

HP 500 | MF9280

The NEW MF 9280 DELTA Hybrid Combine Harvester



VISION INNOVATION LEADERSHIP QUALITY RELIABILITY SUPPORT PRIDE COMMITMENT



MASSEY FERGUSON

Welcome back



At Massey Ferguson we understand that every single customer is different when it comes to harvesting and that you have specific needs and aspirations to make your business run smoothly and to its full potential. Years of research, development and pure hard work have produced a machine of ground-breaking possibilities, built purely to secure the future of your business. Welcome back to a new era in harvesting.



DELTA

A new era in harvest management



"The Massey Ferguson 9280 DELTA combine harvester is the latest, albeit big, step on the way to fulfilling my commitment to our loyal customers, distributors, dealers and staff."

A message from Martin Richenhagen, AGCO Chairman, President and CEO

Five years ago I pledged that AGCO, the company I head, would deploy all the resources necessary to become a world leader in harvesting technology. The Massey Ferguson 9280 DELTA combine harvester is the latest, albeit big, step on the way to fulfilling my commitment to our loyal customers, distributors, dealers and staff.

AGCO is one of the largest manufacturers of agricultural machinery in the world and it leads in many markets across the globe. We are also focused solely on farm machinery – we don't make anything else.

This new harvester is the latest product of AGCO's huge investment in research and development and results from our ability to harness the unrivalled design and manufacturing expertise of our global Centres of Excellence to provide new equipment to improve your profitability.

Indeed, the exciting new MF 9280 DELTA combine exemplifies our mission of providing 'profitable growth through superior customer service, innovation, quality and commitment.' This new combine is a substantial development in harvesting performance and takes the lead for us in terms of harvesting capacity, efficiency and economy.

The MF 9280 DELTA merges AGCO's unparalleled experience in conventional drum and concave threshing with our rotary separation expertise and it is packed with best in

class innovations. It is the first in the world, for example, to feature innovative Selective Catalytic Reduction (SCR) engine technology. This not only provides the cleanest exhaust emissions, it also allows users to benefit from significant fuel savings. The novel HyPerforma Threshing and Separation Technology, with its completely new and highly efficient Twin Hi-Separation rotors offers further gains in productivity and economy.

The industry-leading designs on the MF 9280 DELTA are matched only by the quality of engineering provided by Europe's most modern and efficient production facility in Breganze, Northern Italy. AGCO has acquired a substantial stake in this factory, making this significant investment specifically to support our strategic aim of taking a leading position in the European harvesting business.

Breganze is also home to the recently introduced ACTIVA, BETA and CENTORA combine ranges. Now producing the new flagship DELTA combines, the factory is truly a Centre of Excellence for this formidable harvesting force.



**MACHINE
OF THE YEAR 2010**



PowerFlow®

Making the harvest easier and more profitable since 1976. The Massey Ferguson PowerFlow® table is as unique today as it was when we first invented it. And still as popular.

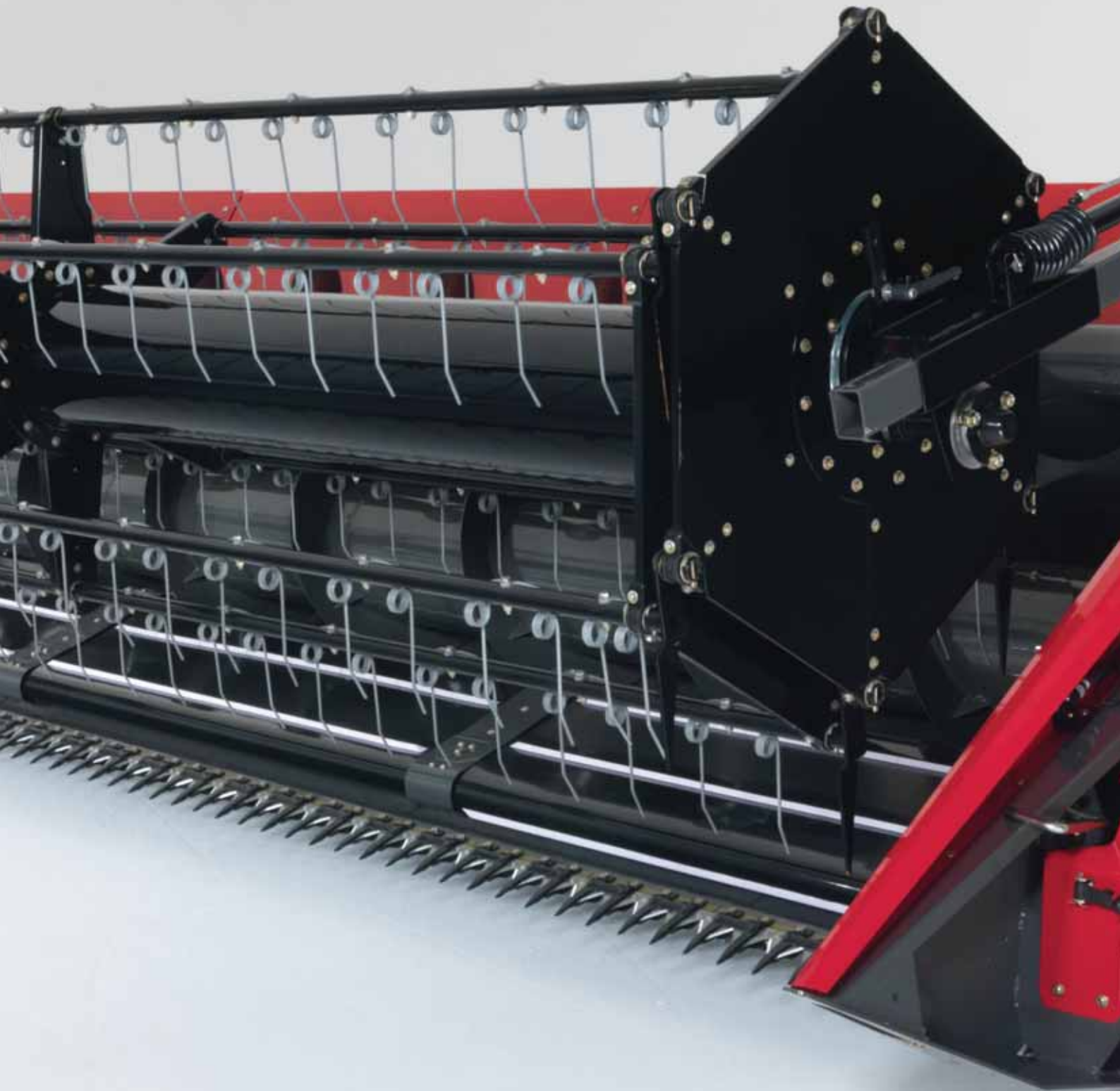


Alan Haines, Sales Support Specialist for Massey Ferguson Harvesting, UK, talks us through the key points of the PowerFlow header.

"PowerFlow® is simply the most efficient cutting table available on any combine harvester."

"Its two key features of massive knife-to-auger clearance and powered conveyer belts combine to give head-first, even feed into the machine. A simple process that makes an outstanding impact and works with all crops, in all conditions."

- The lightweight yet solid construction is durable and long-lasting
- Perfect, even feed first time improves threshing, securing a good quality sample and increased separation will result in higher output
- The driver is guaranteed an excellent view of the crop and the full width of the table making it less stressful to operate
- Any stones picked up during harvesting will be deflected away from the table by the belts, resulting in lower running costs



In control with PowerFlow

With PowerFlow you can specify the following control systems:

Pre-set cutting height for effortless headland turns

Just one click to lower the table to your pre-set height, which also incorporates two additional height settings for precision cutting. Double clicking will raise the table for perfect headland turns.

Cutting height control

Continuously adjusts the cutting height as you harvest across the field for even stubble height.

Field pressure control

Allows the table to follow the ground contour giving the lowest possible cutting height for laid crops or peas, beans and grass seeds, without the risk of "bulldozing" the soil. Field pressure control allows you to speed up your harvesting in difficult conditions with confidence.

Auto Level table

Continuously adjusts the table left and right to ensure you follow the contours of the field. Sloping ground or uneven fields are no obstacle to achieving maximum output.

Auto reel speed

Adjusts reel speed to ensure your selected 'forward speed to reel speed ratio' is maintained as you harvest.

Schumacher knife system

With the most efficient table you need a top performing knife. PowerFlow tables are fitted with the Schumacher system offering high performance, high speed cutting knives with double supported durable fingers. The 'under and over' cutting process gives quality cutting in all conditions.

Oilseed rape auger

An optional rape auger can be fitted which increases performance in tall crops. The hydraulically driven auger is mounted above the standard auger. It allows forward speed to be increased markedly, making oilseed rape harvest extremely quick compared to normal headers increasing output and margins..

Folding dividers can be mounted for quick turnarounds and safety. Easily fitted crop lifters can be installed from their own storage position on the table when required.

01 PowerFlow auger

02 High capacity rape auger

03 High performance Schumacher knife

04 Folding dividers

05 Multi-coupler

06 Easy access to drives



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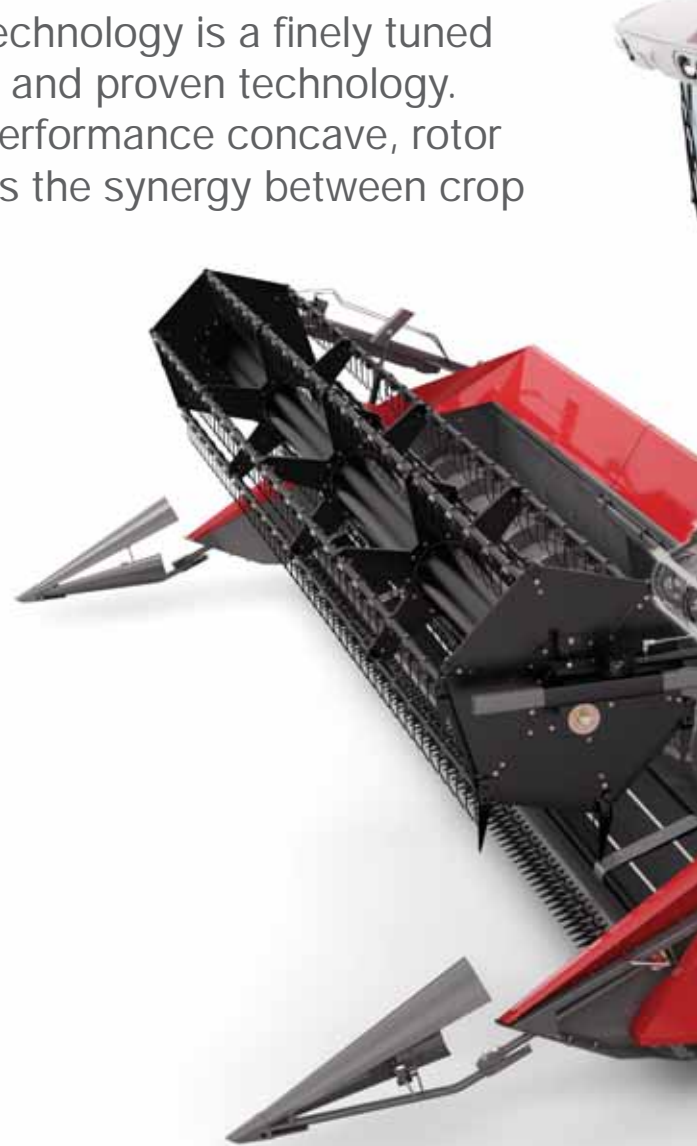


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HyPerforma Threshing & Separation Technology

The Massey Ferguson HyPerforma Technology is a finely tuned combination of precision engineering and proven technology. The Hi-Inertia threshing system, Hi-Performance concave, rotor feeder and Hi-Separation rotors forms the synergy between crop and combine.



