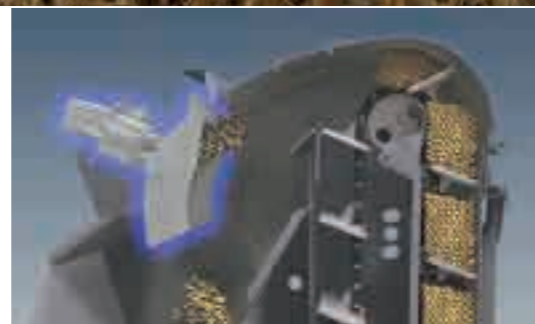
INTEGRATED MONITORING FOR INCREASED YIELD AND CROP QUALITY

The CR range of combines have been engineered by design with precision farming features right at its very heart. Yield information is continually updated and displayed on the IntelliView™ IV monitor. This data can be stored, downloaded and analysed with precision farming software to establish accurate yields maps. These can be used to fine tune inputs to maximise yields and minimise input costs.



REAL TIME MOISTURE SENSING

New Holland's moisture sensor measures grain moisture in real time. Samples are taken every 30 seconds and the data is sent to the IntelliView™ IV monitor. The operator is kept continually informed and can adapt machine parameters accordingly.



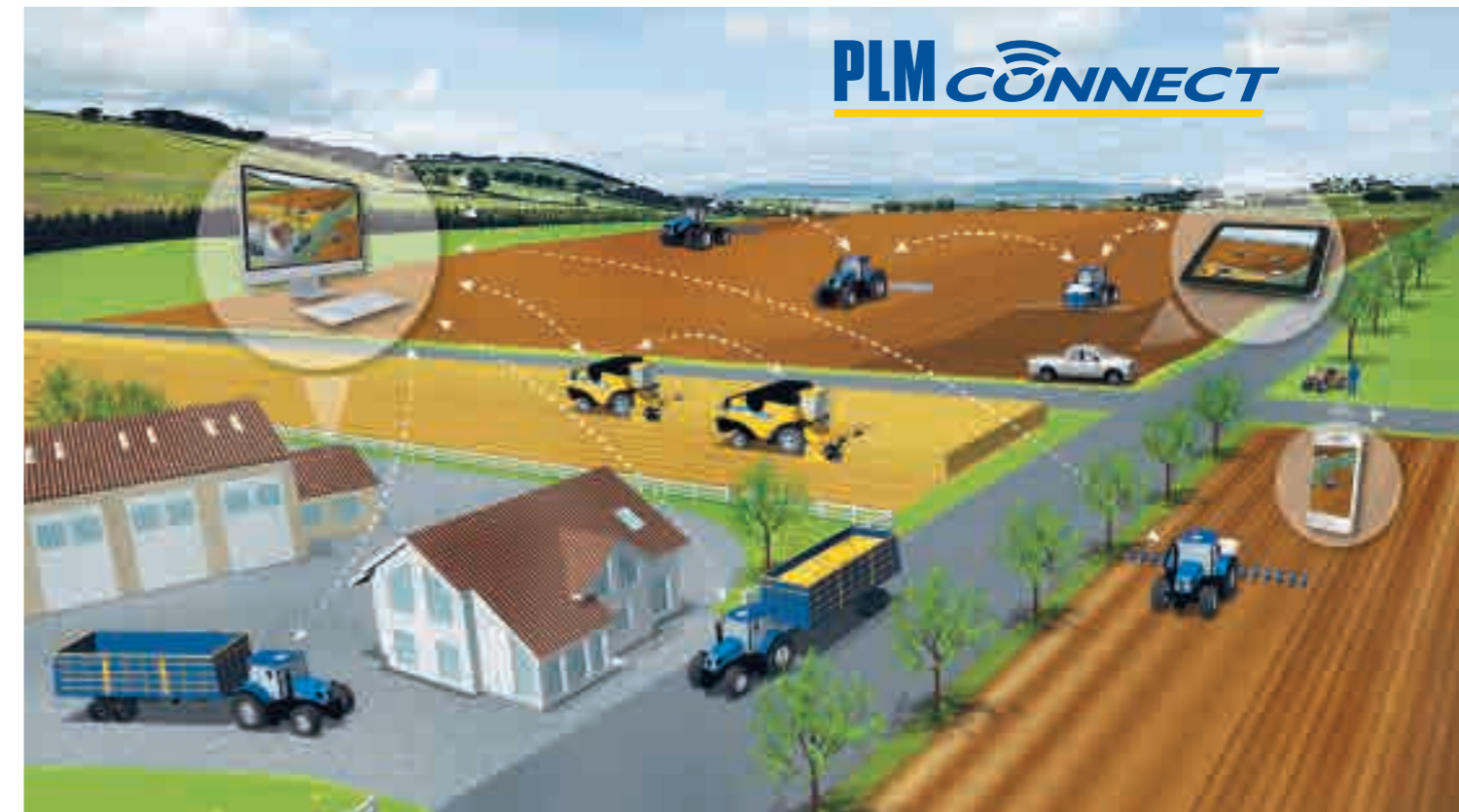
YIELD MAPPING

The exclusive patented, high accuracy yield sensor developed by New Holland is generally recognised as the best in class. Its design neutralises the rubbing effect of grain. Whatever the kind, the variety or the moisture content of the kernel, the sensor generates an extremely accurate yield measurement. Furthermore, calibration is performed just once a season, and the system then automatically adapts to changing crops and conditions. Hands off operation for ultimate harvesting simplicity.

NEW HOLLAND PLM® SOFTWARE

TELEMATICS: MANAGE YOUR MACHINE FROM THE COMFORT OF YOUR OFFICE

PLM® Connect enables you to connect to your combine from the comfort of your office through the utilisation of the mobile network. You can stay in touch with your machines at all times, and you can even send and receive real-time information that saves time and enhances productivity. The entry-level PLM® Connect Essential package offers the most frequently used features or upgrade to the PLM® Connect Professional package for full machine monitoring and control.



PROFESSIONAL CUSTOMER SUPPORT: PLM PORTAL

The PLM portal has been created to support New Holland customers who have purchased Precision Farming and Auto Guidance products. Available to all New Holland customers, visit www.newhollandplm.com today. Once you have signed in, you have unlimited access to the most advanced information on all New Holland Precision Farming and Auto Guidance systems. There is also a section dedicated to training videos and customer support information.



