

VALTRA TEAM



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EDITORIAL



2021 – A celebratory year for Valtra

Welcome to the first Valtra Team of 2021. In spite of us facing such a challenging year in 2020 with the on-going pandemic we were able to rise to the challenge and managed to successfully grow the Valtra brand to record levels in both the UK and IE, a fantastic achievement.

We go into 2021 with great optimism. We have many things to look forward to as we enter a milestone year for Valtra – our 70th anniversary. Valtra tractors are now on their 5th generation. Our new Valtra 5th generation G Series was successfully launched last August and the G135 Versu was awarded the Best Utility Award at the 2021 Tractor of The Year Awards in December. We have now just introduced the new 5th generation A Series tractor and there are many more exciting product developments taking place this year.

To mark our anniversary, we are manufacturing 70 specially equipped Limited Red Edition T Series tractors. The specially equipped anniversary models feature a deep red metallic paint reminiscent of Valtra’s roots 70 years ago. The red colour is also highlighted in the details of the tractor, including in the stitching of the leather interior and the interior light. These are flying off the shelf so if you want to get your hands on one be quick!

For more information about our 70th anniversary celebrations and the special limited Red Edition please visit our website at www.valtra.co.uk/70years

Alan Sanderson
MANAGER VALTRA NATIONAL SALES UK & IE



CHANGE IN AGRICULTURE CHANGES TRACTOR WORK

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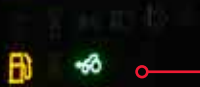


The LCD screen at the top of the display unit displays speeds, temperatures, fluid levels and the time.



The brightness of the screen adjusts according to the light and can be dimmed altogether at night with the exception of key information.

The LED screens at the centre and bottom display indicator and warning lights.



The new smart display unit is operated by the easy-to-use controller on the right of the steering column.



The large TFT screen in the middle displays key tractor and implement functions in the format selected by the driver.

NEW SMART DISPLAY IS EASY TO READ

One of the most visible new features on 5th generation N and T Series tractors is the new display on the A pillar, where all the important information can be easily seen on the colour screen.

The new smart display replaces the traditional instrument panel behind the steering wheel. At the same time, the entire front section of the cab has been completely redesigned.

The top of the display screen always displays default information, such as the driving speed, engine speed

and time. Below that, the driver can select information for controlling the tractor and implement in the desired format, as well as any other information that is needed at any given time.

The same display can also be used on HiTech and Active models to make all engine, hydraulics and transmission settings. The screen displays the settings and gears clearly, making it easy to optimise the performance of the tractor. •

www.valtra.co.uk

NEWS



The Valtra G135 Versu with SmartTouch was named Best Utility tractor in the Tractor of the Year competition.

G Series wins Tractor of the Year award

The Tractor of the Year jury has picked the new Valtra G135 Versu in the Best Utility category for 2021. The jury awarded the multipurpose and utility tractor above 70 horsepower that offers the best solutions available on market.

Introduced in autumn 2020, the Valtra G Series brings the advanced features of bigger tractors to smaller tractors in the 105–135 horsepower range. Versu models feature a Powershift transmission and easy-to-use SmartTouch user interface. The G Series has been designed as an all-purpose tractor for farms that is ideal for front-loader tasks. The G-Series also

has a lot of precision farming features that have traditionally been available only for larger tractors.

Tractor of the Year is the most prestigious award in the industry. The jury comprises 27 European tractor journalists, each representing their own country. According to tradition, jury members have the opportunity to test drive the finalists in real-life conditions on the field. There are four award categories: Tractor of the Year, Best Utility, Best Specialized and Sustainable Tractor of the Year. The Best Utility category is for four-cylinder tractors with more than 70 horsepower. •



NEW LOGISTICS CENTRE IN FULL SWING

The new 10,000-square-metre logistics centre at Suolahti is now fully operational. The logistics centre has been handling all parts needed on the assembly line since August. Since the turn of the year, all parts on the subassembly lines have also passed through the logistics centre.

The handling of parts entering the warehouse and being delivered to the assembly line is semi-automated. The SAP system knows the exact equipment selected by each individual customer for their tractor and uses lights to guide the collector to the right parts, pick up the right quantity and put the parts in the right place in the collection trolley.