Today's modern farming continues to be a challenge. Larger areas to combine and quotas to fulfill as well as the occasional race against the elements means that you need a machine that you can rely on in order to meet that small window of opportunity during the harvesting season.

Jakob Bro Sorensen, Manager for European Combine Engineering spearheaded the project with colleagues in four different countries, from the first weeks of research and design, through to testing and finally

the manufacture of Massey Ferguson's first hybrid Combine Harvester. Here he talks us through the process behind the formation of the HyPerforma Threshing Technology.

"The Hyperforma Threshing system has been developed and tested in controlled lab systems to ensure the highest possible material throughput and afterwards confirmed in real 1:1 field testing. We were able to get the power consumption down to a very low level by fine tuning the conversion from tangential



separation to axial separation with a large receiving zone at the front of the rotors together with the rotor feeder's high volumetric capacity."

"The 40mm threshing concave opening is exceptionally useful, especially in rape seed where the machine is really able to process large quantities without damaging the straw.

The essential thing about the Hybrid concept is to thresh and separate the grain from the straw so that it falls through the separation grates and into the cleaning shoe, retaining an excellent straw quality."

"The large, 475mm diameter rotors with spiral pattern fingers provide a gentle grain separation and have remarkable 'separation efficiency' even at low speeds."

"The intention with the design of the rotor and rotor housing has been to create a system that is universal and demanding no changes between different crops. The only variable in the rotor system is the speed of the rotors.

That makes it very easy for the farmer to switch between crops. Machine changes have to be kept to a minimum to allow the operator to spend as much time and effort on harvesting rather than changing configurations."

HyPerforma Threshing & 5.44m² Total S

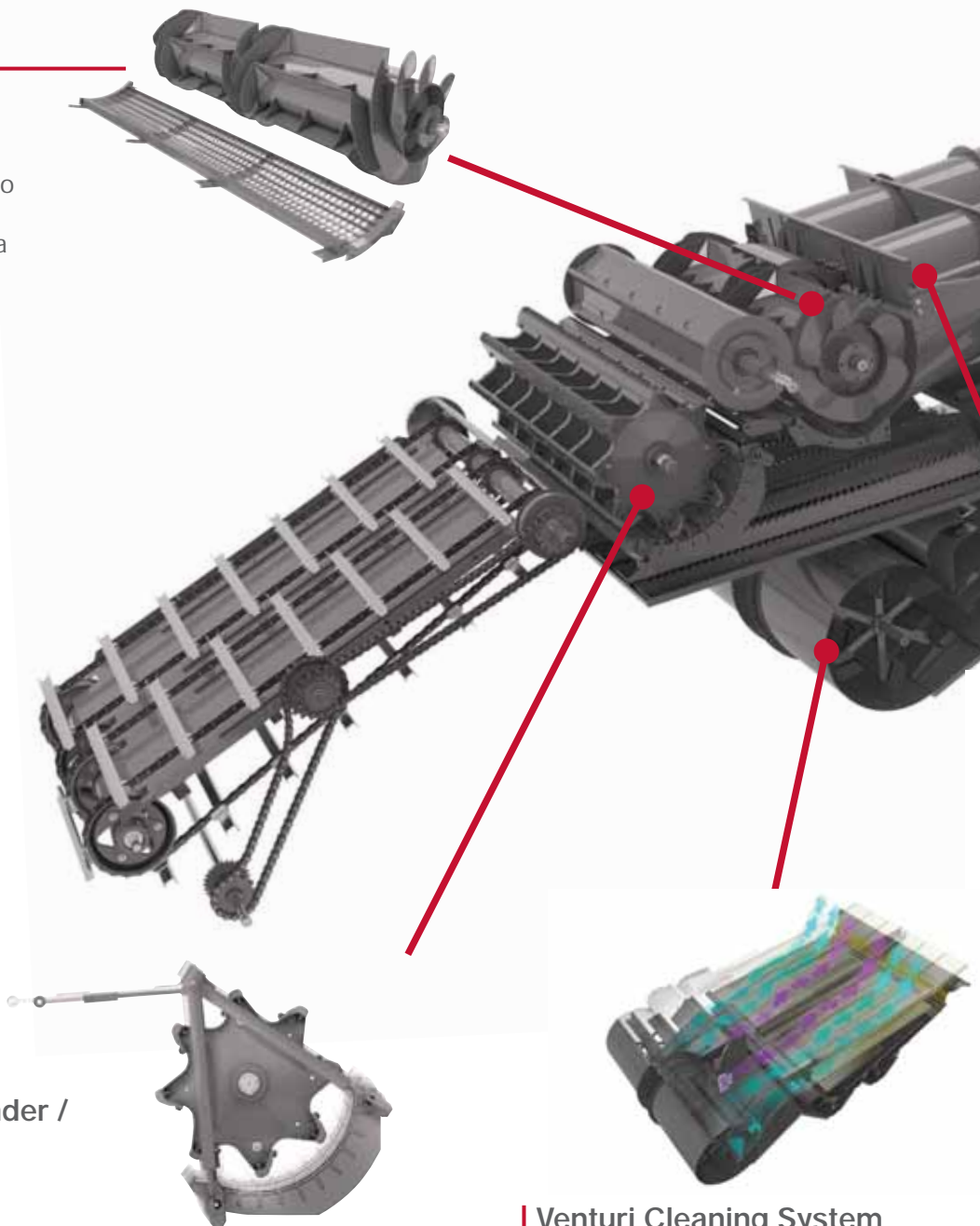
Rotor Feeder / Rotor Feeder Concave

Proven Technology:

- Large 500 mm diameter rotor
- Ensures smooth transition of crop from the threshing unit into the Hi-Separation rotors
- A total of 1.9m² separation area is available before the Hi-Separation rotors

Proven Results

- Efficient drive system
- Has a low power requirement
- Provides extra separation area



Hi-Inertia Threshing Cylinder / Hi-Performance Concave

Proven Technology:

- Heavy Duty Construction Drum & Concave
- True "Hi-Inertia Drum" (Flywheel effect)
- Concave area 1.18m²
- Concave wrap 117.5°
- Able to open from 0 mm to 40 mm

Proven Results

- High threshing capacity
- High separation percentage
- High productivity
- Promotes excellent grain quality
- Low power and fuel consumption

Venturi Cleaning System

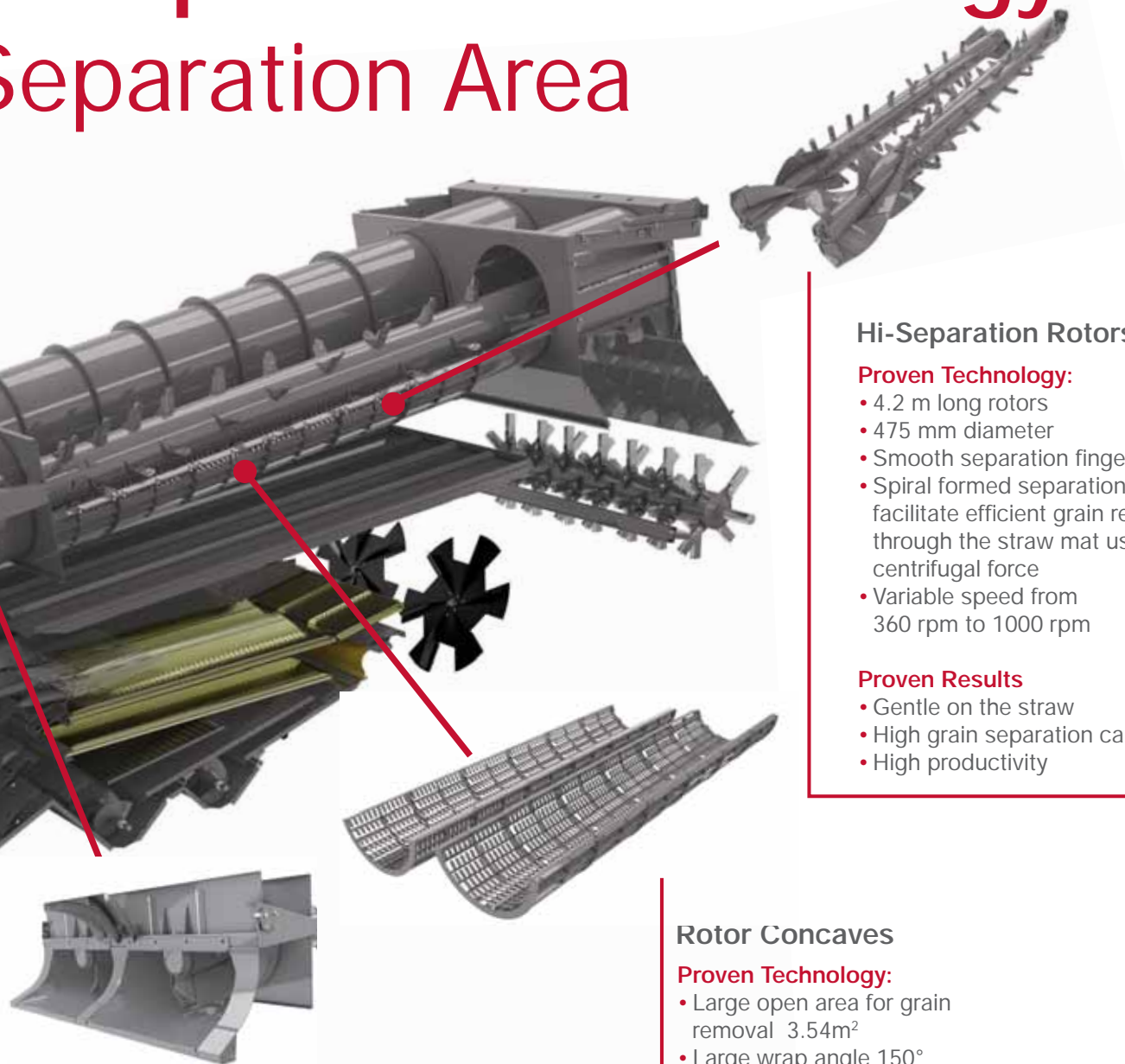
Proven Technology:

