

VALTRA TEAM



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Working faster and safer

VALTRA A105 REVOLUTIONISED RACE TRACK MAINTENANCE

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EDITORIAL



Welcome to the first edition of our Valtra Team Magazine for 2025, created exclusively for you, our valued customer.

Despite the challenges faced in 2024, the UK farming industry has demonstrated remarkable strength, adaptability, and innovation. As we look to 2025, we anticipate further challenges, but we remain confident that the industry will continue to come together and support one another through these times.

We were thrilled to begin the year on a positive note by participating in the UK's premier agricultural event, LAMMA. It was an excellent opportunity to showcase our full range of products, including our flagship S6 model. The event had a vibrant atmosphere and was a great display of the agricultural community coming together. For more details on our experience at LAMMA, turn to page 5.

We are also excited to continue supporting our dealer network with their upcoming events and demo days this summer. Additionally, we will be attending the Royal Highland Show in June and the Royal Welsh Show in July. Be sure to follow our social media channels for further updates. We look forward to connecting with many of you in person at these events.

Dariusz Lewandowski
NATIONAL SALES MANAGER FOR VALTRA UK & IRELAND



New transmission plant completed

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Innovation

Adjustable working lights now available from the Unlimited Studio

ADJUST THE BRIGHTNESS AND TONE OF YOUR WORKING LIGHTS

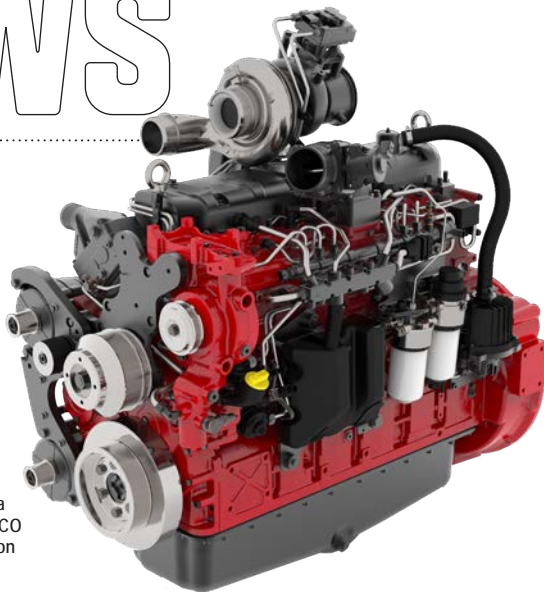
The Unlimited Studio at the Valtra factory now offers an innovative adjustable working light system as an accessory. The system allows the operator of the tractor to adjust the brightness of the working lights between 0 and 2900 lumens. The colour temperature can also be adjusted from warm yellow 2700K to cool blue 6500K. The lights can be adjusted all at once, individually or in groups. Adjusting the lights is easy by remote control or an app downloaded to a smartphone.

Adjustable working lights improve working comfort and safety. For example, in foggy, dusty

or snowy conditions, the driver will often want to reduce the reflection of the working lights. This can be achieved by adjusting the power to a lower level and/or the colour temperature to a warmer level. Adjusting the working lights may also be necessary if other machines or workers on foot are working in the same area. Adjustments can also be made from outside the tractor using a remote control or smartphone.

Adjustable working light systems are available from the Unlimited Studio for all new N, T, Q and S Series tractors. •

NEWS



A comparison test conducted on a cattle farm demonstrated that AGCO Power engines work equally well on fossil and renewable HVO diesel.

COMPARING RENEWABLE AND FOSSIL DIESEL FUELS – VERY SMALL DIFFERENCES

TEXT TOMMI PITENIUS PHOTO VALTRA ARCHIVE

Valtra has been studying for the past year the differences between fossil and renewable fuels in farm tractor operations together with engine manufacturer AGCO Power, Finnish oil company Neste, Nokian Heavy Tyres and Tarvaala Agricultural College. The preliminary results reveal that the differences between the fuels are in fact very small.

“We have had two Valtra Q305 tractors working at Tarvaala for various farm operations throughout the year. One tractor has been fuelled with regular fossil diesel and the other with renewable Neste MY diesel. We monitor, for example, fuel and AdBlue consumption, as well as the operation of the engine and aftertreatment equipment,” says **Pasi Oksanen**, Department Lead, Validation, at AGCO Power.

The AGCO Power engines have data loggers that monitor around 400 different parameters per second. The data is sent in almost real time to a cloud service, where it can be monitored using a web browser. In addition, samples are taken from the engine's lubricating oil and the engines visually examined from the inside at the end of the test using endoscopes and other tools.

“The tractors have been operated all year round for around a thousand hours each. All the data will be analysed at the end of the test, but we already know that the differences between fossil and renewable fuels are very, very small for the engine. This confirms our initial assumption and is good news for tractor users.” •

**GOOD
DESIGN**

S SERIES WINS GOOD DESIGN AWARD 2024

Valtra designs have won numerous awards in recent years. Most recently, the 6th generation S Series received the Good Design Award 2024. The Good Design Award honours the yearly achievements of the best industrial and graphic designers and world manufacturers for their pursuit of extraordinary design excellence.

