

SPECIAL

August 2014

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FENDT

FOCUS



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through integration > 8

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Harvest the future – the new
Fendt C and L-Series. > 28

Iron & Steel in front of Art & History.

You will find more information at www.fendt.tv



The international Fendt Press Conference was held in the Neuschwanstein Castle in July. This was the first time that a company was allowed to invite journalists from all over the world to meet here. The famous castle was the perfect backdrop for the presentation of the new Fendt products: Fendt 300 Vario, Fendt 700 Vario and Fendt 1000 Vario as well as the new Fendt C and L-Series combines.



Peter-Josef Paffen welcomes some 200 international journalists to the Fendt Press Conference 2014.

Dear Readers,

We are shortly before the market launch of entirely new tractors, which are a step forward into a completely new dimension for us, and the entire agricultural equipment industry. A completely new dimension in terms of available power. A completely new dimension in terms of superior technology.

There is only one location suitable for us to present these new tractors properly in the Allgäu. A location that is only 20 km away from our factory as the crow flies, but is famous around the world: the Neuschwanstein Castle!

A completely new dimension in terms of available power and superior technology.

Now we are going to release our new high horsepower tractor where it feels the most at home: in the fields performing farming operations. I would like to invite you to our big Fendt Field Day in Wadenbrunn.

To give you a first overview of what you can expect, we will introduce our new machines exclusively to you, here in this special issue.

Dear Readers, I hope you enjoy reading our special Wadenbrunn FOCUS issue!

Best regards,
Your

Peter-Josef Paffen
Vice President and Managing Director Fendt
Chairman of the AGCO/Fendt Management Board



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Fendt FOCUS is a magazine for customers, sales partners
and those interested in the Fendt brand.

Experience Fendt. Making things happen.

People, machines and world premieres



We would like to invite you to Wadenbrunn, to the International Field Day being held by Fendt and the SAATEN-UNION on the 27th of August. This year there will also be many innovations and spectacular shows as well as Fendt machines in live operation.

You will be able to experience the new Fendt 300 Vario in various versions live for the first time in Wadenbrunn. It has not changed much from the outside, but the engineering under the bonnet is completely new. The Fendt 700 Vario not only complies with the new emissions standard Tier 4 Final, but also has 47 additional features that will impress you here in Wadenbrunn.

And then there are also two absolute giants waiting for you! For the very first time, the Fendt Katana 85 forage harvester will be shown in the field harvesting

maize. Its 850 hp will prove how much fun chopping maize can be. Another world premiere: be one of the first to experience the new 500 hp tractor from Fendt: the 1000 Vario. For the very first time, the "German Meisterwerk" will be let out onto the field to show the public just how much power it has.

In addition to watching field operations, you can also inform yourself about the latest Fendt technology or buy the current Fendt collection in the Fendt Shop. Some 80 agricultural equipment exhibitors will present their products and services on the 20,000 square metre exhibition area.

In the evening, the Troglauer Buam will return to make sure everybody is up and dancing and in a fantastic mood.

The International Fendt Field Day in Wadenbrunn opens its gates on 27 August at 9:30 am.

Entrance and parking are free, like every year. We are looking forward to seeing you!



DIRECTIONS TO WADENBRUNN

Coming from the North and West:

A 70
→ Exit 7 "Schweinfurt Zentrum"
→ B 286 heading south

Coming from the South and East:

A 3
→ Exit 75 "Wiesentheid"
→ B 286 heading North

Coordinates for your navigation system:

N 49° 54' 54,94" – O 10° 15' 36,98"

One brand. One fleet.



If it says Fendt on the outside, there is Fendt technology inside. Along with the heart and soul of engineers, mechanics, test drivers – whether in tractors, combines or forage harvesters. With these new ranges, we have not only developed our machines further, but also expanded our Fendt tractor fleet by 500 hp.

Variotronic. The leading edge through integration.

Fendt has expanded its Variotronic concept with new, innovative functions. For example, it is now possible to exchange VarioGuide field settings with other vehicles in the fleet and the Variotronic IM (Implement Management) system enables implements to control the tractor via the ISOBUS.