- Unique design increases airflow pressure in the centre of the cleaning system
- The system creates an optimised airflow across 100% of the sieves surface

Proven Results

- Reduces grain losses
- Promotes excellent grain quality
- Increases output and productivity thanks to its highly-efficient design

& Separation Technology: Separation Area



Hi-Separation Rotors

Proven Technology:

- 4.2 m long rotors
- 475 mm diameter
- Smooth separation fingers
- Spiral formed separation fingers facilitate efficient grain removal through the straw mat using centrifugal force
- Variable speed from 360 rpm to 1000 rpm

Proven Results

- Gentle on the straw
- High grain separation capacity
- High productivity

Loading Bay

Proven Technology:

- Delivers material into the Hi-Separation rotors from the rotor feeder
- Deep and wide rotor inlet for maximum crop throughput

Proven Results

- Creates a smooth crop flow into the Hi-Separation rotors
- Maximises material flow in heavy crop conditions
- Reduces power and fuel consumption

Rotor Concaves

Proven Technology:

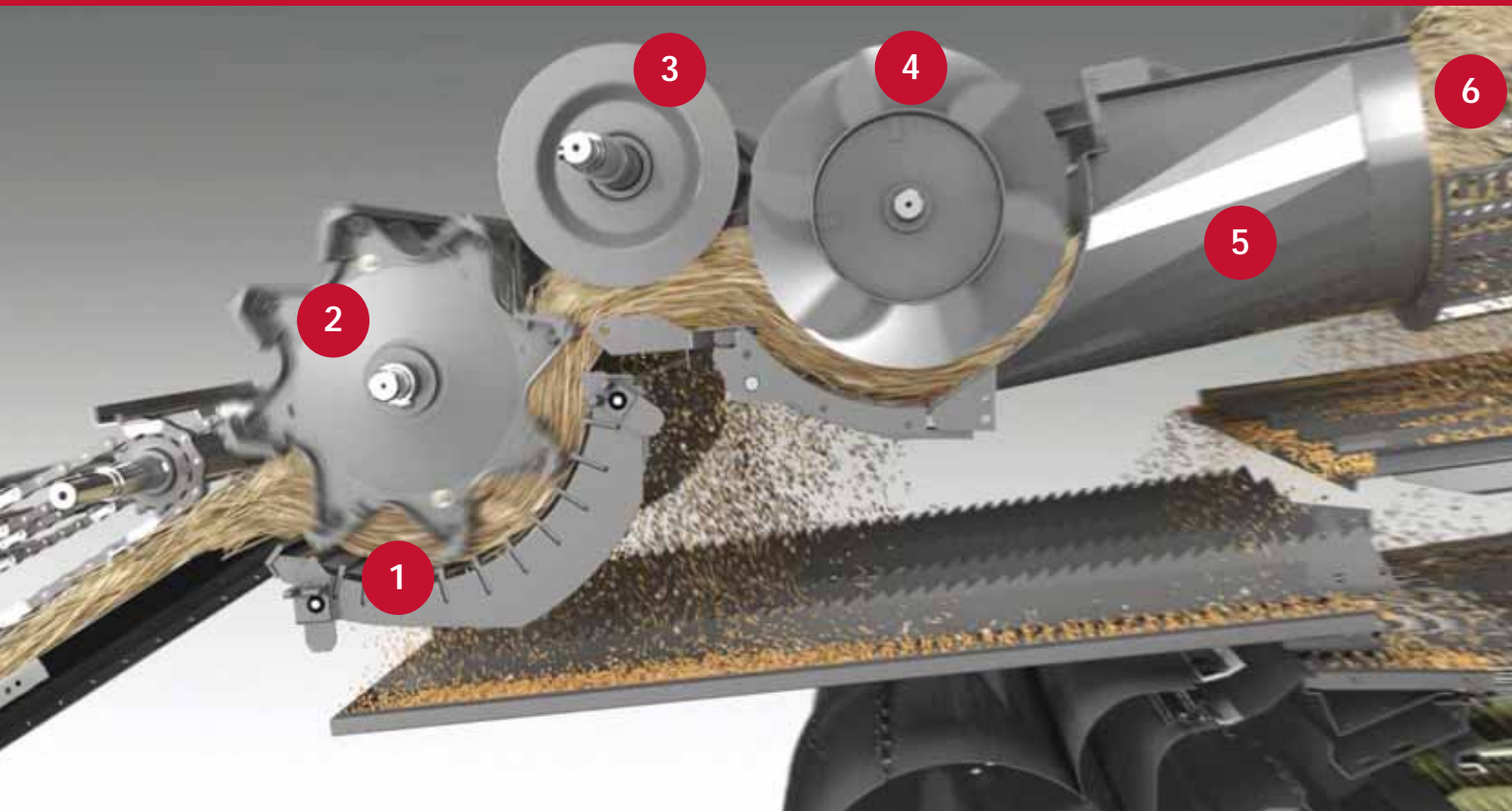
- Large open area for grain removal 3.54m²
- Large wrap angle 150°
- Smooth concave design

Proven Results

- Low crop resistance
- Promotes low straw damage for good bale quality
- High separation capacity

Cropflow & Threshing

Proven threshing technology ensures a smooth transition during this critical point in the crop flow.



Hyperforma System - Crop Flow

- Crop is taken from the main elevator into the Hi-Performance Concave (1) and Hi-Inertia Threshing Cylinder (2).
- Crop then flows under the Rear Beater where it is passed (3) into the Rotor Feeder (4).
- The Rotor Feeder then splits the crop and feeds consistently high amounts of material into the large loading bay (5).

Hi-Inertia Threshing Drum and Drive Belts

The Hi-Inertia threshing drum has heavy-duty backing bars which creates weight on the outside of the drum, forming an inertial, flywheel effect. This effect ensures consistent speed - even in undulating loads, maintaining high-output with high productivity.

Robust belts which are able to withstand heavy material loading from the threshing drum. These one-piece, heavy-duty belts have a longer working life which reduces downtime and extra servicing.

Hi-Performance Concave

Meeting the increasing demand for intensive output and higher yields is simple. We have taken the proven design of the Hi-Performance concave and combined it with new drum technology and introduced it on all MF DELTA machines.

This productivity boosting concave design has been created to produce excellent grain samples and return high grain separation. Concave clearance can be adjusted to a full 40mm to allow for high volumes of material to pass through. This is particularly effective in oilseed rape, where it becomes easier to thresh and produces an excellent sample, and in wheat, where overthreshing is prevented and separation is higher.

Pre-Threshing Rub Bar

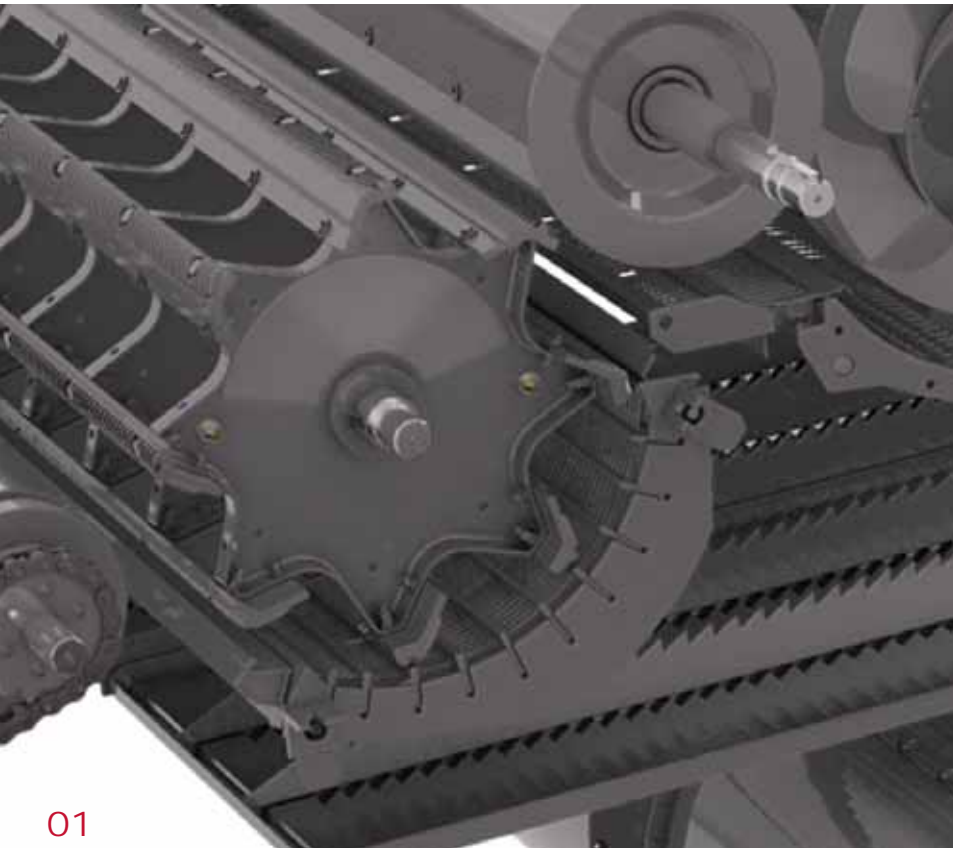
The solid construction of the Pre-rub threshing bar ensures a smooth, even and clean feed into the concave. The rub bar threshes the crop before it enters the concave so grain is released sooner, improving the sample and producing higher-output.