The new S Series combines design, quality and usability in the best possible way. Design is not just about a pretty appearance, but also about ergonomics, ease of use and efficient work. •



S SERIES WINS IF DESIGN AWARD 2025

The Valtra S Series has won the iF Design Award 2025. The jury particularly praised the tractor's sloping bonnet and custom front light design, which greatly enhances front visibility and safety in all conditions. Wide customisation options, such as the TwinTrac reverse-drive system, also garnered praise and were seen as an important part of the user-friendly design and customer experience. •

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VALTRA TEAM

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Valtra is a worldwide brand of AGCO



VALTRA AT LAMMA 2025

TEXT SARAH HOWARTH PHOTOS TOM WRAGG

Valtra was excited to be part of the UK's top agricultural event, LAMMA, this January. Even though the industry is still going through a tough patch, the organisers were thrilled to report a record-breaking turnout for the 2025 show, held on January 15th and 16th. While final numbers are still being worked out, early estimates suggest over 40,000 attendees – the biggest crowd in

the show's 40-year history.

The vibe at the event was definitely upbeat, and it was fantastic for the Valtra team to chat with both familiar faces and new potential customers throughout the two days.

"Being at the show is key for the Valtra brand in the UK," says **Sarah Howarth**, Valtra UK & IE Marketing Manager. "It's a great chance for us to connect with our customers and meet up with our UK dealer

network. LAMMA is the perfect place to showcase our full range of tractors and the latest smart farming tech."

Lamma 2025 has been one to remember, bringing a fresh wave of positivity and a sense of hope to the UK farming community after a very tough year. There is optimism that this good vibe will continue at other shows Valtra will be at this summer, like the Royal Highland and Royal Welsh Shows. •



The Valtra UK and IE team on the Valtra stand at LAMMA 2025.





Valtra A105 helps ensure safety at Misano World Circuit in Italy

MULTIPURPOSE TRACTOR REVOLUTIONISES TRACK MAINTENANCE

The addition of a Valtra A105MH4 to the Misano World Circuit's fleet has helped save time and significantly improve operator safety. Luigi Guado, Technical Manager at Misano, is in no doubt: "The feedback has been excellent, and I would definitely recommend it to other circuits."

TEXT BARBARA RIGHINI PHOTOS LUCA FABBIAN

The Misano World Circuit Marco Simoncelli is situated in the Italian town of Misano Adriatico in the province of Rimini. Owned by Santa Monica Spa, the circuit has an impressive 52-year history and is recognised as a world landmark in motorsport. With a track length of 4226 metres and 16 corners, the circuit currently hosts MotoGP and SBK races, the GT World Challenge

Europe and the ACI Championships.

"Our Valtra A105 is crucial to the day-to-day running of the circuit. Activities here are often hectic. We host 290 days, including sports and commercial activities. There are 22 or 23 race weekends a year for cars, motorbikes and trucks. The track must be perfect at all times to ensure safety," **Luigi Guado** emphasises.



Misano World Circuit wins prestigious design award
The Misano World Circuit Marco Simoncelli is not only famous for its motorsport but also for its colours. In 2024, the circuit took home the prestigious Compasso d'Oro ADI design award. Graphic designer **Aldo Drudi** won the award for the second time in his career. He is also famous among fans for designing **Valentino Rossi's** helmets.

The circuit's escape routes have been painted in bright and impressive colours that make the circuit instantly recognizable to fans all around the world. Each area of the circuit has a different design, covering a total of 20 thousand square metres.



Custom harrow maintains gravel beds

One of the key elements in ensuring safety at the Misano World Circuit is the proper maintenance of the gravel beds, which are essential for the braking effect in the run-off areas. To ensure that the gravel maintains its properties, it must be moved at least twice a week, an operation that varies depending on weather conditions and the intensity of track use.

To meet this need, the Misano World Circuit collaborated with a local craftsman to design and manufacture a custom-made harrow that is unique and not available on the market. This custom tool allows the gravel to be worked optimally, preventing compaction and ensuring even distribution.

"The gravel must always be ready to perform its role in the event of a race," explains Technical Manager Luigi Guado. "Thanks to this harrow, we can keep it in perfect condition, ensuring maximum safety for drivers and crews."

The harrow, used in conjunction with the Valtra A105MH4, has become an indispensable tool for maintenance operations at the circuit.



The A105 with four-step powershift began its career at the circuit in July 2024.

"Before we had machines that needed frequent maintenance. We chose the Valtra after a market study and on the advice of the local dealer, F.lli Bruschi S.r.l. Our expectations have been fully met."

Efficiency and versatility on the racetrack

The tractor is at the heart of the circuit's operations at the circuit.

"We use it in combination with a blower to clean the track, as well as to resurface the gravel beds using a tailor-made harrow. With the blower we remove rubber chips, gravel and grass at least twice a day. We use the harrow a couple of times a week to keep the gravel beds in good condition. The gravel needs to be broken up frequently to ensure braking. With the A105MH4 we have reduced the cleaning time, and it enables just one operator to do all the work".

The Valtra A Series helps ensure not only safety on the track, but also safety and comfort for the operator.

"Filters in the cab block dust and pollen, and the seats are comfortable and prevent vibrations. The cab is also insulated from the outside to reduce noise. Visibility is good, which also contributes to safety on the road. This is a tractor that does not make you feel tired, and it is agile and easy to manoeuvre," Luigi Guado confirms.

Advanced technology

The A105MH4 at the Misano circuit is equipped with both cab and front axle suspension. Other comfort features include a cushioned and adjustable seat that rotates both left and right, so that the implement is always easy to control and there is no risk of bad posture. The noise level inside the cab is less than 75 dB, while visibility is excellent thanks to the 5.5-square-metre window, sloping bonnet and roof hatch. With AutoTraction as standard, stops and starts are smooth, while the 2430 mm wheelbase enhances stability.