With the easy-to-use Variotronic, AGCO/Fendt has succeeded in meeting customer demands for high

**User demands for
innovative technology
is climbing.**

functionality, comprehensive setting options and logical operation. However, because user demands for innovative technologies are continuously climbing, Fendt has continuously upgraded its Variotronic operating interface with convenient, efficient functions. At Fendt, we call these special solutions, the details that are not always immediately obvious, but are crucial in operation, "Spotlights". These also include the new Variotronic IM (Implement Manage-

ment): the implement, for example a round baler, is connected with the tractor via the implement control ISOBUS and can demand defined functions from the tractor, such as a hydraulic valve or driving speed, and can therefore control the tractor. As soon as the bale is finished, the baler "informs" the tractor that it should reduce and maintain the travel speed, so that the wrapping procedure can begin," explains Alfred Kornes, Product Marketing Manager Electronic Farming. The advantages are evident: all round bales are produced in the same density and quality and the driver's workload is reduced through automated working sequences. He can concentrate exclusively on optimising the process and the work results. "For safety reasons, every function must be explicitly approved by the operator, who also has the option of manually overriding all automated functions at any time," adds Kornes.

The corporate strategy Fuse™ Technologies™ networks and integrates the entire fleet

The groundbreaking Fendt Variotronic is a crucial component of Fuse™ Technologies™, a comprehensive electronics strategy from AGCO, which offers farmers and contractors seamless integration and networking of their entire fleet. Under the name Fuse™, AGCO and Fendt provide solutions for precision farming, which reduce operating costs and enhance the efficiency of machine operations. AGCO also offers solutions for conservation tillage, reducing water consumption and minimising emissions. And also for agricultural enterprises, whose fleet comprises agricultural machinery from different AGCO brands.



VARIOTRONIC IS FOUND IN THE FOLLOWING
FENDT MACHINES:

Fendt tractors:

- Fendt 300 Vario
- Fendt 500 Vario
- Fendt 700 Vario
- Fendt 800 Vario
- Fendt 900 Vario

Fendt forage harvesters:

- Fendt Katana 65
- Fendt Katana 85

Fendt combines:

- Fendt C-Series
- Fendt L-Series
- Fendt X-Series
- Fendt P-Series

Easy data transfer

With the well-known VarioGuide, which is integrated in the Varioterminal, users can work at ease, even at night and in poor visibility conditions, with the assistance of state-of-the-art satellite technology. Up to now, logging field data, i.e. information on tracks or obstacles, was very time-consuming. Each field had to be driven with each tractor and every agricultural machine. With the new transfer option, it is now possible to transfer field settings from one tractor to another machine or to a computer using a USB stick.

VarioDoc is now even more precise

The advantages are evident.

VarioDoc records data that is relevant for modern farm management in agricultural businesses. The data can then be analysed in the field database within a short time period. "Up until now, the actual speed and slip was only logged by a radar sensor, for example, during heavy-duty tillage work," says Alfred Kornes. "Now speed signals, which are determined via satellite with the assistance of VarioDoc and VarioGuide, can also be included in the calculation of slip."

That is another Spotlight from Fendt and provides more exact driving speed data. This produces VarioDoc recordings with higher accuracy.



Field settings can now be conveniently exchanged amongst agricultural machinery via USB stick. Field databases are transferred via VarioDoc using Bluetooth.



Using VarioDoc and VarioGuide, speed signals can be determined via satellite. The can then be included in the calculation of slip and contribute to more accurate driving speed data.

You will find more information at www.fendt.tv



EFFICIENT OPERATION WITH FENDT VARIOTRONIC

- Overview through 1-terminal strategy
- Unified Fendt operating concept
- High vehicle integration
- Perfect documentation with VarioDoc
- Precise guidance with VarioGuide
- Fully automated section control



Another Spotlight is the new AdBlue consumption indicator, which not only allows you to monitor the current consumption, but also records the average and total consumption.



The new ranges.

Are you already familiar with our Fendt 300 Vario and 700 Vario and our combines? We have equipped our C and L-Series with new technical features, updated the 700 Vario and made it compliant with emissions Stage 4 and completely redesigned our all-rounder, the Fendt 300 Vario. And is there anything else? Of course, there's a completely new range. The Fendt 1000 Vario demonstrates its massive horsepower. There's a lot coming straight at you.

You will
find more
information at
www.fendt.tv



Fendt/SAATEN-UNION
Field Day Wadenbrunn
27 August 2014



Fendt 300 Vario – all-rounder for yard and field.



The success story of the 300 series began in 1980 with the Farmer 300. Some 125,000 tractors from this series have been sold to this day. Most of them are still in operation today, which is proof for the quality and reliability of this compact tractor. The completely newly constructed Fendt 300 Vario is now even more powerful, more efficient and more versatile. In a nutshell: it is a new model that is simply even better.

The first step in developing a new tractor is forming a concept that is aligned with customer demands. At the very beginning of the development phase, it became apparent that it would make sense to offer the tractor in two variants, Power and Profi, since customer requirements in this power segment are very different. Many farms, for example, only need the basic version, Power, to perform their work, while others prefer the enhanced technical equipment in the Profi version.