01 Hi-Inertia threshing drum

02 Heavy-duty drive system

03 Hi-Performance concave

04 Pre-Threshing rub bar



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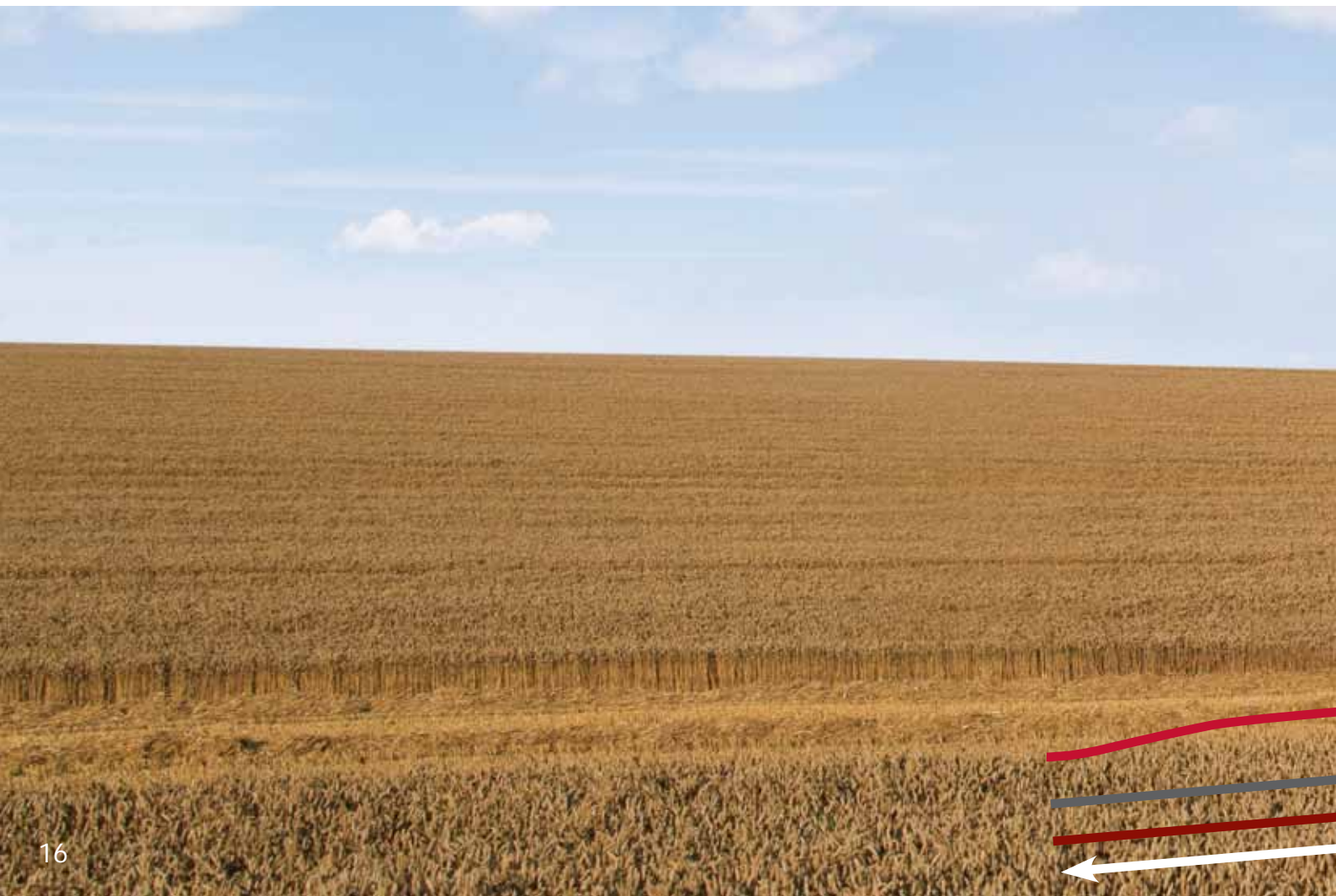
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Maximise output all day long with Constant Flow

Constant Flow is a simple yet effective way to obtain high levels of productivity and output.



Increasing output dramatically

The key to increased output is to keep the combine fully loaded. When the crop thins, the combine needs more material to keep it running at 100% capacity.

To operate Constant Flow just engage via the Datavision screen.

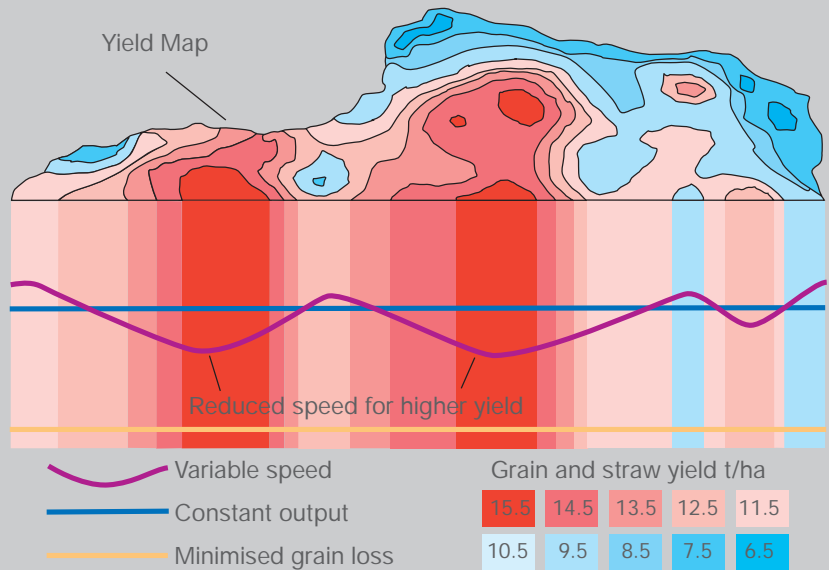
Sensors mounted within the threshing drive system continuously measure the load of crop passing through the drive and concave.

Constant flow gives continual crop feed by automatically adjusting the forward speed in relation to the amount of material passing through; monitoring the machines performance at the front to reduce losses at the rear. This maintains optimum productivity even in the toughest crop. Output can be increased by up to 15% in a wide variety of crops with lower losses.

The yield map opposite shows how forward speed is automatically adjusted in relation to the output of material passing through the machine. Grain loss is at a minimum.

Reaping the benefits with Constant Flow

- Constant Flow ensures the machine is fully loaded at all times during harvesting
- Ensures optimum output - More grain harvested per day
- Reduces losses by ensuring maximum throughput
- Produces cleaner grain samples
- Less operational effort needed
- Reduces operator fatigue



FORWARD SPEED
CROP LOAD
LOSSES

Protecting your crop, every step of the way

This is where your crop begins its journey to true productivity. A massive 500mm in diameter rotor and wide inlet loading bay ensure total crop-flow efficiency and gentle handling through to the Hi-Separation rotors.

The rotor feeder ensures smooth and consistent transition of the crop from the threshing unit to the Hi-Separation rotors.

The large diameter rotor feeder creates a flywheel action, forcing the grain to the outside of the rotor. In turn, this force splits the crop and sends it effortlessly through to the two rotors.

The belt input drive for this rotor is highly productive, providing 98% efficiency so the force required to place the crop in the loading bay is lowered, reducing the need for extra power whilst minimising fuel consumption.

A separation grate fitted below the feeder releases grain that has been pushed outward by the centrifugal force of the rotor, improving grain separation and maximising output. This grate ensures that maximum grain removal is achieved from the HyPerforma system before the crop reaches the Hi-Separation rotors.

Massive potential for separation begins here; from the first point of contact with the main concave to the end of the separation grate. The three concaves offer an impressive 1.9m² of separation area. The grate has a large wrap angle of 53°, which removes the highest amount of grain possible.

Thanks to the overall design of the rotor feeder, even the toughest crop will flow through the machine effortlessly, using less power and fuel whilst maximising productivity.

Loading bay

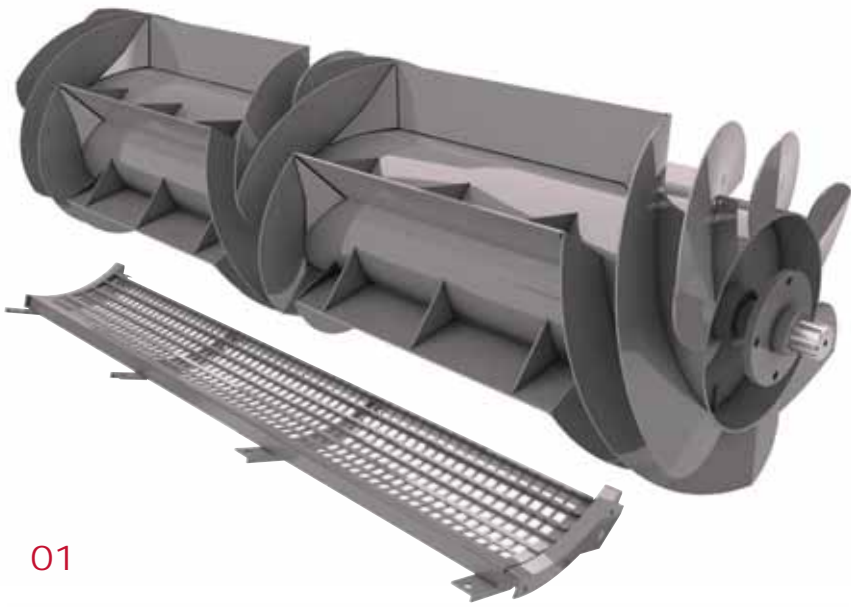
This unique, large entry area maximises material throughput and efficiency by accommodating a massive volume of material. Crop flows from the rotor feeder through to the loading bay and then onto the Hi-Separation rotors without restriction or the use of extra power.

01 The 500mm rotor feeder and separation grate

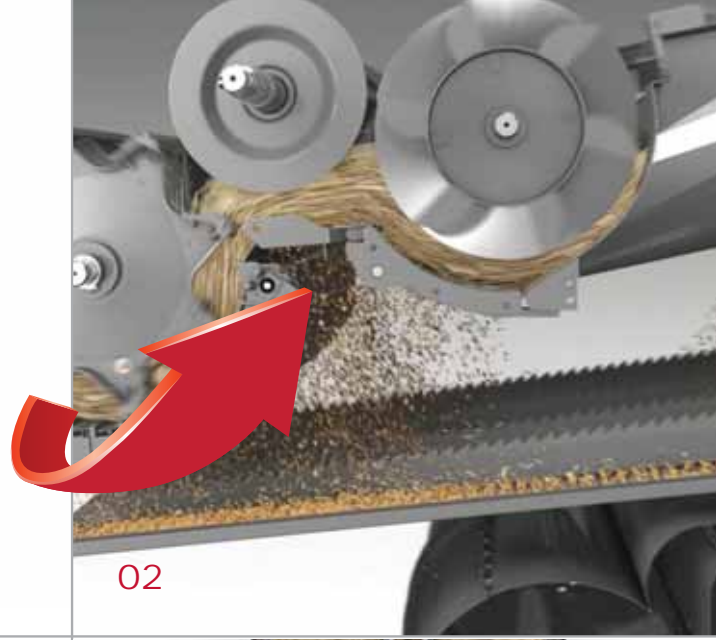
02 Crop travels smoothly through the rotor feeder to the two Hi-Separation rotors

03 Wide-inlet loading bay

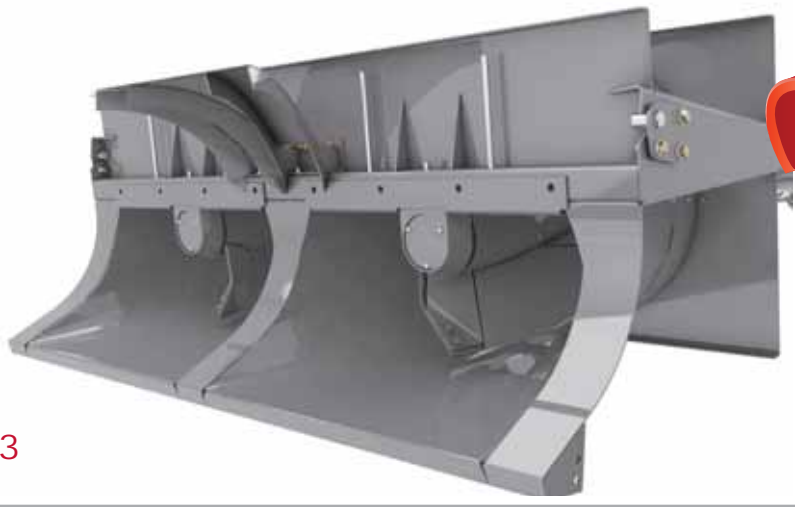
04 View of loading bay feeding through to the two Hi-Separation rotors