New Holland offers a variety of precision farming packages which will enable you to tailor your inputs to reduce your costs and increase your yields. This information is recorded in real time by your machine during working, and it is simply and efficiently transferred for analysis by the computer package from the IntelliView™ IV monitor via the complementary 4GB USB stick, which is large enough to record data from over 600 - 700 harvesting hectares.

360° : CR

The new CR range has been designed to spend more time working and less time in the yard. After all, we all know how precious time in the field is during short harvesting seasons. The variator lubrication function automatically lubricates all moving parts at pre-set intervals and guarantees even lubrication by controlling the application pressure. All service points are easy to access, and super long service intervals mean they will spend more time in their natural environment: the field!



Engine and hydraulic oil can be checked at a glance, without the need to open complicated panels.

The CR10.90 has a dual rotary dust screen to maintain ultimate efficiency. Easy access to the wide opening Rotor makes maintenance a doddle. The clean out function is managed through the IntelliView™ IV monitor and cleans out the sieves, the fans and the radiator.

Self-supporting, fully opening shielding guarantees wide access to all drives and service points.



The air filter is easily accessible from the engine platform.

The fuel and AdBlue tanks are conveniently located next to each other to facilitate simultaneous filling.

Easy ground-access to all oil filters and drain points and centralised greasing banks mean more efficient maintenance.

Plastic rotor covers can be removed without tools to make seasonal checks even easier and simpler.



The new integrated 25 litre water tank is ideal for washing hands after connecting the header.

DEALER INSTALLED ACCESSORIES

A comprehensive range of approved accessories to optimise machine performance in all conditions can be supplied and fitted by your dealer.



FINANCE TAILORED TO YOUR BUSINESS

CNH Industrial Capital, the financial services company of New Holland, is well established and respected within the agricultural sector. Advice and finance packages tailored to your specific needs are available. With CNH Industrial Capital, you have the peace of mind that comes from dealing with a financing company that specialises in agriculture.

TRAINED TO GIVE YOU THE BEST SUPPORT

Your dedicated New Holland dealer technicians receive regular training updates. These are carried out both through on-line courses as well as intensive classroom sessions. This advanced approach ensures your dealer will always have the skills needed to look after the latest and most advanced New Holland products.