Huber Fischer is the product manager for the Fendt

**We pay special attention to
our customers' opinions when
designing a new tractor.**

300 Vario. He is the interface between development, marketing and customer demands. "The development of a tractor is a complex process. We pay special attention to the our customers' opinions when designing a new tractor. The last steps in the product development process are the most exciting. That is when I can recognise that the tractor is slowly growing up. I've been accompanying the 300 Vario from





“We started with one Fendt 300 Vario,
and now we have four.
These machines do really good work every day,
and, in terms of fuel-efficiency, there are clearly top.”

Andrew Herron, arable farmer and Fendt operator from Belfast, Ireland

The super comfort seat is now supplied
by the tractor's own compressed air system.

the crib, so to say,” grins Hubert Fischer. “The predecessor was equipped with a one-gate joystick. Many of our customers requested a two-gate joystick. We took this into consideration at the very beginning of development and have now implemented this request in the new 300 Vario.”

But what makes the new Fendt 300 Vario an absolute all-rounder in the farmyard and field? At the heart of the compact tractor is a 4.4-litre 4-cylinder AGCO Power engine. With a maximum output of 110–138 hp and the time-tested Vario transmission, the 300 Vario has a torque rise of 42–55 percent. The engine is firmly mounted in the half-frame with wasp-waist design. “The half-frame design makes it much easier to attach a front loader or front linkage,” says Hubert

Fischer about the technology. The front axle suspension on the Profi version is fitted with steering angle sensors. They are available as an option for the Power version. They are controlled by the 4WD and differential lock, which ensure optimal traction while still being gentle on the soil and tyres.

Best cab on the market

“The new VisioPlus cab has a stunning 2,520 litres of air space. The unique panoramic window, which curves up into the roof, expands the field of vision vertically. This front window gives operators a perfect overview of the raised front loader as well as an unobstructed view to traffic lights. For me, there is no better cab on the market,” says Hubert Fischer



“What I really like about the Fendt 300 Vario is that it is as comfortable as my sofa. And, of course, that it has so many practical features, such as the external controls for the linkage or to actuate of the control valves.”

Licia Cocozzella,
contractor and Fendt driver from Campolongo, Italy



FENDT 300 VARIO. YES.

- VisioPlus cab with panoramic front window for the best view
- A lot of space with more than 2.5 cubic metres of air space
- Straightforward operation with Varioterminal 7-A and joystick
- Robust half-frame design with new front axle suspension
- Hydraulic control pump with a delivery capacity of up to 110 litres

Even with large tyres (540/65 R 24 and 600/65 R 38), the vehicle is extremely manoeuvrable thanks to the “waisted” design of the half-frame.

proudly. The operating elements are centralised, integrated in the Variocentre on the right-hand mud-guard, which permits a straightforward arrangement and ease of operation. The Varioterminal 7-A is installed as standard in the Profi version. Another new technical feature in the 300 Vario Profi are the electric valves with time and flow control, which permit complex implement combinations. “Our customers have the choice when it comes to the front power lift: either one with a separate valve for actuation, including external controls, or one with front linkage position control, which can also be upgraded with load relief control for operations with a mower.

Universal application

The constant flow pump with a flow volume of 83 litres per minute is installed in the Power version as standard. An axial piston pump (load-sensing) with up to 110 litres per minute is available as an option and is standard specification for the 300 Vario Profi. “The 300 Vario has a lot of hydraulic power so it can be used universally. It can drive both implements with a high oil requirement and implements with a low engine speed,” says Huber Fischer. The new Fendt 300 Vario was presented to the public for the first time at the Fendt Field Day in Wadenbunn. Production starts in spring 2015.

You will find more information at www.fendt.tv



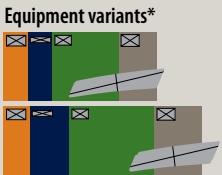
It has a cast frame, so the front lift is very stable and robust. The lower links of the Fendt 300 Vario fold up diagonally. This gives operators plenty of clearance during front loader operations.

FENDT 300 VARIO –
EQUIPMENT LEVELS

The 300 Vario series, comprising the models Fendt 310, 311, 312, and 313 Vario, covers the maximum power output range from 110–138 hp. The Fendt 300 Vario is available in a Profi version as well as a 300 Vario Power version, a cost-effective entry-level option for everyday operations.



Fendt
300 Vario
2015



* Package modules in the Power, ProfiPlus and ProfiPlus variants. All model packages can be customised in the factory with up to 260 options.