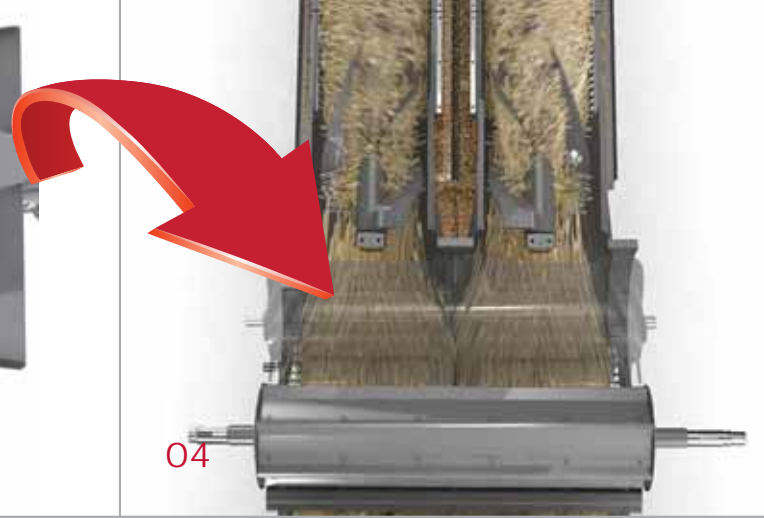
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New dimensions

4.2m in length, 475mm in diameter. The Hi-Separation Rotor System from Massey Ferguson holds the key to precision harvesting with its class-leading dimensions.

Massey Ferguson has over thirty years of experience with rotary technology so it comes as no surprise that we now have the largest, most efficient Twin Rotor Separation System on the market today. Using proven design and technology which allows you to achieve maximum grain separation with minimal straw damage, the clever structure of both rotors pushes the crop evenly along the entire length.

Intelligent rotor design

The contra-directional rotors with their spiral-auger design pull the crop in and then drive it to the outside with centrifugal force. This means more crop can pass through at a consistently high capacity, with no blockages and at a much higher output than normal conventional or rotary combines.

Specially designed separation fingers are placed in a spiral formation along the length of both rotors to assist the movement of the crop. These fingers are angled specifically to reduce straw damage and ensure high grain separation.

The speed of the rotors can be adjusted to lower speeds in delicate crops such as beans, peas and oilseed rape.

Concave Separation Grates

The design of the concave separation grates underneath the twin rotors ensures easy throughput low crop resistance and prevents straw damage.

The grates have a uniquely smooth surface with a special 'finger-type' design ensuring maximum grain removal without damaging the crop. The design of these grates allows for maximum grain removal and prevents straw entering the cleaning system.

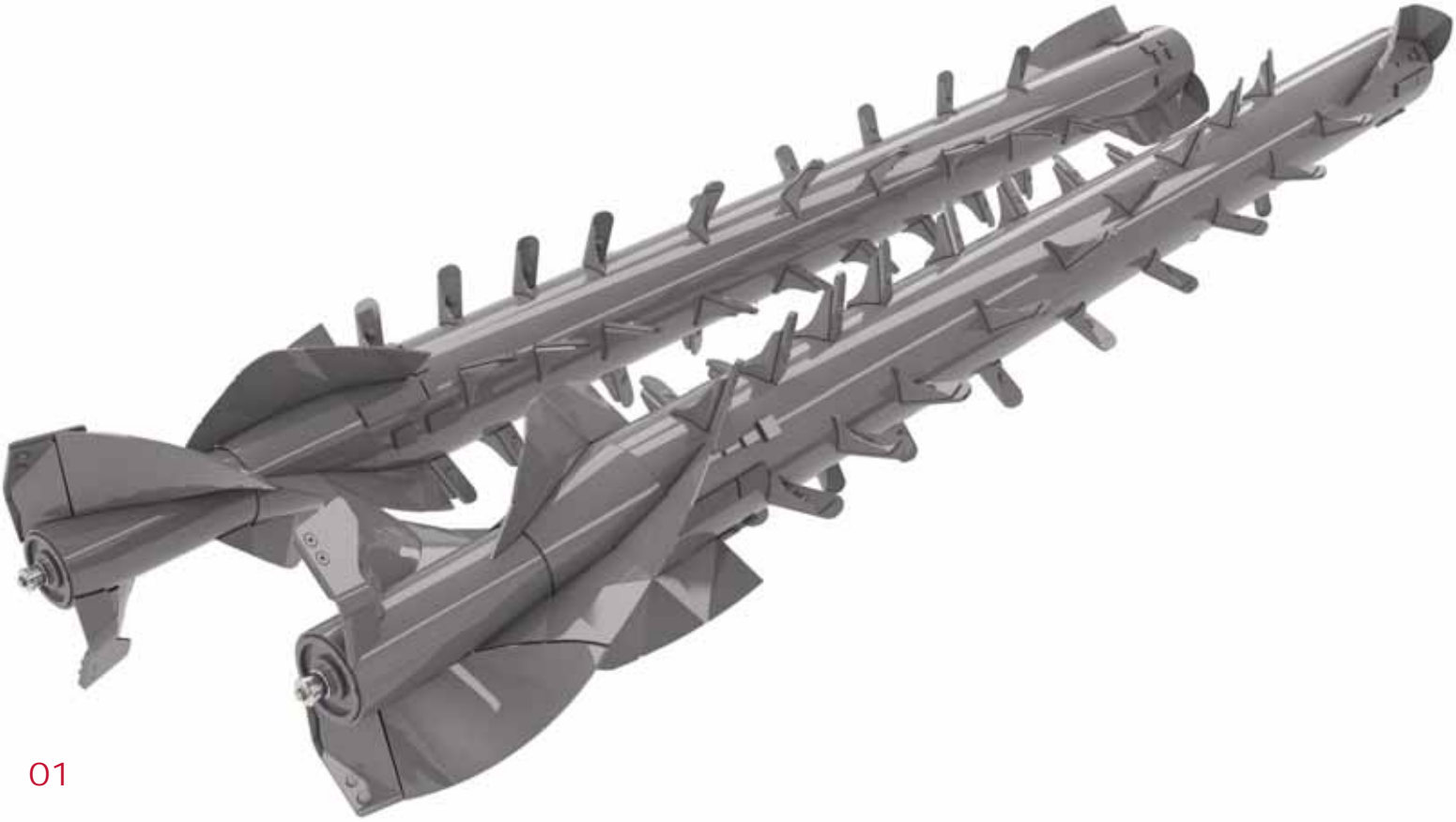
Benefits of Twin Rotor technology

- 'Finger-type' surface provides smooth, even crop flow
- Low crop resistance
- Minimal crop damage
- Anti-blockage design means less material enters the cleaning system
- High-quality straw and grain sample
- No need for blanking plates
- Overall design increases productivity and efficiency
- Straw swath is positioned at an even density for high capacity baling

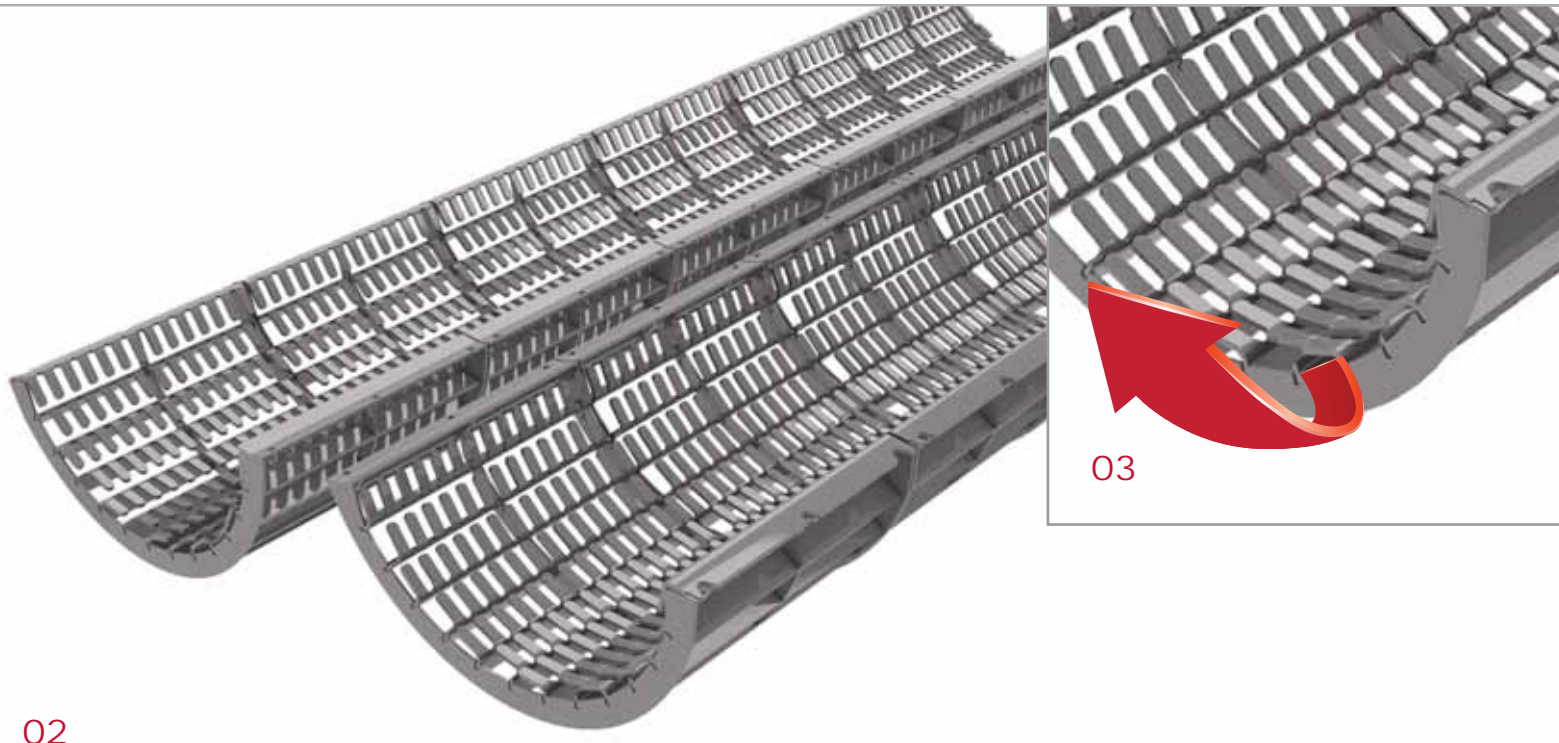
01 Hi-Separation twin rotors with separation fingers

02 Concave separation grates

03 Crop flow direction prevents blockage and increases productivity without loss



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The science behind a clean grain sample

Experience an exceptionally clean grain sample and keep losses to a minimum with the unique Venturi Cleaning System from Massey Ferguson.