One of the main requirements at the Misano World Circuit is that its equipment is available at all times. They cannot risk closing down the

circuit due to equipment failure. For this reason, Technical Manager Luigi Guado decided opted for the Valtra Connect telemetry service.

"Our trusted dealer monitors our Valtra remotely all the time. He checks the need for maintenance and intervenes when necessary thanks to the alerts he receives. This gives us a lot of peace of mind," Guado says.

An environmental choice
Environmental sustainability is an important issue for both the Misano World Circuit and Valtra. The A105MH4 was chosen with this in mind.

"We are certified to ISO 20121 standards for event sustainability and undergo annual inspections. The certification also includes an inspection of the vehicles used on the circuit," Guado explains.

The Valtra tractor, which runs on biodiesel, also meets the Stage V standard for emission control. The 4.4-litre engine always uses clean air and consumes less fuel thanks to the elimination of the EGR valve. •



Valtra A Series

GENERAL PURPOSE TRACTOR

TEXT TOMMI PITENIUS PHOTO VALTRA ARCHIVE

Valtra's smallest tractor model series was named the A Series in 2002. The roots of this tractor series go back much further, of course, and an all-new A4 was introduced in 2017. This was updated to its fifth generation in 2021.

A Series tractors are efficient and easy to use. Climbing into the cab is very easy, and there is good visibility in all directions from the driver's seat. All the controls are also in the right places.

All A Series tractors feature Valtra's well-known forward-reverse shuttle, which also has an integrated parking brake. The best-

selling models are the A105 and A115, which are available with the electronically controlled HiTech4 transmission with a four-speed PowerShift.

The engines comply with Stage V emissions regulations. The exhaust gases are cleaned by an SCR system using AdBlue and a particulate filter. The engines do not have exhaust gas recirculation (EGR), so the engine always uses clean and fresh air.

The tractor is available with a comprehensive range of options, including cab suspension, auxiliary hydraulics for the intended work tasks, and versatile cab equipment. •

Sustainable acceleration into the future with ISO 20121 certification

The Misano World Circuit has accelerated in recent years its commitment to social, environmental and economic sustainability. In 2021, it obtained ISO 20121 Sustainable Event Management System Certification. The certification requires ongoing commitment to its maintenance.

"The certification involves a significant reduction in environmental impacts and risks, such as energy and water consumption, use of energy from renewable sources, recycling and reduction of waste and scrap, use of compostable materials for food and beverage, and control of workers in the event organisation supply chain. The certification in itself entails a responsibility that extends throughout the supply chain," says **Luca Colaiacovo**, President of Santa Monica Spa, owner of the Misano World Circuit.

	hp/Nm	transmission	engine l/cyl.	hyd. l/min	lifting capacity kg
A75	75/315	12+12/24+24	3,3/3	65	3000
A85	85/350	12+12/24+24	3,3/3	65	3000
A95	95/355	12+12/24+24	3,3/3	65	3000
A105	105/435	12+12/16+16	4,4/4	98	4300
A115	115/455	12+12/16+16	4,4/4	98	4300
A125	125/520	12+12	4,4/4	98	5200
A135	135/540	12+12	4,4/4	98	5200





The Cloney family farms on Ireland's East Coast, near Wexford Town.

CLONEY'S FOUR-TRACTOR FLEET, INCLUDING THREE VALTRAS

A Valtra Q305 chosen last year to increase productivity for heavy cultivations has since clocked up more than 2,200 hours and continues to impress its owner and users.

TEXT AND PHOTOS DAVID WILLIAMS

Farming at Curracloe, near Wexford Town on Ireland's east coast, **Michael Cloney** relies on a four-tractor fleet, three of which are Valtras. The family's own farming enterprise includes 400ha of arable crops, but the business also provides general contracting

services across 600ha of arable and grassland to local farmers.

"Our mixed fleet has always included several Valtras, as they are reliable and hold their value," Michael explained. "Previously, our largest was a T234 and although it could handle our five-leg Sumo

subsoiler and a 4.5m Horsch Terrano heavy cultivator, we wanted extra power to increase work rates during limited weather windows for late season drilling.

"For a powerful tractor, the Q305 is incredibly versatile. It's well matched with our new Amazone

5m power-harrow combination drill. During late autumn we achieved the high work rates we hoped for, including drilling seven fields totalling 68ha in a single day."

Main operator, **Mossy Scanlon** says the Valtra is more user-friendly than competitor brands. "We added the SmartTouch Extend terminal for GPS guidance and mapping, while the main SmartTouch display provides Isobus control of the drill and other implements.

"I set up and save profiles for every task, including allocating implement controls to the tractor joystick. Field maps are simply created, then SmartTurn headland management sequences can be programmed for increased efficiency and accuracy, making long working days less tiring."

During drier weather last autumn, the Q305 worked almost continuously for three full days with the power-harrow drill. In one

24-hour period, 23.5 hours were worked, and 664 litres of diesel were consumed - averaging 28 litres per hour, despite only 17% idling time.

"The Q305's engine and ML260 CVT transmission are efficient, but Smart farming applications save fuel and money too. Accuracy is better without overlaps or misses, and several tonnes of fertiliser were left over after the season. Prices are high so potential cost savings are significant," observed Michael.