SERVICE PLUS - LONG LASTING CONFIDENCE

Service Plus coverage from Covéa Fleet provides owners of New Holland agricultural machinery with additional cover on the expiry of the manufacturer's contractual warranty. Please ask your dealer for more details. Terms and conditions apply.

NEW HOLLAND APPS

- NH Weather
- NH News
- Farm Genius
- PLM Calculator
- PLM Academy



Experience New Holland What's App!

Scan here to download the Apps



MODELS	CR7.90	CR8.90	CR9.90	CR10.90
Automatic header control systems				
Automatic stubble height control	●	●	●	●
Compensation mode	●	●	●	●
Autofloat™ system	●	●	●	●
Straw elevator				
Number of chains	3	4	4	4
Fixed feeder drive	●	●	●	●
Variable feeder drive	○	○	○	○
Power Reverse™ hydraulic header and elevator reverser	●	●	●	●
Lateral flotation	●	●	●	●
Front face adjustment	●	●	●	●
ASP System (Advanced Stone Protection)	●	●	●	–
DFR System (Dynamic Feed Roll)	○	○	○	●
Harvest Suite™ Ultra Cab - glass area (m²)	6.3	6.3	6.3	6.3
LED lighting pack	●	●	●	●
LED long distance lights	●	●	●	●
Leather trimmed heated air-suspension seat with Active Ventilation	●	●	●	●
Instructor seat	●	●	●	●
Leather Steering wheel	●	●	●	●
CommandGrip™ handle	●	●	●	●
IntelliView™ IV monitor with adjustable position	●	●	●	●
2nd IntelliView™ IV monitor	○	○	○	○
Wide Angle Shatterproof Mirrors	●	●	●	●
3 viewing cameras	○	○	○	○
ACS (Automatic Crop Settings)	●	●	●	●
Air-conditioning and coolbox	●	●	●	●
Automatic climate control	●	●	●	●
Removable refrigerator	●	●	●	●
MP3 Bluetooth radio (hands free phone calls)	●	●	●	●
4 speaker system	●	●	●	●
Optimum cab noise level - ISO 5131 (dB(A))	73	●	●	●
New Holland Precision Land Management Systems (PLM)				
Guidance systems				
IntelliSteer® ready automatic guidance system	●	●	●	●
IntelliCruise™ system	○	○	○	○
Precision farming				
Yield measuring and moisture measuring	●	●	●	●
Full Precision farming package including:				
Yield measuring and moisture measuring	●	●	●	●
Desktop software and software support service	●	●	●	●
Twin Rotor™ Technology - 40 Years				
Twin Pitch rotors	–	○	○	○
S³ rotors	●	●	●	●
Rotor diameter (mm)	432	559	559	559
Rotor length (mm)	2638	2638	2638	2638
Length of auger section (mm)	390	390	390	390
Length of threshing section (mm)	739	739	739	739
Length of separation section (mm)	1090	1090	1090	1090
Length of discharge section (mm)	419	419	419	419
Fixed rotor vanes	●	●	●	●
Adjustable rotor vanes	○	○	○	○
Threshing concaves: Wrap angle (°)	86	84	84	84
Wrap angle with extension (°)	121	123	123	123
Separation concaves: Separation grates per rotor	3	3	3	3
Wrap angle (°)	148	148	148	148
Electric adjustment	●	●	●	●
Beater				
Width (mm)	1300	1560	1560	1560
Diameter (mm)	400	400	400	400
Beater concave wrap angle (°)	54	54	54	54
Total threshing and separation area (m²)	2.43	3.06	3.06	3.06
Cleaning				
Self-levelling cleaning shoe	●	●	●	●
Pre-cleaning system	●	●	●	●
Opti-Clean™ cleaning system	●	●	●	●
Total sieve area under wind control (m²)	5.4	6.5	6.5	6.5
Remote control sieve setting	●	●	●	●