- Engine and Vario transmission
- Hydraulics and linkage
- Cab and Fendt Variotronic
- Body and chassis



Fendt 700 Vario – the perfectionist.

It is the most sold tractor amongst the powerful and highly efficient tractors from Fendt. The unique panorama cab VisioPlus with the award-winning Fendt Variotronic and one of the most modern engine lines with fuel-saving SCR technology convinces farmers, contractors and municipal facilities alike. Now Fendt has optimised it again: the Fendt 700 Vario.

A daily challenge and new incentive

Since January 2014, the new European emissions standard Stage 4/Tier 4 Final has been in effect for all agricultural machinery with an output of more than 130 Kilowatt. Starting October 2014, this will also apply to machines with an output of up to 130 Kilowatt. Analogous to the well-known technology from the Fendt 800 and 900 Vario high-horsepower tractors, Fendt continues to use the tried and tested SCR technology, externally cooled exhaust gas recirculation and a coated soot filter (CSF) – now also in the Fendt 700 Vario. Combined with the updated 6-cylinder Deutz engine with a 6.06-litre cubic capacity, this results in a technically leading, efficient system solution that saves fuel.

“The implementation of stricter emissions standards was necessary due to legal regulations, but at the same time, it was also the impetus to equip the Fendt 700 Vario with additional innovative features.

‘Leaders drive Fendt!’ is not only a slogan for us development engineers, but also a daily challenge and incentive!’ says Hans Heinle, Product Manager for the Fendt 500, 700 and 800 Vario series. “In addition to environmental protection through the new emissions standard, we want to offer customers additional benefits with the new Fendt 700 Vario for their everyday work. That is why we have fitted it with even more comfort, safety and efficiency,” sums up the development engineer.

1,000 rpm despite lower engine speed

The new 4-speed PTO, for example, ensures higher efficiency. The additional 1000E Eco mode enables a nominal speed of 1000 rpm on the rear PTO at a reduced engine speed. This not only expands the range of possible applications, but also makes the 700 Vario more fuel-efficient, even more profitable and quieter.



The cable lead-through allows cables to be guided from the outside to the inside through the closed rear window.



Fendt 718–724 Vario: higher six-tonne payload through new permissible overall weight of 14 tonnes.



Passive diesel particulate filter CSF: maintenance-free and saves fuel.



Phone holder on the armrest.



No annoying noise in the cab since driver seat is supplied by an external source of compressed air.

FENDT 700 VARIO –
EQUIPMENT LEVELS

The 700 Vario series, comprising the models 714, 716, 718, 720, 722 and 724, covers the maximum power output range from 145–240 hp. In addition to the 700 Vario ProfiPlus and 700 Vario Profi equipment lines, the Fendt 700 Vario – analogous to the Fendt 500 Vario Power – is now also available in a 700 Vario Power version as a lower-cost entry-level tractor for day to day use.



Fendt
700 Vario
2015

Ausstattungsvarianten*



* Package modules in the Power, ProfiPlus and Profi variants. All model packages can be customised in the factory with up to 260 options.

- Engine and Vario transmission
- Hydraulics and linkage
- Cab and Fendt Variotronic
- Body and chassis

“Leaders drive Fendt!” is not only a slogan for us development engineers, but rather a daily challenge and incentive.

The entire series has been converted to a compressed air assisted dual-circuit braking system with only one brake pedal, one of the innovations from Fendt. Hans Heinle explains that the actuating forces with this new system are lower and the brake forces can be dosed very precisely. The single-wheel brake, which further increases the already high manoeuvrability of the tractor, for example, for tillage, continues to be available as an option.

Further developments include the cardan brake, which is equipped with three additional discs to increase braking power. At the same time, the permissible overall weight of the 700 Vario has been increased from 12.5 tonnes to 14 tonnes. “Customers therefore have 1.5 tonnes more payload at their disposal.

“This is a real advantage, because it permits work with heavy implements,” continues Hans Heinle. Larger and more complex implements, however, require much more hydraulic power. Fendt has an answer to this, too: a large hydraulic pump is available for the 700 Vario as an option.

300° front wiper and LED technology guarantee perfect visibility
Another important innovation is undoubtedly the new front wiper with a large wiping angle of up to 300 degrees, the new steering column switch and a spray nozzle integrated in the wiper arm. “The powerful wiper motor, freely programmable wiper field and water

nozzles directly on the wiper blade are trend-setting solutions. Even under difficult operating conditions, the driver has an ideal, unobstructed view, which means greater safety when driving,” explains the expert on the 300° front wiper, which is standard on the Profi and ProfiPlus versions. The new modern lighting concept on the Fendt 700 Vario also ensures perfect visibility. It has now been converted to LED throughout the entire tractor and is therefore state-of-the-art. The dipped and main beams have the latest Bi-LED lamps with headlamp levelling. The work lights and corner lights are also fitted with LED lamps. This allows optimal adjustment of the lighting to the working conditions and all-round visibility is excellent in the dark. Low power consumption and a long service life round out the advantages of the optionally available LED lighting.