The Valtra fleet also includes the T234 and an N154 with a front loader. "Valtras are user-friendly and comfortable, and latest models feature significant improvements over earlier versions," Michael continued. "Our dealer, Kilkenny Agri Machinery provides great support. Sales Manager, **Brian Roche** and the service and parts teams are always available at the end of the phone. Service is a big

thing – there's no point buying good tractors if there isn't a good dealer team looking after them." •



Farmer, Michael Cloney (left) with operators, Mossy Scanlon (in the cab) and Damien Doyle.



Pictured (l-r) The Q305's main operator, Mossy Scanlon; farmer, Michael Cloney; operator Damien Doyle and Kilkenny Agri Machinery Sales Manager, Brian Roche.

A small feature that is a big help

WAYLINE ASSISTANT MAKES HEADLAND DRIVING EASY

Valtra Guide is becoming familiar to anyone working with newer tractors. The factory-installed autoguidance system has been available as an option for 20 years already, but its use has become increasingly common in recent years, and it is now installed on the majority of tractors. The Wayline Assistant feature on Valtra Guide makes using the autoguidance system even more convenient and versatile.

TEXT TOMMI PITENIUS PHOTO VALTRA ARCHIVE

Traditional autoguidance is based on the tractor automatically following an A-B or curved wayline created along the long side of a field or some other direction. This is a great help, but it has often been more convenient to manage headlands by driving manually.

“Wayline Assistant provides two new wayline types: Single Contour and Segmented Wayline. Single Contour is one long wayline that consolidates all the driving on a field into a single wayline, including headlands and the middle of the field. Single Contour is designed especially for plant protection and fertilisation, where driving is done in the spray grooves created during sowing. This wayline type can also be applied to other uses as well. For example, in Norway, resourceful snow contractors have used this wayline type to plough snow in the mountains and on forest roads where there is so much snow that it is impossible to see where the road is going. In these cases, the wayline in question has been recorded in the summer while driving using an RTK correction signal. Segmented

Wayline, on the other hand, consists of up to 20 separate wayline segments, which can be either straight or curved. The best thing about this is that the system can jump between different segments itself based on the direction of travel of the tractor,” explains **Johan Grotell**, Technology Product Specialist at Valtra.

Three ways to create segmented waylines

Segmented waylines can be created in three different ways.

The first way is to manually save the segments in the field, for example by driving around the entire field once and recording the segments manually while driving. From this, Wayline Assistant automatically creates suitable waylines for the entire field. At the same time, a so-called “basic wayline”, which is usually the most sensible working direction in the field, is created, along with all the headland waylines in the field. If desired, these segments can then be used to easily create the outer boundary of the field with a few



This Single Contour wayline was created for supplementary fertilisation and crop protection. The idea is to drive through the field manually along the spray lines during the recording phase and record the route at the same time. The green triangle is the starting point and the red is the end point of the recording. The recording is made for the entire field (inner part + headlands), as a result of which the tractor can drive the entire field itself during the next spreading or spraying. Contrary to the image, centimetre accuracy of the correction signal is mandatory to guarantee a good result, because the Single Contour line cannot be moved.

button presses, in which case the system creates the field boundaries according to the working width outside the so-called “zero line”. The field boundary, in turn, enables virtual headland boundaries, which help to visualise exactly where the headland is. If Auto U-Pilot, SmartTurn and Section Control are used with an ISOBUS implement, the virtual headland can determine

the start or end of the automatic headland process.

Another way to create segmented waylines is from the field boundary, if it is already recorded in the system. If the field boundary does not yet exist, it can be recorded during the first driving round, or separately, and then with a few clicks wayline segments can be easily created based on the shape of the field boundary. The more shapes there are in the field, the more segments should be created. It is worth including gentle curves in one and the same segment, while tighter turns should be created separately, so that driving is as precise as possible. At the same time, it is not necessary to steer to a new segment and activate the

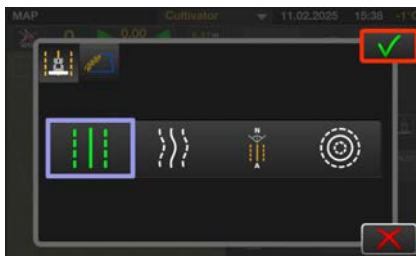
autoguidance system.

The third and final way to create segmented waylines is to create them by converting traditional A-B and Contour (curved) lines into segmented lines. Many experienced Wayline Assistant users have found this to be the most accurate way to get exactly the right wayline segments. In practice, this method will inevitably present itself for users who, for example, only acquire the Wayline Assistant feature at a later stage and have already had time to create basic waylines in their fields.

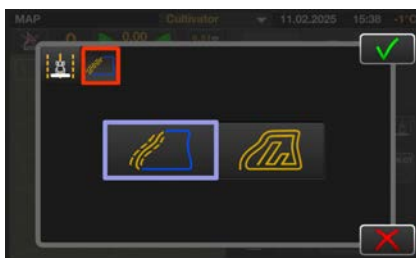
One of the biggest benefits of Wayline Assistant and segmented waylines is that when the driver wants to easily use multiple waylines while driving in the field, it is only necessary to steer the

tractor in the right direction and Wayline Assistant will identify the nearest correct wayline, after which the driver simply activates the autoguidance system. For example, when finishing off by driving the headlands and when turning in the headland, the driver simply grabs the steering wheel and steers the tractor and implement to another headland. There, the system can change the wayline itself using Wayline Assistant, and the driver only needs to activate the autoguidance system once the change in the wayline has occurred.