The Venturi Cleaning System delivers high levels of cleaning performance to achieve excellent grain samples whilst losses remain at a minimum. The system creates an optimised airflow across 100% of the sieves surface.

The aerodynamically designed air inlets situated in the middle of the fan housing create a “venturi” effect, raising the air velocity which allows the system to cope with the large amount of material passing through the threshing and

separation system, separating the grain cleanly and efficiently away from chaff and dust. Increased pressurisation from the airflow underneath the sieves enables larger volumes of material to be lifted, separated and cleaned.

Benefits of the Venturi Cleaning System

- Unique design increases airflow pressure in the centre of the cleaning system
- Boosts cleaning potential
- Increased pressurisation

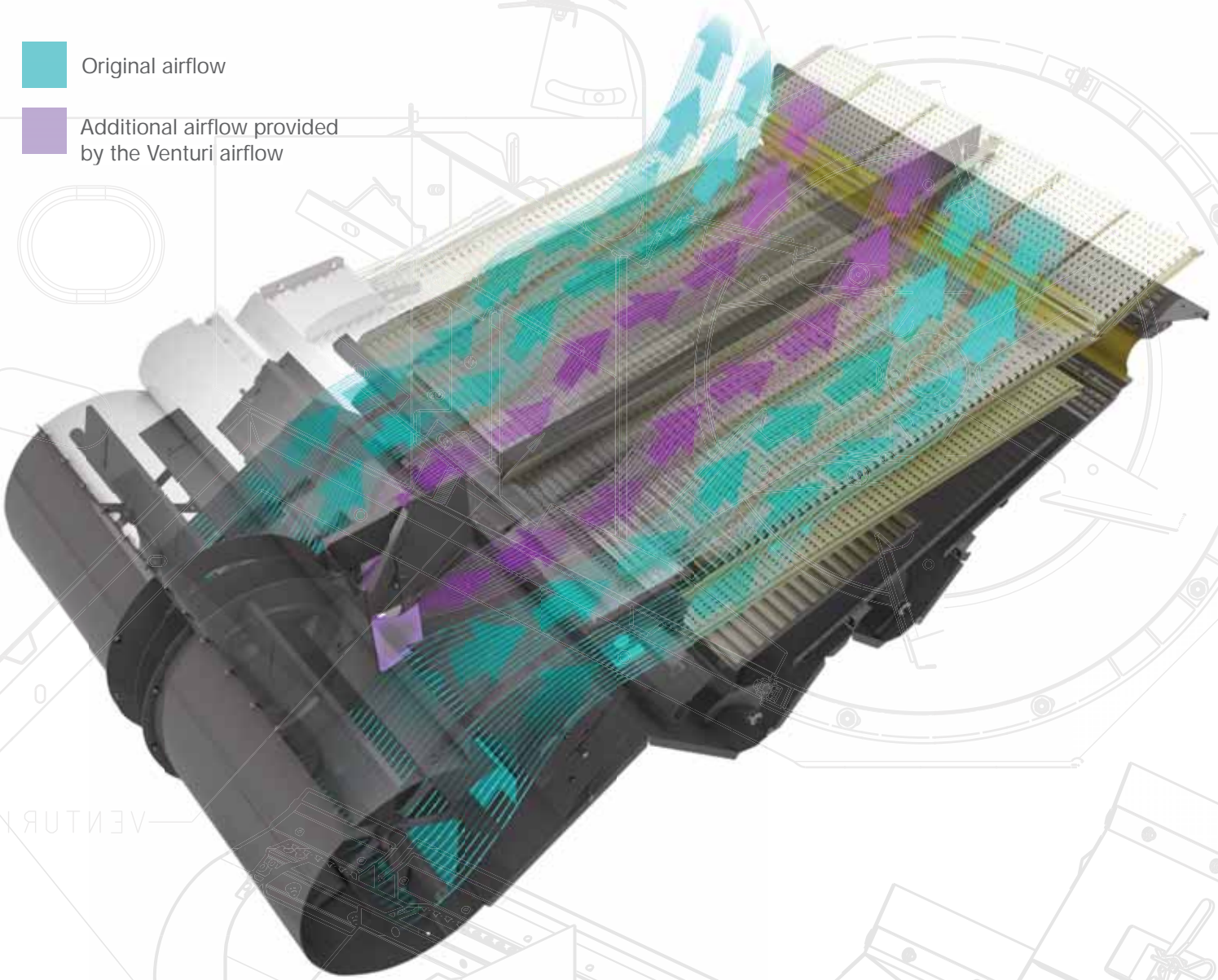
- Reduces grain losses
- Increases clean grain sample quality
- Increases output and productivity thanks to its highly-efficient design



Original airflow



Additional airflow provided by the Venturi airflow



Thomas Bojsen, Test engineer and shop foreman for the MF DELTA combine, explains the concept behind the Venturi Cleaning System

“Based upon the simple and highly effective fan on the MF 7200 Series CENTORA combine, we were able to take the design one step further to develop the new Venturi Cleaning System.

Any Combine with a fan, and especially in sections, faces the problem of ‘dead or low zones’ in air distribution across the width.”

“The Venturi Cleaning System transforms this “dead zone” into a highly active area by pulling in air from the vacuum created by the Venturi wings.”

“During the testing and development of this system, we realised how perfect our air distribution became without adding any complexity to the design. It’s simple and it works!”

Reaping the benefits with high-output unloading

Time is money when it comes to unloading so don't lose a minute of the most important part of your harvest.

The MF Delta combine is equipped with everything you need to unload your grain efficiently and productively. The Delta boasts a vast grain tank, a high capacity turret design discharge auger and the cab offers an unobstructed view of the unloading operation.

The ultimate in productivity
10,500 and 9,500 litre grain tank capacity means more space for more grain. The flat-land MF 9280 Delta combine has a massive 10,500 litre capacity grain tank whilst the MF 9280 Delta Auto Level machine has an impressive 9,500 litre capacity. The grain tank can accommodate an immense volume ensuring maximum efficiency with less downtime, more output and less operator fatigue.

110 litre per second unloading rate!

The MF Delta has an awesome unloading rate of 110 litres per second. To unload, simply press the foot pedal. The discharge rate can also be electronically controlled from the cab.

Turret system

All DELTA machines have a long spout fitted as standard for precise and fast unloading.

Push button operation returns the spout to the home position once unloading is complete.

Electric grain lids

The electric grain tank lids open easily via the Datavision monitor. They are waterproof and can be closed when it rains and also when combining under trees around the headland.

Always in control

Grain can be inspected easily from the window at the back of the cab. Level sensors can also be monitored through the Datavision screen.

- Full and 3/4 full sensors
- Flashing beacons switch on automatically at 3/4
- Visual and audible warnings alert the operator within the cab when loading is complete
- Grain weight is measured constantly and is visible on the Datavision screen
- The volume of the grain in the tank is shown on the Datavision screen in kg for precise indication of volume



100% in, 100% out

What comes out of your machine is as important as what goes in. The MF 9280 Delta ensures quality output every time with high performance straw chopper and the optional Maxi-Spreader.

Stress-free baling

Thanks to the DELTA's Hyperforma system, straw fed through the machine suffers less damage and is much easier to pick up when swathed. A single lever diverts the straw from the Straw chopper to leave a swath on the ground ready for baling.

The MF 9280 DELTA combine offers an even chop of short straw and now with the new Maxi-Spreader as an option, you get even, controlled spreading every time.

Residue handling – the key to lower incorporation costs

The DELTA range is equipped as standard with the Min-Till Chopper.

The Min-Till Chopper has eight rows of serrated blades, 108 knives and has a faster rotor speed than many standard choppers.

This means the minimum chopped length of the straw is very short. This ensures quick breakdown of the straw which is ideal for No-Till or Min-Till cultivation systems.

The chopper can achieve a spread of up to 9 metres. An additional 'dual chop' bar can be engaged easily for even more aggressive chopping action.

Easy access to the chopper ensures plenty of room for servicing knives.

Electric control of deflectors

Fingertip control from the Datavision screen can reverse the deflector settings when turning at the headland.

The Maxi-Spreader (Optional)

To ensure successful straw decomposition and higher crop yields, the following year, the optional Maxi-Spreader will distribute an even thickness across the entire width of the 9.2m Powerflow header.

The optional Maxi-Spreader consists of two rotating impellers which propel the crop at high speed over a long distance.

The speed of these impellers, 350 - 1000 rpm can be controlled from the Datavision screen. If working in windy conditions, the impellers can be adjusted to compensate against any wind force by regulating the speed.

A splitter deflector sits between the impellers and controls even distribution of material, improving crop breakdown and preventing clumping. The splitter deflector ensures a consistently even spread.

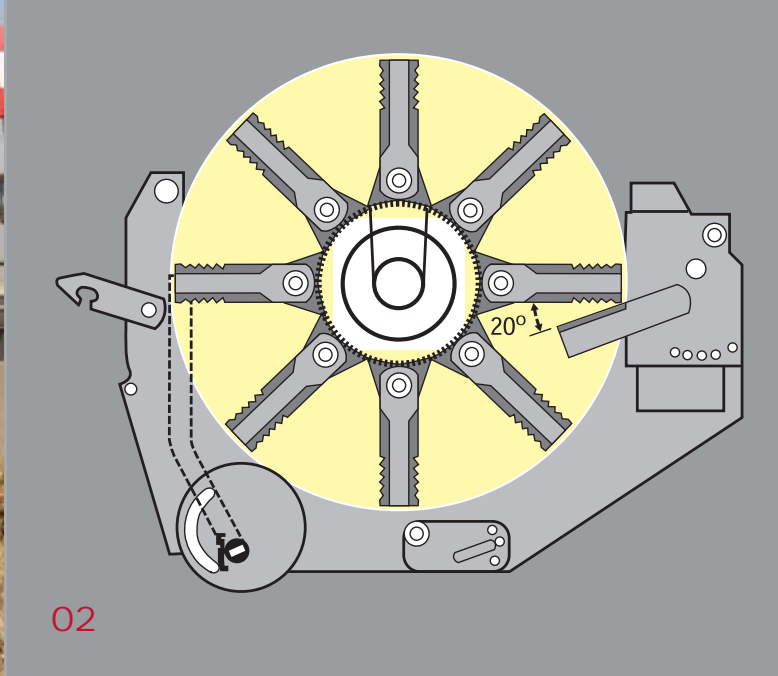
On the move

At the push of a button, the Maxi-Spreader can be raised during transportation. This simple procedure takes seconds and no tools are required.

01 - 02 Min-till straw chopper with additional chop bar

03 Maxi-spreader in work position

04 Maxi-spreader in transport position



Always one step ahead

We understand and recognise our responsibility towards a cleaner future. In response to environmental and economical change we are meeting the expectations of our customers and our dealers, putting us one step ahead when it comes to energy, economy and engine efficiency.