“The overall design concept has to be right”

“I personally find the LED cross-over illumination design an interesting and clever solution. In the previous lighting concept, the new exhaust pipe on the A-pillar would have been partially lit by the light. This would have produced annoying glare and shadows in the area of illumination,” explains Heinle. But the development engineers also found a solution to this: they crossed the lights. That means that the one on the left shines to the right and the one on the right shines to the left. This illuminates the entire area very evenly – without any glare. “It is often the sum of many innovative detail solutions that make good solutions to a perfect overall system. The overall design has to be right on a tractor,” Heinle is sure about this.

FENDT 700 VARIO. THE PERFECTIONIST

- LCD Varioterminal 10.4-B with touchscreen and key control
- 4-speed PTO 540/540E/1000/1000E
- Bright and energy saving lighting with LED technology
- Panorama front window with 300° window wiper for a large field of vision
- Powerful hydraulic system with delivery capacities of 109, 152 and 193 litres per minute
- Passive diesel particulate filter and SCR exhaust technology



The new 4-speed rear PTO ensures higher efficiency.



300° front wiper with integral spray nozzles – now standard for the Profi and ProfiPlus.



High-grade LCD terminal 10.4-B in smartphone look with touchscreen and key control.



The new LED lighting concept on the Fendt 700 Vario ensures greater safety.

A “German Meisterwerk” is created.

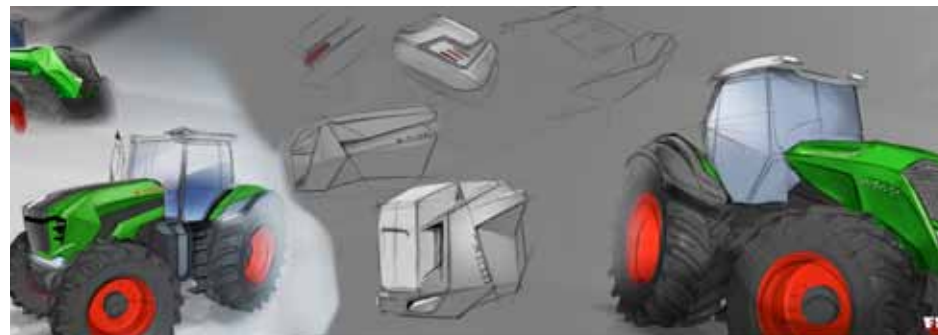
There was a lot of speculation in the internet. People sat in bushes and climbed trees with cameras to get a photo. Daily calls to the Fendt PR Department confirmed: the interest in the new high-horsepower range from Fendt is gigantic. Now we are finally lifting the veil from our best-kept secret: the new Fendt 1000 Vario – the “German Meisterwerk”.

It is the middle of May. Nearly 30 men are standing next to the assembly line in Hall 26 and watching the workers assemble a tractor. Despite the crowd, it is very quiet; the atmosphere seems almost reverent. What is happening here is a very special event. The first nine Construction Stage 2 machines for the

A completely new tractor series, and this big – that’s something you don’t see every day, even at Fendt.

Fendt 1000 Vario are being manufactured. A completely new tractor series, and this big – that is something that doesn’t happen every day at Fendt. The people are development engineers, project planners, technical managers, logisticians and quality managers. They are following the new high-horsepower tractor very intently along the assembly line. Amongst them are two people, who have been

Study from Fendt Design Manager
Tom Maier (2012).



FENDT 1000 VARIO

- Four power levels:
Fendt Vario 1038 (380 hp) | Fendt Vario 1042 (420 hp)
Fendt Vario 1046 (460 hp) | Fendt Vario 1050 (500 hp)
Maximum output (to ECE R24)
- Fast driving on the road with a maximum speed of 60 kilometres per hour
- Efficient and agile with an unladen weight of just 14 tonnes
- Minimum track width of 60 inches/1.50 metres and single, twin and triple tyres
- Future generation Variotronic control
- Maximum height of 3.60 metres
- Completely newly developed large tyres (rear tyre diameter up to 2.35 metres)
- New comfortable X5 S cab