Once created, the waylines are stored in the memory and can easily be retrieved the next time you work in the same field, even in the following harvest season. •



These four wayline options are standard in Valtra Guide. There is also another tab in the top left corner, which is only visible if the tractor has Wayline Assistant enabled.



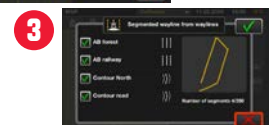
In the Wayline Assistant view, you first select whether you want to create Segmented Waylines (left) or Single Contour Waylines (right).



There are three options for Segmented Waylines: On the left, wayline segments are created manually by driving and recording. In the middle option, segments are created by copying from the outer boundary of the field. The third and right-hand method is to convert wayline segments from traditional waylines.



1. Manually recorded segments can look like this. In this example, four segments have been created, one for each side of the field.
2. If the field boundary has not already been created, it is possible to create it based on segments, which eliminates the need to go around the field and record the field boundary manually. For a good result, the wayline segments must be created very precisely.
3. Wayline segments can also be created from the outer boundary of the field. The advantage here is that if the field boundary already exists, the segments can be created while standing still with a few taps of the SmartTouch display. The system will ask the user to indicate with arrows how many segments they want in the field. It is important to find the right balance between accuracy and ease of use. The shape of the field dictates how many segments should be created.



NEW LUBRICANT SUITABLE FOR OLD AND NEW VALTRA TRANSMISSIONS

Introduction of a new premium universal tractor oil (UTTO), developed to fulfil the requirements of your Valtra Tractor.

TEXT TOMMI PITENIUS PHOTOS VALTRA ARCHIVE

The new lubricant, Valtra Superior Transmission Oil, is suitable for all Valtra transmissions, from the newest to the oldest, including the AGCO CVT transmission. The new lubricant has even better properties than before.

Valtra Superior Transmission Oil offers improved wear protection for gears and bearings, improved wear and corrosion protection for hydraulic pumps, encourages perfect friction behaviour of clutches and wet brakes and with a higher

viscosity index, improves shear stability.

This grade is also backwards compatible for transmission applications, hydraulic systems applications, wet brake applications and clutch applications where Valtra Transmission XT60 is currently used.

"The XT60 lubricant has been very popular among our authorised service dealers and end customers. It has been in use for a long time, has excellent properties and is competitively priced. The new lubricant has even better properties and is also suitable for the latest continuously variable transmissions," says **Petteri Väisänen**, Product Manager, Complementary Products, at AGCO Suomi Oy.

"Valtra Superior Transmission oil meets Valtra's latest G2-A22 specifications, as well as older specifications. The new lubricant offers, for example, better shear resistance, meaning it can last longer with consistent quality. It also works better with different seal materials. The latest gearboxes require these properties from the lubricant," says **Ville Suihkonen**, Product Development Engineer at Valtra.

Testing with the new lubricant began in spring 2021, and it has since been driven for thousands of hours on more than ten different



New lubricant, Valtra Superior Transmission Oil, is suitable for all Valtra transmissions.

tractors. The properties of the Valtra Superior Transmission oil also take into account future needs. The semi-synthetic lubricant has excellent cold properties and oxidation resistance.

In terms of production volume, transmission oils are the most popular product in Valtra's lubricant product family. For example, when servicing an S Series tractor, a total of 160 litres of Valtra Superior Transmission oil is needed for the transmission and hydraulics.

The new Valtra Superior Transmission oil is available from April 2025, in 5-litre, 25-litre, 200-litre, 1000-litre IBC and in bulk, for the UK & Ireland. •





DEALER OPEN DAY CELEBRATES RETIREMENT OF DEALER PRINCIPAL AND HIS WIFE

A classic Valmet 6400 was the star attraction at a Scottish dealer open day that also marked the upcoming retirement of the Dealer Principal and his wife.

TEXT AND PHOTOS DAVID WILLIAMS

Alistair Young Engineering Ltd was started by Alistair Young (senior) in 1981 and took on the Valmet and then Valtra franchise for northern Scotland in 1994.

Since 2004, the business has been managed by **Alistair Young** (junior) and his wife, **Trudi**, but with strong family succession in place they will soon hand over the reins to the next generation.

"Farming is a people business and brands I represent have to be good or I won't supply their products," stressed Alistair. "We look after approximately 500 tractors across our trading area, and are relied on by farmers, forestry companies, environmental groups, municipal organisations and even fish farms. The current Valtra range

is excellent, but even in our early days supplying Valmet, the features and reliability were well ahead of any competition."

Classic Valtra was main attraction

The open day was at the Black Isle Showground in mid-October. "My father had no idea that we were also celebrating his retirement," explained Alistair's daughter, **Ashleigh** who will take over running the business with her uncle, **Steven Young** and cousin, **Neil Murdoch**. "We knew it would be well attended as many customers are also firm friends. Even though the latest Valtra tractors and machinery from other industry-leading suppliers were displayed, it was the Valmet

6400 that my father recently restored that attracted most attention."

The Valmet was one of the first sold by Alistair, in 1996. The estate that bought it changed hands just a few years later in 2000, and the tractor left the area following a dispersal sale. In 2015, a member of Alistair's sales team accepted the Valmet as a trade in against a new Valtra and, as soon as it arrived in the yard, Alistair recognised it as the tractor he had supplied new almost 20 years before.

"It had worked 10,000 hours but was in good condition, so I decided to restore and keep it," continued Alistair. "Unfortunately, there was never enough time available, so it remained in storage until last year when I decided to finish it before my retirement.