MODELS	CR7.90	CR8.90	CR9.90	CR10.90
Cleaning fan				
Number of blades	6	6	6	6
Variable speed range (rpm)	200 - 1050	200 - 1050	200 - 1050	200 - 1050
Double outlet fan	●	●	●	●
Electrical speed adjustment from the cab	●	●	●	●
Return system				
Double Roto-thresher™ system	●	●	●	●
Returns indication on IntelliView™ IV monitor	●	●	●	●
Grain elevator				
High capacity grain elevator with heavy duty chain and flaps	●	●	●	●
Grain tank				
Standard grain tank capacity (l)	11500	12333	14500	14500
Central filling, folding bubble-up extension	●	●	●	●
Unloading auger				
Overtop unloading	●	●	●	●
Unloading speed standard (l/sec.)	126	126	142	142
Grain sample inspection door	●	●	●	●
Grain tank fill warning device	●	●	●	●
Unloading auger swivel reach (°)	105	105	105	105
Extra long folding unloading tube	NA	NA	●	●
Pivoting spout system	NA	NA	●	●
Electrical				
12 volt alternator (Amps)	190	190	190	190
Battery capacity (CCA / Ah)	730 / 2 x 107	730 / 2 x 107	730 / 2 x 107	730 / 2 x 107
Engine				
FPT Cursor 9*	FPT Cursor 10*	FPT Cursor 13*	FPT Cursor 16*	
Compliant with engine emissions regulations	Tier 4A / Stage 3B	Tier 4A / Stage 3B	Tier 4A / Stage 3B	Tier 4B / Stage 4
Capacity (cm³)	8700	10300	12900	15927
ECOBlue™ SCR system (Selective Catalytic Reduction) (l)	●	●	●	●
Injection system Common Rail Unit injectors Unit injectors	Unit injectors Common Rail	Unit injectors	Unit injectors	Unit injectors Common Rail
Gross engine power @ 2100 rpm - ISO TR14396 - ECE R120 [kW/hp(CV)]	300 / 408	330 / 449	390 / 530	440 / 598
Maximum engine power @ 2000 rpm - ISO TR14396 - ECE R120 [kW/hp(CV)]	330 / 449	360 / 490	420 / 571	480 / 653
Approved biodiesel blend**	B20	B20	B20	B7
Electronic governor type	●	●	●	●
Fuel consumption measuring and read-out on IntelliView™ IV monitor	●	●	●	●
Air compressor	○	○	○	○
Engine blow off system	○	○	○	○
Fuel tank				
Diesel capacity (l)	750	1000	1300	1300
AdBlue capacity (l)	120	120	120	120
Transmission				
Hydrostatic	●	●	●	●
Gearbox	4-speed	4-speed	4-speed	4-speed
Remote gearshifting	●	●	●	●
Differential lock	●	●	●	●
Powered rear wheels	○	○	○	○
Maximum speed standard (depending on traction system) (kph)	40	40	40	40
SmartTrax™ rubber track system	–	○	○	–
SmartTrax™ rubber tracks with Terraglide™ suspension	–	○	○	○
Residue management				
Integrated straw chopper	●	●	●	●
PSD™ (Positive Straw Discharge) belt	○	○	○	○
Chaff spreader	●	●	●	●
Opti-Spread™ residue management	–	○	○	○
Weight				
Standard version on tyres, less header and less strawchopper (kg)	17769	19180	20067	24667***

● Standard ○ Optional – Not available
 * Developed by FPT Industrial ** Biodiesel blend must fully comply with the latest fuel specification EN14214:2009 and operation is in accordance with operator manual guidelines
 *** When fitted with 24" SmartTrax with Terraglide suspension

MODEL DIMENSIONS	CR7.90 (A)	CR8.90	CR9.90/ CR10.90
Configuration with Tracks/Tyres	Tyres	Tyres	SmartTrax w/- Terraglide
Size	900 / 60 R38	900 / 60 R38	28.5'
Ground Contact Area(m²)	NA	NA	1.77
Maximum height in transport position (m)	3.9	3.97	3.99
Maximum transport width (m)	3.63	3.87	3.71
Maximum length without foldable unloading tube (no header fitted) (B)	9.97	9.97	9.97
Maximum length with foldable unloading tube (no header fitted) (C)	NA	NA	9.04

(A) SmartTrax not available on CR7.90 (B) With extension (C) Transport with out extension, with spout

NEW HOLLAND. A REAL SPECIALIST IN YOUR AGRICULTURAL BUSINESS.



AT YOUR OWN DEALER



YOUR SUCCESS – OUR SPECIALTY

Visit our web site at: www.newholland.com - tel: +61 2 9673 7777
31-53 Kurrajong Road, St Marys NSW 2760



Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

The data indicated in this folder are approximate. The models described here can be subjected to modifications without any notice by the manufacturer. The drawings and photos may refer to equipment that is either optional or intended for other countries. Please apply to our Sales Network for any further information. Published by New Holland Brand Communications. - Printed in Australia - 14AUSCR002 12/14