involved since the very first idea: Robert Heisler, Product Manager Research and Development, and his colleague Johann Dobler, Project Coordinator Tractors. “The new Fendt 1000 Vario is built as usual on the series production line. This has been unique at Fendt since the 90’s already,” explains Robert Heisler, a true “Fendtlr” since 20 years. “Series production is very important to us, because we get immediate feedback for production: How well is the procedure working? Is it an industrial process or more of a craft? Crafting is not feasible in series production numbers.” The project coordinator for the 1000 Vario, Johann Dobler, agrees with him: “With 1,700 new components, the Fendt 1000 Vario is a true challenge for the production line, and also for the people that organise it. Are the right parts in the right place at the right time? Some parts of the new high-horsepower tractor are too heavy for conventional lifting facilities. We’ll have to think of something. But this is exactly where one can recognise just how solution-driven and flexible the team is,” says the project coordinator in an Allgäu dialect. For example, the 80-litre oil filling takes place at a later time, because otherwise the tank would be too heavy for a crane.

“Not a heavy ‘iron hog’”

The first ideas for a new big standard tractor germinated in 2006. The first concept studies were developed. Robert Heisler, more reserved than boastful, proudly tells about the beginnings: “We have always been the pioneer, who delivered top performance – like with the Fendt 900 Vario, first with 260 hp, then 300 hp and finally 390 hp. So it was natural that our goal was to drive this even further.” Demands for more power beyond the 900 Vario series have been around for some time. Competitors met these demands with tracked tractors, articulated vehicles as well as other specialty machines. “Fendt always aims to build compact and relatively lightweight vehicles. It is not a heavy ‘iron hog’, to put it in slang,” laughs Heisler. “We wanted to develop an all-round vehicle that can meet the various demands on the global market. With this vehicle, we want to tap new markets and expand existing ones: to meet the North American and European requirements as well as those of the Eastern regions – that was one criterion! Our tractor had to be a flexible vehicle: able to accept high ballast weight for heavy-duty draft work, but still be economical during transport work, road-worthy, versatile



with a PTO and comprehensive hydraulic and hitch systems – that was the feedback from our customers.” Of course, the question about the TriSix comes up here – a sensational concept study from Fendt.

Competitors have nothing comparable in this power range.

Heisler and Dobler naturally expected this question. “The Fendt 1000 Vario is not competition for the TriSix. The TriSix boasts a power output of more than 500 hp. With the 1000 Vario, we are closing the gap between today’s 900 Vario and a possible TriSix. Competitors have nothing comparable in this power range – we see great opportunities here.” Additional-

ly, the new Fendt 1000 Vario has completely different dimensions and technical equipment features.

Between emissions standards and the construction of a new factory

The two engineers started the first concept studies in 2008. Based on initial investigations into the engine, transmission, cooling system, etc., the first specifications were made. Robert Heisler explains why the construction of the mock-up (first, non-driveable prototype for evaluating a concept) took until March 2012. “In 2011 we had to implement emissions standard Tier 4 interim, followed by Tier 4 final in 2014. In between that we built our factory and changed the production completely to open the world’s most modern tractor factory in 2012.” Robert Heisler was already involved with planning the new

assembly line. A stroke of luck, because he could already plan it for the dimensions of the new Fendt high-horsepower tractor.

“The first shot was already a bull’s eye”

The first three Construction Stage 1 prototypes left the factory in June 2013. Well-disguised and ready to perform heavy-duty draft work on test farms around the world – under continual monitoring of the Fendt test drivers and the tractor control centre in Marktoberdorf. This is where all the technical data, such as weather and soil conditions in the region, come together.

“Construction Stage 1 is for gathering basic findings,” explains project coordinator Johann Dobler. “These findings are implemented in Construction Stage 2, which generally takes place a year later. The following 0-series actually marks the change from these prototype stages to the series status

of all complete parts and manufacturing processes. The first shot at the Construction Stage 1 Fendt 1000 Vario was a bull’s eye,” says Dobler. In the first five months alone, the test machines already endured tough operation in more than 2,000 hours: heavy-duty tillage with dual tyres.

The first nine machines for Construction Stage 2 incorporating the findings from these fields were built in 2014. The design, the cab and also the technical equipment is already pretty close to the future series model. But it is still 1½ years until series production starts. “Time that we can use intensively for tests and refining the technology,” says Robert Heisler.

Now, however, he and his colleague Johann Dobler and all others that were part of the project “German Meisterwerk”, are pleased about the successful assembly run of the new and unique Fendt 1000 Vario.



Harvest the future – the new Fendt C and L-Series.