"The open day created an ideal deadline, and because Valtra could still supply every part needed from stock, apart from small Sisu engine decals which we had made up, the job was finished with a few weeks to spare."

Confident in the future

"Things move on, and I wanted to hand the business over to our younger family members while I'm still enjoying it. We offer a great range of products and enjoy strong customer loyalty. I'm certain that the success will continue," Alistair concluded. •



Restoration of the 1996 Valmet 6400 was completed in time for the Alistair Young Engineering Ltd October open day.



The first stepless AGCO CVT transmission was assembled at the new plant already in November 2024, less than two years after planning began. Pictured from left to right: Pasi Laitinen, Tero Hämäläinen, Risto Nykänen, Teemu Lahtinen, Sami Muittari, Jarmo Liimatainen, Petri Puurtinen and Teemu Paakkari. Not pictured: Richard Palmroos.

New transmission plant completed on schedule and on budget

Q AND S SERIES TRACTORS NOW MANUFACTURED ENTIRELY IN FINLAND

The expansion of Valtra's Suolahti transmission plant, including all production equipment, was completed on schedule and on budget. This is a small miracle, considering that project planning began less than two years prior. The renovated transmission plant can produce over 10,000 transmissions per year, compared to the old plant's capacity of around 6000 transmissions.

TEXT TOMMI PITENIUS PHOTOS VALTRA ARCHIVE

The extension of the transmission plant is quiet, bright, spacious and high. The assembly, parts warehouse and testing areas are separated from the old transmission plant by a partition wall. In addition, 1300 square metres of new space has been built at the southern end of the old transmission plant, where two FMS machining systems, with a total of nine machining centres, will also manufacture parts for the new CVT transmissions.

"The schedule was quite tight. Planning began in early winter 2023.

Excavation work began in spring 2023 before the building permit, because you can dig the ground before the permit, but you cannot build. The foundations and the first pillars were constructed in summer 2023. When the concrete floor was poured in winter 2024, it was -35 Celsius outside, but the work still progressed normally. The construction work was completed in August 2024. After that, production equipment was installed. The first pre-series transmissions were completed in November 2024, and series production began in

early February 2025. Overall, the construction project progressed on schedule and on budget," says **Kullervo Mansikkala**, Senior Manager, Transmission Plant.

During the design phase, an accurate virtual model of the factory and its production equipment was created using advanced 3D technology. The model made it possible to plan material flows, ergonomics and work phases with even greater precision.

The transmission plant employs approximately 200 people and

manufactures transmissions for tractors manufactured at the adjacent assembly plant, but also gearboxes and their parts for Valtra's Brazilian factory and AGCO combine harvesters. The plant has traditionally manufactured around 5000 to 6000 transmissions annually, but now the capacity is almost double and the plant is ready to meet demand.

"The demand for tractors is currently low, so we are not starting with full production volume. As demand recovers, the production volume will be increased. In addition to supplying the Suolahti factory, our continuously variable transmissions will also be exported to other AGCO factories," says Mansikkala.

Electric actuators and transport robots

As a building, the new plant is not particularly revolutionary. Naturally, it has been made as energy efficient as possible, and the electricity and heat it uses are completely renewable. The real new technology can be found inside the plant. For example, the actuators now operate on electricity rather than compressed air, which reduces noise and improves quality.

"We already have a lot of automated guided vehicles and automated machining centres on the old side, but here we also have new AMR – Automotive Mobile Robots. These transport components from the parts warehouse to the assembly line and empty collection racks from the assembly line to the warehouse. They

do not just follow a pre-programmed route but can also, for example, avoid obstacles and continue their journey. They have been programmed to operate within a kind of tube, inside which they are free to find their way."

In addition, a total of approximately 1000 square metres of social and break rooms and offices have been built on the west and east sides of the transmission plant. Previously, the offices were inside the plant, but now this space has also been released for production use.

"The machined casings of the transmissions are washed in a new high-pressure and automatic washing line. The new system can remove even the smallest particles from even the most difficult places. In addition, the casings are coated with a matte paint. These two processes together help to produce high-quality transmissions."

The actual assembly line has nine stages, and the stage time is initially 25 minutes. The automated guided vehicle system allows the assembly line to be used flexibly according to demand, as each transmission is on its own platform. The main assembly line is fed by four sub-assemblies on one side and six on the other.

"The new transmissions are technically very simple to manufacture. The old transmissions have over a hundred different versions, while the new one has just over 10 main variants. Employees who are transferred from other tasks at the plant have

been comprehensively trained in manufacturing the new transmission. There is relatively little new to learn, as the transmission is quite simple in structure and there are few work stages, but the work still never becomes monotonous." •

New transmission plant

- Manufactures stepless transmissions for Q and S Series tractors
- Capacity of approximately 5000 transmissions per year
- Used for machining and assembly
- 6000 square metres of new production facilities, 1000 square metres of other spaces
- Nine new machining centres
- Assembly line has nine stages and ten sub-assemblies
- Also includes a washing system, testing, offices, social rooms and changes to outdoor areas
- Old plant also manufactures around 5000 transmissions per year



The transmission plant is located between the engineering centre and the assembly plant. The outdoor areas have also been redesigned, and thanks to the new north gate, truck traffic around the transmission plant has been reduced to less than half.



Production Engineer Janne Vilhunen and Manufacturing Engineer Petri Puurtinen inspect parts bins at assembly points before commissioning of the new plant.