AGCO SISU POWER engines are robust, powerful, durable and the most efficient on the market. The MF 9280 DELTA is the first combine harvester to have the AGCO SISU POWER SCR engine as standard, giving you exceptional fuel efficiency, low noise levels, reduced emissions and increased power density.

AGCO SISU POWER's new generation of 7-cylinder, diesel engines with SCR are optimised to provide the most complete combustion possible. The E³ SCR system enables the engine to be optimised for lowest possible fuel consumption, whilst managing ultralow particulate levels, meeting the Tier III EU emissions legislation.

How it works

Once the exhaust gases leave the engine, all that remains to be done is to reduce the nitrogen oxides. This is done with the help of Selective Catalytic Reduction (SCR). It is an effective and thoroughly tested method of cleaning exhaust gases and a tried and trusted solution which is already being used on our MF 8600 Series flagship tractor range.

A mixture of urea and deionised water known as AdBlue[®] is injected into the exhaust gases. The heat of the exhaust system transforms the urea into ammonia which reacts with the nitrogen oxides in a catalytic converter, converting them into harmless nitrogen gas and water vapour.

Selective Catalytic Reduction can cut fuel consumption by a minimum of 5% compared to equivalent engines using alternative emission reduction systems. On average, this is the equivalent to thousands of litres of fuel saved every year. Reduced fuel consumption means a significant reduction in carbon dioxide (CO₂) emissions. Due to highly optimised combustion, particulate emissions are over 83% lower than current legislation demands. This is exceptionally beneficial for the environment and to people's health. Other gaseous emissions, such as hydrocarbons and carbon monoxide (CO) emissions, are lower than generally in Stage 3A engines, making this engine safe and future proof.

The characteristics of the SCR system means that optimised combustion generates around 15% less heat. This reduction in heat means the cooling package is lighter and more efficient.

The life span of SCR equipment is equal to the engine's lifetime, and the system is practically service free. The operator hardly notices the presence of SCR at all. What the operator will notice however, is the significant savings in operating costs.

Features and Benefits

- 750 litre fuel tank
- 103 litre Adblue tank capacity
- Max power with boost-500hp
- Meets Tier 3B emissions regulations
- Low noise levels
- Proven AGCO SISU POWER technology
- Longer service intervals
- Lower running costs
- Highly fuel efficient





SCR - Frequently asked questions

What is Adblue®?

AdBlue is a urea based diesel exhaust fluid which is injected via the Bosch control system into the exhaust, which includes a catalytic converter.

Where is the Adblue tank located?

AdBlue is kept in a separate tank located next to the fuel tank.

How will SCR improve fuel efficiency?

SCR will fine tune engine efficiency, optimising combustion which significantly improves horsepower and fuel economy.

Where can I purchase Adblue?

AdBlue can be bought from your local Massey Ferguson dealership.

What is the ratio of Adblue to a tank of fuel?

A 600 litre container of AdBlue is enough to treat 20,000 litres of diesel safely whilst still allowing for optimum performance.

How will I know if I my Adblue tank is empty?

A gauge on the Datavision screen gives a visual warning when the tank is low.

Will my combine shut down if my Adblue tank is empty?

Your combine will not shut down but will not work to its full capacity.

Will Adblue stop working under extremely hot temperatures?

No. AdBlue is kept in a sealed container to prevent evaporation.

Urea would have to be exposed for a prolonged period before any degradation could be measurable.

Will Adblue and SCR impair the performance of the machine?

Not at all, in fact it will improve its performance. Optimised combustion generates around 15% less heat, a reduction in heat means the cooling package is lighter and more efficient. The life span of SCR equipment is equal to the engine's lifetime, and the system is practically service free. The operator hardly notices the presence of SCR at all. What the operator will notice however, is the significant savings in operational costs, servicing times and fuel.



Auto Level: King of the field



The MF 9280 Combine is available as an Auto Level machine, where the combine rump levels independently, adjusting for slopes of up to 12%



Ideal when working in steep or hilly conditions. The Auto Level combine follows the contours of the field, enabling the machine to work at maximum efficiency on gradients.

The Auto Level system is controlled and managed through the Datavision screen. This makes seamless adjustments to the machine and table whilst harvesting.

All the internal components are kept level which means they can continue to operate at full productivity. The body of the combine will remain level whilst wheel movement compensates for the slope.

'Whole machine levelling' is more efficient than 'component levelling' as slopes affect the whole threshing and separation process, increasing output and profit.

Comfortably in control

The MF 9280 DELTA combine offers exceptional comfort and serviceability plus you'll feel perfectly at home with straightforward and efficient ergonomics.

Throughout your long working day you'll find that our combine cabs are quiet and vibration-free, allowing you to carry out the harvesting without distraction. Tinted glass and climate control come as standard and electronic controls put everything at your fingertips.

Sitting comfortably?

The standard air suspension seat suits drivers of every shape and size, and the '3D' (tilt, telescopic, incline) steering column, allows the driver to find the perfect working position. There's plenty of leg room too, for long working days. In addition to this there is a convenient upholstered instructor seat.

Perfect visibility - day or night

Twelve, high-powered front work lights as standard ensure round-the-clock productivity, in comfort and safety. The entire cab area has excellent visibility thanks to the panoramic windscreen, giving a uninterrupted view of the header.

Fast, accurate unloading

The operator has a perfect view of the unloader so there's no need to lean forward uncomfortably.

Unloader engagement is protected so that it cannot be switched on accidentally. It can also be locked-on for static unloading.

Complete control

The Multi-function Lever is part of the armrest on the seat, making operating adjustments convenient and easy; like the Datavision screen, it can be adjusted precisely to suit the operator's driving preference. Datavision screens can also be selected from the Multi-function Lever, in addition to extending and closing the unloading auger.

Fast access to all areas

Two daily greasing points means a quick turnaround in the morning. Our engineers have designed the DELTA to be harvesting for as long as possible keeping down-time to a minimum.

The solid engine cover offers safe and secure access to the grain tank and protects the engine from the elements while closed. When open it offers unrestricted access to the engine service points.

Cooling air for the radiators is effectively filtered by the rotary screen. Access for cleaning is quick and easy from the engine bay.

Two-piece side panels provide safe and unrestricted access for routine maintenance, and a detachable engine bay ladder enables the operator to reach every area.

01 Spacious, comfortable cab with optional Topcon System 150 monitor

02 Datavision screen and multi-function lever

03 Overhead console comes complete with Datavision printer, mirror adjustment, climate control, heating and Radio/CD player

04 The DELTA cab offers an excellent view of the header and fields



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Harvesting technology

Electronic combine monitoring and control is key to achieving maximum harvesting efficiency. On the new Massey Ferguson DELTA combine, these multi-functional, straightforward systems allow operators to adjust settings on-the-move and boost productivity as well as record crop yield information.



Machine Control

Includes systems such as Datavision and TOPCON 150.



Machine Management

The web-based tool AGCOMMAND provides the basis for machine management in the farm office. Includes functions relating to fleet/asset tracking, with Communicator and Record-Keeping.



Precision Farming

Includes the yield monitor and yield mapping.

Collecting, monitoring and interpreting information is a key element of any successful enterprise today and farming is no exception. It enables closer control of costs, better use of time and more accurate measurement of performance.

But don't assume that you need to be an expert in electronics to benefit from Massey Ferguson Technology – it may be extremely clever and highly advanced, but it's very simple to set up and operate.



Datavision and the MF DELTA combine

Datavision is very much a part of combine operation. It is a key tool for getting maximum efficiency from you and your machine in an easy-to-use way. Datavision comes as standard.

What can Datavision do for you?

The screen position is adjustable for comfort and has a clear easy-to-read display. It enables the operator to see up to eight different functions of his choice simultaneously. You can, at a glance, ensure that you are getting the best from your machine.

You can improve your efficiency, as it is easy to adjust major settings, including sieves and concave clearance, from the screen.

Datavision makes operation easier by having a single clear point of reference and is large enough to be looked at quickly and understood.

It provides protection and warnings for the machine and operator, avoiding unnecessary cost and time loss. There is a diagnostic feature, which saves time for you and your dealer when servicing or trouble-shooting.

It can provide logging information on yield and combine performance, which forms the basis for Precision Farming.

You will benefit by choosing one of the integrated systems for yield mapping and data-logging that we offer. A choice of yield metering equipment is available to match your Precision Farming requirements.

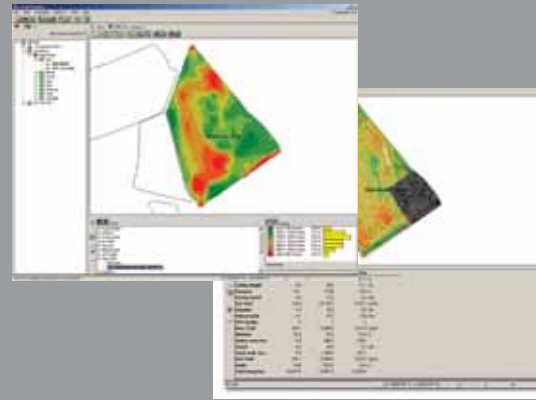




Yield Mapping, for future gains

Massey Ferguson pioneered yield monitoring on combine harvesters in the 1980's and continues to lead with the most accurate, easy-to-use systems available.

The Datavision terminal can provide data that is compatible for most third party Yield Mapping software programs making it the ultimate information station for farm management.



AGCOMMAND

Get near real-time access to valuable machine information that will help you increase your machine's performance, productivity and profitability with the AGCOMMAND telemetry system from AGCO's Advanced Technology Solutions.



AGCOMMAND telemetry system is accessed directly from any internet enabled computer and offers an abundance of machine data to improve management and profitability of your operation. AGCOMMAND will log and transmit many different and important pieces of information, including engine status, vehicle location and maintenance records and hours of work. A detailed history of service information, such as oil and filter changes is also available. All of this valuable information can be viewed via the website.



With AGCOMMAND, your machine information is always at your fingertips. AGCOMMAND will send alarms directly to any mobile phone or via e-mail. Alarms can be set to alert you to a variety of situations. AGCOMMAND can be used to send an alarm if the machine leaves a pre-defined boundary. At virtually any time of the day or night, you can know where your machines are and what they are doing.

The machine's owner also has the option of providing their dealer with access to machine hours, current location and service history, allowing the dealer to anticipate upcoming maintenance and to schedule a service call to maintain optimum machine performance.



Precision agriculture with TOPCON System 150

The Topcon System 150 is a hands free, satellite-based, steering system capable of delivering sub-meter, decimetre, and centimetre accuracy. Steering installation kits for guidance ready AGCO vehicles are available. Vehicle kits are also available for other makes and models of equipment. The System 150 AGI-3 receiver comes as standard with sub-meter and decimetre accuracy, already built in, and can be upgraded easily to RTK (cm).