Fendt presented the C and L-Series combines with new highlights in Wadenbrunn. The C-Series with the VarioGuide automated steering system and the six-row straw chopper sets new standards in the premium segment of the upper mid-horsepower class. The new L-Series also offers the state-of-the-art technology with the Fendt Variotronic operating interface in the generously designed Proline cab. Frank Kellewald, Manager Product Marketing Harvesting EAME, presents the Fendt harvesting innovations.

Comfortable workplace with modern controls

The tried and tested operating interface in the generously designed Skyline cab, the Fendt Variotronic with the large Varioterminal 10.4", is already available as standard in our C-Series. Since maximum efficiency is essential on these combines, we now offer you the VarioGuide automated steering system, which is fully integrated in the terminal. It increases threshing capacity by reducing the number of unnecessary passes and optimising the field division," explains Frank Kellewald. The system can be adjusted and conveniently controlled using the Varioterminal. The parallel use of different satellite systems guarantees that the guidance system is highly reliable. "We offer open access for correction signals, so that you can choose from many different types of signals according to your need," continues Frank Kellewald. "Com-

pletely new is that we have equipped our L-Series combines with the Fendt Variotronic. The slightly smaller Varioterminal 7", with a colour display, has intuitive menu navigation. Clearly structured, it provides you with all the relevant information about the combine's performance and settings. You can conveniently adjust the settings using the touchscreen or the navigation keys on the handgrip. However, not only the operating interface in the L-Series is new, we have also redesigned the cab in the Fendt L-Series – the Proline cab. Generous and comfortable. The Variotronic armrest, as well as the comfort seat and steering column, can be optimally adjusted to the operator's personal requirements," explains Frank Kellewald. "Thanks to the large glazed areas in combination with large, electrically adjustable mirrors and a comprehensive lighting concept, you have an optimal view to your work, day and night." The standard air-conditioning system and the low noise level in the cab ensure a comfortable working environment.

EVEN MORE FENDT: THE C AND L-SERIES

- New design – now in the Fendt family look
- C-Series: VarioGuide for perfect guidance
- C-Series: now with six-row premium straw chopper
- New in the L-Series – ease of operations with the Fendt Variotronic
- For special operations – rice version for the C and L-Series

The new C-Series offers different slope compensation systems.



Powerful threshing unit

“Our MCS Plus threshing unit is the heart of the C-Series. The heavy, high-inertia threshing cylinder sets itself apart through its very smooth running. The varying wire spacing on the concave – twice as wide at the rear as in the front – ensures an optimal balance between high threshing performance and good separating capacity,” says Frank Kellewald, explaining the advantages of the tried and tested threshing unit. The MCS Plus concave has a very large separating area, so as much grain as possible is separated before the crop goes to the straw walkers. This enables high threshing performance, even under difficult conditions. In easy-to-thresh crops and dry conditions, the concave can be pivoted up over the rotary screen. An electric motor brings the concave into the desired position – as needed. “We also offer our L-Series with the Power Feed Roller (PFR) and the Multi Crop Separator Plus (MCS Plus) for especially demanding operations. In the standard version, the threshing unit is equipped with the ABC module – Active Beater Concave. This module is an extension of the concave below the beater and provides improved separation capacity as well as uniform straw flow to the walkers.”

The right cutting table for every operation

The Fendt C and L-Series can be fitted with either the FreeFlow or the PowerFlow table. “The FreeFlow table, which we offer in working widths from 4.80 to 7.60 m, is especially stable and maintenance-friendly, since the components are bolted on. The high speed of the cutterbar ensures a clean cut and a low power

requirement,” explains Frank Kellewald. The intake auger has a diameter of 610 millimetres and conveys the crop to the crop elevator swiftly and uniformly. The high-capacity PowerFlow table is known for its active crop feed and high productivity. The big clearance between the cutterbar and the auger facilitates cutting high crops. The crop is transported by the PowerFlow belts, which are located directly below the intake auger. “This transports all types of crops uniformly to the threshing unit. It ensures the best threshing performance and a high output. You can control automated functions, such as AutoLevel table guidance, the automatic cutting height and lowering control, conveniently with the Fendt Variotronic. The PowerFlow table also offers you maximum flexibility – it can be converted for rape harvesting within minutes. Completely new is our high-output table for the C-Series with a working width of 7.70 metres for even higher efficiency.”