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Read more on the Valtra Blog:



S series front axle and front
linkage central lubrication system.

Champagne vineyard stands out with its Valtra Unlimited tractors

DIFFERENT BY NATURE

TEXT AND PHOTOS AGTRACKS

Édouard Vesselle represents the third generation of the family estate founded in 1955 by his grandfather, Maurice Vesselle, whose name the brand still bears. Domaine **Maurice Vesselle** is now in the hands of grandchildren Édouard and Louise.

The estate comprises eight hectares of vines and one hundred hectares of fields. Keen to preserve the Bouzy terroir, the two Vesselle brothers hoe, dethatch and plough all their vines as they did in the past. In keeping with this approach, the HVE (High Environmental Value) certified estate has committed itself to respecting the environment and biodiversity.

On the plains, the family cereals, alfalfa, sugar beet and maize. And because there were a few gaps in the labour schedule, they also run a vineyard services business specialising in vine boletus removal, mowing and stone cleaning using a caterpillar excavator and trimming with their straddle hoe.

Seven Valtras, five colours

In 2016, when the estate needed to renew one of its four-cylinder tractors, the local Martel dealership proposed a Valtra N174, at the time the most powerful four-cylinder on the market. This opportunity gave rise to a relationship of trust that has been fostered through quality service.

Since then, the estate has purchased seven Valtra tractors altogether, with a renewal policy every three years. The fleet now consists of three tractors: a T235, an N155 and an N175. Two were ordered in bronze and one in black.

"We have had a red, grey, white, black and bronze Valtra, so maybe the next one could be khaki!" Édouard Vesselle says with amusement.

As well as the customisation offered by the Unlimited Studio, the Vesselles are unanimous in their praise for the



brand's ability to listen to users and the developments offered by the recent evolution of the 4th, 5th and 6th generations, including the ease of use of the SmartTouch terminal. They also emphasise the strength of the financing offers, which enable them to better control their mechanisation costs.

Direct transmission and GPS
All the Valtra tractors are configured with a Direct continuously variable transmission and real-time kinematic positioning (RTK) GPS. In practice, the N155 is used as a seed drill, the N175 as a plough and the N235 as a power harrow, so it is also fitted with remote inflation and 700mm tyres. Édouard uses it all the time, and the pressure varies between 0.8 and 1.3 bar.

The Direct transmission in turn offers ease of use, comfort and the ability to regulate fuel consumption. When it comes to GPS, Édouard Vesselle has nothing to be ashamed of compared with the major cereal growers: his entire plot of land is mapped, he uses line sharing and even Auto U-Turn headland management.

As for the winegrowing business, the three Valtra tractors contribute to the production of Bouzy red wine and champagne by transporting the crates of grapes to the press. •

Exclusive wines and champagnes

The Maurice Vesselle champagne vineyards are located exclusively in the Grand Cru, in the communes of Bouzy and Tours-sur-Marne. These two villages are renowned for their Pinot Noir grape variety. With its qualities of power and roundness, this variety is used to produce Bouzy Rouge, as well as champagnes when blended with the Chardonnay variety, which brings finesse and lightness. And, because the estate does nothing like the others, at Bouzy they also make a Rosé Grand Cru champagne, which is obtained by short maceration without the addition of red wine. Twenty percent of these cuvées are destined for the French retail market and eighty percent for export through distributors on virtually every continent.



The 2015 N123 spends much of the winter powering the diet feeder. Although space is limited when working in the buildings, the T175 is nimble and compact enough to perform the task instead.

RUNNING A THREE-VALTRA FLEET

TEXT AND PHOTOS DAVID WILLIAMS

The busy owners of an award-winning, southern Irish dairy farm bought their first Valtra tractor in 2013. Having been impressed by the reliability and comfort as well as back-up from the local dealer, they now rely on a three-Valtra fleet.

“Reliability is our priority,” explained **Brian Shorten**, who farms with his parents **Ronald** and **Betty** at Woodfield, near Clonakilty, Co Cork. “We just can’t afford breakdowns when the weather is right for harvesting or silage making, but comfort is also

important during the long working days.”

The Shorten family has a herd of 126 Holstein Friesian milking cattle. Operating a spring and autumn split block calving system and a 305-day lactation helps maintain constant yields – currently averaging 577kg of milk solids with a cell count of just 69,000, as well as high quality – 4.45% fat and 3.53% protein. The family has won awards for the herd’s performance. “Most of our milk is for a well-known cheese maker and attention to detail is essential to achieve and maintain a

quality supply,” he continued.

The mixed enterprise includes 35ha of permanent grass grazing and 40ha of rotational crops including maize, fodder beet, grass for silage and barley for feed and straw bedding. “We work closely with my uncle **Karl** who farms nearby running a beef cattle finishing enterprise, and listen to his machinery recommendations,” Brian continued. “In 2013, he said how much he liked his new Valtra. So, we contacted the local dealer, Paudy Buckley Tractors, agreed a deal for an N143 to replace our

existing brand, and haven't looked back."

The current fleet consists of a 2015 N123 with 7,500 hours, a 2022 T175 with 1,000 hours and a G135 bought last year. The T175 has GPS guidance and autosteer. "Valtra Guide is operator friendly," Brian confirmed. "It saves time and achieves better results. Bouts line-up, so 'shorts' occur at just one end of the fields, and for tasks such as power-harrow drilling which are slow and expensive avoiding overlaps keeps costs to a minimum. I use Valtra SmartTurn for headland turns, which reduces fatigue and increases efficiency."