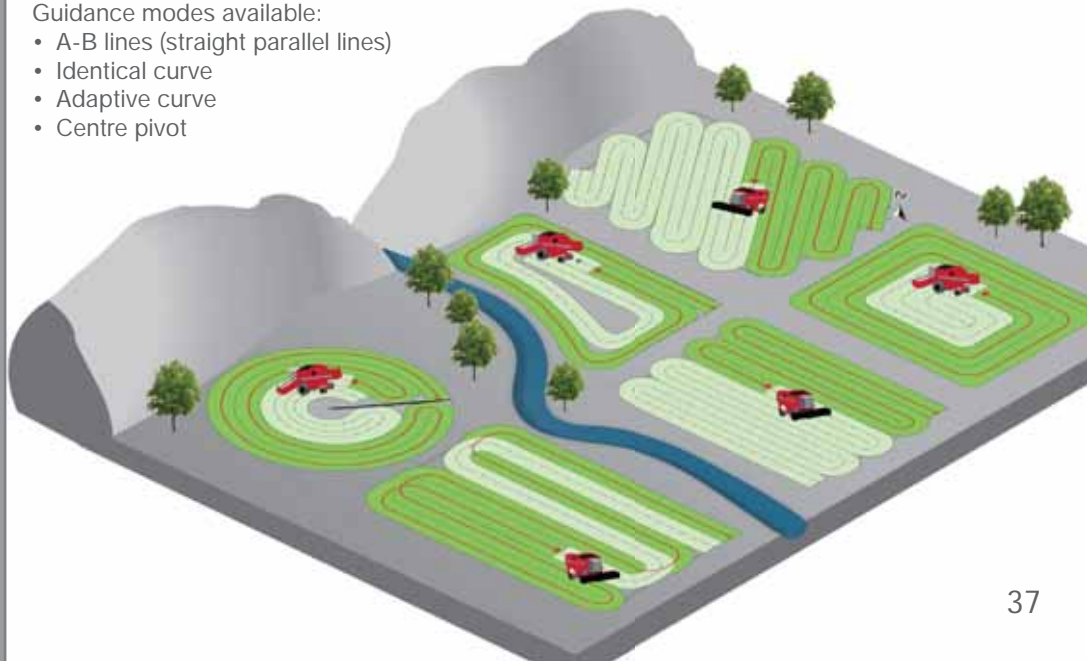


Features and benefits

- The System 150 steering system allows you to reduce skips and overlaps.
- World's first multi-constellation (GPS, GLONASS and Galileo) receiver with integrated antenna and guidance controls
- 72-channel receiver uses all available satellites
- Superior compensation for rolling terrain
- Best in class accuracy at all correction levels
- Expandable for use with future correction sources

Guidance modes available:

- A-B lines (straight parallel lines)
- Identical curve
- Adaptive curve
- Centre pivot



A confident future in harvesting

Adam Sherriff, Marketing Manager for Powered Harvesting explains why the DELTA combine was commissioned.



“We started this project by asking farmers with large capacity combines and larger combinable areas about their key requirements. The feedback from this process was that they were looking for a higher output machine that would give consistent performance, with reliability and low running costs”.

In order to do this, Engineering was spared no expense to provide an efficient solution for threshing, separation and motive power. Our tests have shown this concept will be reliable and durable and unequivocally justify the reason to purchase.

The MF DELTA combine has been designed for high-productivity in high yielding crops, minimal losses, unbeatable straw quality, and low fuel costs.

We have also looked very carefully at the backup required for such a machine, provided training and reviewed the aftersales support necessary for this type of combine and for you, the customer.

It's time for change – Massey Ferguson have every confidence the MF DELTA will do this successfully for all professional farmers and growers.

Get the right output and professional support for your harvest, now and in the future with the MF 9280 DELTA combine from Massey Ferguson.



Total support, no matter where or when!

AGCO Customer Support... providing local service to the global brand

Massey Ferguson is a true global brand with machines operating all over the world, from revolutionary "little grey fergie" tractors to the latest high-tech tractors and combines. Have you ever wondered how we continue to provide industry-leading parts and service support to such a vast array of machines and technologies across the globe?

Behind every Massey Ferguson machine is the powerful aftersales support of AGCO's Customer Support organisation.

Our main aim is to ensure that every machine - old or new - is fully supported locally, offering every Massey Ferguson owner:

- The best service in the industry
- Low cost of ownership
- A reliable and durable machine
- Minimum machine downtime
- A high resale value

State-of the art warehousing and logistics from AGCO Parts

Of course, every Massey Ferguson dealer is fully backed-up by the AGCO Customer Support organisation which provides industry-leading parts supply through AGCO Parts' state-of-the-art warehousing and logistics. With outstanding service levels, overnight delivery and inventory covering all Massey Ferguson machines - even those over 10 years old - we only ever supply genuine parts, and we guarantee the right fit, first time.

The right aftersales solution whatever the age of machine

Whatever the age of your Massey Ferguson machine, AGCO Customer Support has the right aftersales solution to save time and money, providing appropriate, affordable and reliable servicing and maintenance solutions in every situation.

Practical local support where you need it

AGCO places great emphasis on providing the best service to our Massey Ferguson dealers and this extends beyond the exceptional servicing and maintenance solutions and parts supply:

- Expert training and specialist equipment
- Advanced diagnostic techniques
- Information retrieval technology to communicate the very latest parts and service information
- Highly skilled technical support groups

With aftersales support from AGCO Customer Support, it's not just about supplying a filter or doing an oil change. It's about providing the best solution to our customers' needs, wrapped up with industry-leading parts and service support.

01 Ensuring the best service support - whenever, wherever

02-03 Practical, local support, from highly trained technicians

04 Industry-leading parts supply from AGCO Parts

05 Lifetime support for all Massey Ferguson machines with 10+ parts



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MF 9280 DELTA

Powerflow Table		MF 9280	MF 9280AL
Width	m	6.8 to 9.2	
Reel Drive		Hydraulic	
Reversing		Hydraulic	
Auto Level		●	●
HyPerforma Threshing Technology			
Constant Flow		●	●
Threshing Drum diameter	mm	600	
Concave Area	m ²	1.18	
Rotor Feeder diameter	mm	500	
Beater Concave Area	m ²	0.33	
Separation Area Rotor Feeder	m ²	0.39	
Rotary Separation		2 rotors	
Rotor Diameter	mm	475	
Rotor Length	mm	4200	
Rotor Separation Area	m ²	3.54	
Total Separation Area	m ²	5.44	
Rotor Speed	rpm	360 to 1000	
Venturi Cleaning System			
Total Sieve Area	m ²	5.3	
Two Step System, pressurised		●	●
Removable Preparation Floor		●	●
Fan Speed Adjustment		Electric	
Electronically Adjustable Sieves		2	
Separate Rethresher		●	●
Grain Tank			
Capacity	litre	10500	9500
Max Unloading Height	mm	4500	
Inside light		●	●
Adjustable full warning		●	●
Outside steps and inside ladder		●	●
Sampling tray		●	●
Unloading			
Unloading Rate	l/sec	110	
Turret unloading spout length	mm	7760	7760
Crop Residue Handling			
High speed Min Till Chopper		●	●
108 Serrated Knives		●	●
Maxi Spreader		○	○
Straw Chopper Deflectors		●	●
Chaff Spreader		●	●

Specifications

Every effort has been made to ensure that the information contained in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice. Therefore, all specifications should be confirmed with your Massey Ferguson Dealer or Distributor prior to any purchase.

Engine		MF 9280	MF 9280AL
Manufacturer		AGCO SISU POWER e ³ SCR	
Maximum Power*	⊕ hp/kW	500/372	
Fuel Tank Capacity	Litres	750	
Adblue Tank Capacity	Litres	103	
Transmission			
Hydrostatic		●	●
No. of Gears		4	
Speed Range		0 - 25 km/h	
Cab			
Type		Integral, Sound proofed	
Ventilation		Fan type	
Automatic air conditioning		●	●
Heating		●	●
Datavision monitor		●	●
Deluxe Air Seat		●	●
Weights and Dimensions			
Length (with PowerFlow, without torpedo dividers)	mm	10,203	10,203
Length (w/o table & spreader hood)	mm	8,266	8,266
Length (with spreader hood in working position)	mm	+ 479	+ 479
Height (grain tank lid closed)	mm	4,000	4,000
Height (grain tank lid open)	mm	4,555	4,555
Height (Transport Position)	mm	4,000	4,000
Width with 30' PowerFlow header, outside/cut	mm	9633/9200	9633/9200
Weight (w/o table, Maxi spreader) (with chopper, chaff spreader) No fuel or Adblue	Kg	16,320	17,360
Weight (w/o table, with Maxi Spreader, chopper and chaff spreader) No fuel or Adblue	Kg	16,510	17,550
Weight (w/o table, with Maxi Spreader, chopper and chaff spreader) Full fuel & Adblue	Kg	17,360	18,400
Wheels and tyres - Width (In transport w/o table, ladder turned)			
620/75R34AL	mm	-	3480
650/75R32	mm	3500	3500
680/85R32	mm	3500	-
800/65R32	mm	3800	3800
800/65R32AL	mm	3882	3882
900/55R32	mm	4020	4020
1050/50R32	mm	4350	-
Rear tyre option			
500/70/24	m	3500	3500
600/55-26.5	m	3740	3740

- ⊕ ISO TR14396
- Standard
- Optional
- Not applicable
- * Including 30hp boost

MF 9280 DELTA highlights

For a productive future in superior harvesting, look no further than the MF 9280 DELTA combine from Massey Ferguson.

- 01 The MF 9280 DELTA combine harvester from Massey Ferguson is the perfect combination of efficiency and economy.
- 02 PowerFlow: This world-renowned 'cutting platform' can deal with the harshest conditions and the highest of capacities. It has 'quick crop' changeability for complete versatility. PowerFlow is standard on both models.
- 03 The Hi-Inertia threshing cylinder at the heart of the combine boasts exceptional threshing and separation results. This highly effective system provides outstanding grain samples and well-designed components guarantee fuel efficiency.
- 04 Performance enhancing Constant Flow is a superb feature which allows the combine to work at maximum capacity and optimum output by sensing the load on the cylinder and varying the machines forward speed to match the crop, ultimately boosting output whilst keeping losses to a minimum.
- 05 High performance concave with wider opening for maximum grain removal and the cleanest of grain samples.
- 06 Separation is achieved by two high capacity rotors. Spiral patterned fingers ensure a smooth transport along the rotors for higher output.
- 07 The NEW Venturi Cleaning System increases airflow through the sieves, maintaining high cleaning performance to achieve exceptional grain samples and increase productivity.
- 08 The min-till chopper has 108 serrated knives arranged in 8 rows which work at high speed to produce a very fine chop. An optional maxi-spread chopper hood can be fitted for spreading high volumes of straw over wider distances.
- 09 Proven to substantially reduce emissions and fuel costs; the MF DELTA combine has a seven cylinder, 500 hp*, AGCO SISU POWER engine with Selective Catalytic Reduction technology (SCR).

*With 30hp boost