Leading-edge engine technology

The 6-cylinder engines from AGCO Power, featuring common rail high-pressure injection system and four valves per cylinder, represent the latest in engine technology. For the L-Series combines, they deliver a maximum output of 243 hp (5255L) or 306 hp (6275L; incl. boost) and for the C-Series combines a maximum output (with boost) of 306 hp (5275 C) or 360 hp (6335 C). “Like our tractors, we also use the fuel-saving SCR technology in combination with exhaust gas recirculation in our combines for compliance with the latest emissions regulations.” After-treatment of the exhaust with a urea solution, not only significantly reduces the

emission of particulate matter and CO₂, but also lowers fuel consumption. The diesel tank holds 620 litres and the AdBlue tank 80 litres for long harvesting days.

The special rice version

“Completely new are our Fendt L and C-Series combines for rice harvesting. Rice harvesting poses a very special challenge for combines. That is the reason why we offer our customers a dedicated version for this special application,” explains Frank Kellewald. “Many components have been strengthened and manufactured of extremely low-wearing material. That reduces wear caused by higher ingress of dirt. The threshing cylinder has pins instead of bars for gentler handling of the sensitive rice kernels.” Since rice is mostly harvested on very wet ground, the Fendt rice combine is equipped with crawler tracks.

Premium class straw chopper

“A highlight for the new C-Series combines is the premium six-row straw chopper, which is standard specification. Fast decomposition of the straw is crucial for conservation soil tillage and direct seeding operations, which are gaining in significance.” The new chopper on the C-Series guarantees optimal spreading and chopping quality. The serrated knives ensure a clean cut and also reduce power consumption. The infinitely adjustable counter knives, an additional pivoting dimple plate and electrically adjustable straw deflectors guarantee complete control over the quality and spreading of the chopped material. “You can switch from swath shot to chopping with one hand grip and without requiring tools.”

Your work is in perfect view,
day or night.

Very efficient in very steep areas with Integrale

Besides the tried and proven ParaLevel front axle, which compensates for slopes up to 20 percent, an additional system – the Integrale – is now available for slope compensation in the Fendt C-Series (5275 C PLI). “ParaLevel compensates for lateral tilt on slopes. The Integrale system, on the other hand, compensates longitudinal tilt. This additional system for the 5-walker machine acts on the rear axle. Going up slopes, the system can level a longitudinal tilt of up to 30 percent and going down slopes up to ten percent,” explains Frank Kellewald. The combination of ParaLevel and Integrale keeps the machine completely horizontal, even on very steep slopes, and optimises crop flow to the feeding and threshing units, walkers and cleaning area. That guarantees clean threshing and grain quality and the same productivity as in flat terrain.



L-Series with either the FreeFlow or PowerFlow table.

OPTIMAL PARTS SUPPLY

Perfect availability of replacements parts is extremely important, especially for harvesting machinery – because of the narrow harvest window. Ulrich Hepp, Distribution Manager of AGCO Parts Deutschland, knows what AGCO does to ensure that your machine is ready for operation around the clock.

What does AGCO Parts do to guarantee an optimal parts supply?

Our objective is to provide the best parts service and the best parts availability in the industry. We have already laid the foundation required for this by building an extension to the warehouse in our headquarters in Ennery in Northern France, by optimising our processes and significantly increasing our stock. If, despite the most careful planning, an urgently needed part is not available, we immediately take care of sourcing it or look for alternative solutions.

Why did AGCO Parts decide to implement SSD warehousing, i.e. stocking directly with local dealers?

The most important reason for this is to further minimise machines downtimes. We stock critical parts close to the operating location in our Strategic Stocking Dealer warehouses (SSD warehouse). If a harvesting machine threatens to stand still during the harvest, we can replace the part almost immediately. Another reason is that parts for harvesting machines are difficult to transport due to their size. That is why we have decided to keep multiple stock of these parts – in regional warehouses and at our dealerships. This way we can ensure that no customer has to wait longer than three hours for a required part.

What alternatives does AGCO Parts offer, if replacement parts cannot be delivered?

In the event that a customer needs to hire a replacement machine or contractor because a part is not available overnight for their current production Fendt Katana or Fendt combine during the harvest, we will cover these additional costs within the framework of a generous fixed maximum limit.

FENDT



A winner ready to go.

Fendt 300 Vario. The Original.

- “Best in its class” for fuel consumption ¹⁾ (DLG PowerMix Test 06/2014)
- 100% Vario: no steps, 10% higher performance and 10% lower fuel consumption
- “Lowest replacement part costs” (Profi Replacement Part Analysis 05/2013)
- Lightweight design for agility and a high payload: 4.9 t with a 3.6-t payload (Profi Test 2013)
- High retention of value through premium quality

Driving a Fendt 300 Vario pays off. Already since 1980. And today it can also pay off for you, the minute it leaves your dealer’s premises (and it’s also fun to drive).