The tractors all have front axle, cab and pneumatic seat suspension. "There's enough hardship in farming without an uncomfortable ride," stated Ronald. "We work long hours, but also rely on regular casual labour for the silage and harvest seasons. We need comfortable, operator-friendly



Pictured with the three Valtra tractors are (l-r) Brian Shorten; Paudy Buckley Dealer Principal, Daniel Buckley and Ronald Shorten. Brian says his family can rely on back-up from the dealer.

machines."

Brian said that he always compares other makes of tractors when machines are due for updating, although Valtra remains the preferred brand. "They are well

equipped and comfortable; they give us the reliability we need in a busy silaging season and we know we can rely on back-up from **Daniel Buckley** and the team at Paudy Buckley Tractors." •



Dairy farmer, Brian Shorten describes the Valtra tractors as extremely capable and versatile. "The G135, N123 and T175 are each preferred for certain tasks, but if any of them is needed elsewhere then one of the others can always take over," he said.



Brian Shorten says that the Valtra Smart Farming applications are easy to use, and that Valtra Guide saves time and improves results.



The first Finnish tractors arrived in Switzerland on 6 June 1995.

30 YEARS OF FINNISH TRACTORS IN SWITZERLAND – DIFFERENT COUNTRIES, SHARED GOALS

Every Swiss Valtra fan should mark 1 June on their calendar, the birthday of Valtra tractors in Switzerland. On Thursday, 1 June 1995, a new era began when the joint venture Sisu Maschinen AG started selling Finnish tractors in Marthalen, in the canton of Zürich.

Within a week, the first batch of Finnish tractors, then still branded under the Valmet name, arrived. Interest in the new brand was high, and demonstrations in practical work convinced Swiss customers of the high quality of the machines. Soon, deals were being made, and seven tractors were sold in the first year. Today, around a hundred Valtra tractors are sold in Switzerland each year, and sales numbers continue to grow.

Switzerland was not chosen by chance. The Finnish tractors were known for their durability: they were designed for the harsh and variable weather conditions of Finland. This was important not only for farmers,

but also for contractors working in forestry, agriculture and municipal engineering. In Switzerland, their tasks often take them into snowy forests and, quite literally, the mountains.

Valtra started in Switzerland 30 years ago with a bold and pioneering spirit and is now an integral part of

the Swiss agricultural machinery market. It is no longer possible to imagine those beautiful landscapes without Valtra tractors. The current importer, GVS Agrar AG, inspires its customers with Finnish innovations in line with its motto “Mehr als Lösungen – more than just a solution”. •



A new S Series arriving in Switzerland 30 years later.

T-SHIRT 42806801-07 **£26.51**

- Doubled 3D effect in the front
- VALTRA -logo reflected on the right hand side and Streamline -logo on the left hand side.
- 100% cotton.



CAP 42803860 **£13.25**

- Black cap with embroidered logo.
- Snapback fastening.
- 100% cotton.



LADIES' T-SHIRT 42808712-16 **£26.51**

- This black T-shirt features a striking rhinestone tone-on-tone print.
- Loose, feminine model. Hemmed cuffs.
- 95% cotton, 5% elastane.



KIDS T-SHIRT 42802713-6 **£17.95**

- The T-shirt features a fun tractor print.
- Certified 100% organic cotton.
- Sizes 98/104, 110/116, 122/128, 134/140 and 146/152.



KIDS CAP 42803880 **£15.73**

- Snapback fastening.
- 100% cotton.



PEDAL TRACTOR 42806200 **£202.91**

- The hood opens up to reveal storage space.
- Adjustable seat with four different positions. A roll bar behind the seat.
- The tractor features a protected fixed-chain drive and an especially strong 12-mm rear axle.
- Net weight 15.6 kg.
- Recommended age 3–10 years.
- Manufacturer Rolly Toys.
- Made in Germany.



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Valtra Models



F Series

MODEL	MAX. HP*
F75	75
F95	90
F105	103



A Series

MODEL	MAX. HP*
A75	75
A85	85
A95	95
A105	105
A115	115
A125	125
A135	135

All A Series models are available with the HiTech (12+12R) transmission. A75–A95 models are also available with the HiTech2 transmission and A105–A115 models with the HiTech4 transmission.



G Series

MODEL	MAX. HP*	
	STANDARD	BOOST
G105	105	110
G115	115	120
G125e	125	130
G135	135	145

All G Series models are available with the HiTech, Active or Versu transmission.



N Series

MODEL	MAX. HP*	
	STANDARD	BOOST
N135	135	145
N155e	155	165
N175	165	201

N Series models are available with the HiTech, Active, Versu or Direct transmission.



S Series

MODEL	MAX. HP*	
	STANDARD	BOOST
S286	280	310
S316	310	340
S346	340	370
S376	370	400
S396	400	420
S416	420	420



Q Series

MODEL	MAX. HP*	
	STANDARD	BOOST
Q225	230	250
Q245	245	265
Q265	265	290
Q285	285	305
Q305	305	305



T Series

MODEL	MAX. HP*	
	STANDARD	BOOST
T145	155	170
T155	165	180
T175e	175	190
T195	195	210
T215	215	230
T235	235	250
T235 Direct	220	250
T255	235	271

T Series models are available with the HiTech, Active, Versu or Direct transmission with the exception of the T255 model, which is available with the HiTech, Active or Versu transmission.



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