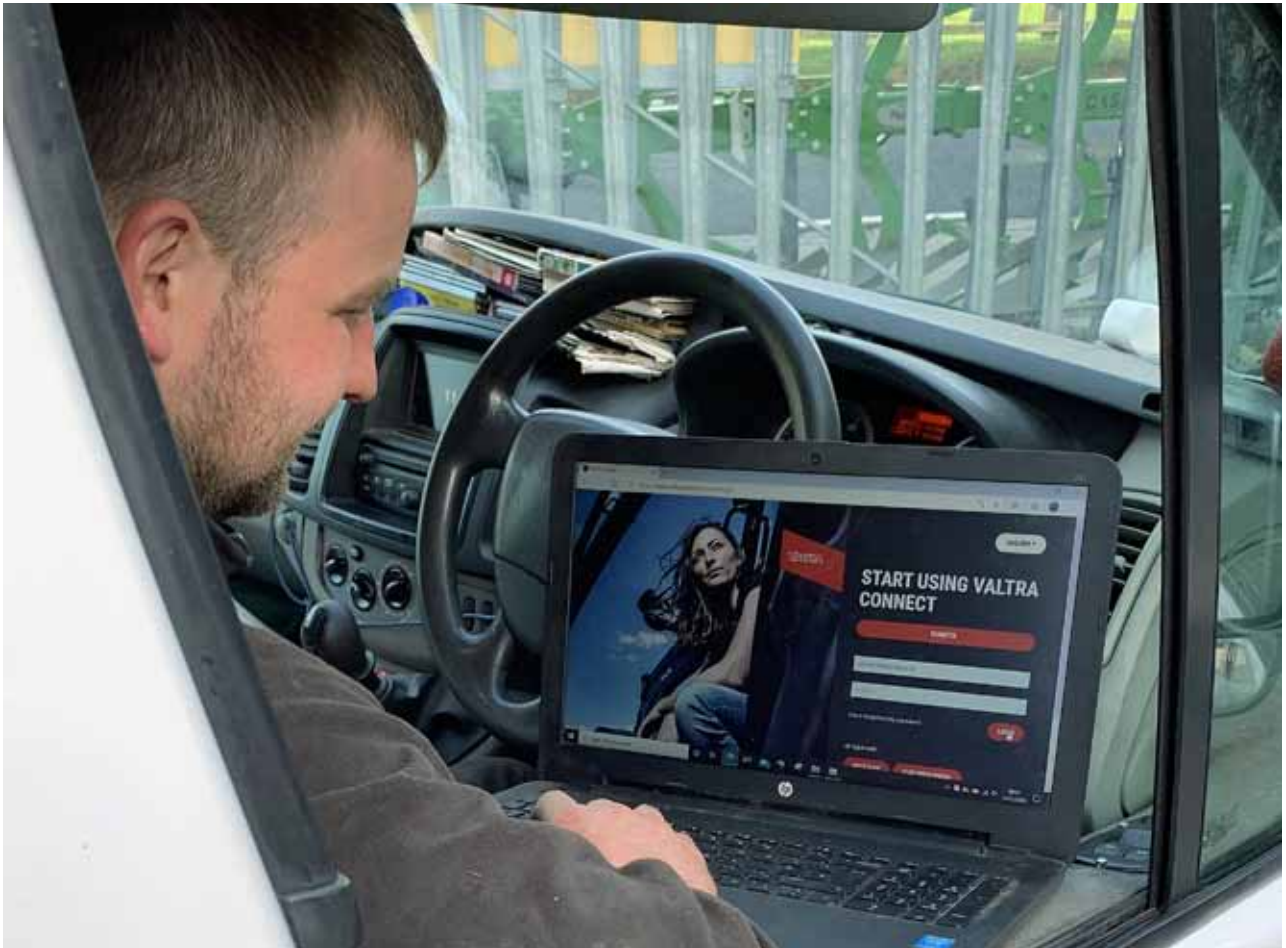
“The new logistics centre can handle a larger number of parts. Parts are now unloaded indoors, which improves working conditions and protects the quality of the parts. Occupational safety has also improved with less forklift truck traffic,” says Logistics Manager **Tommi Terävä**.

Around 1000 pallets of parts arrive at the centre each day. The shelves inside are 11 metres high, and the building has a volume of 100,000 cubic metres. Altogether, the new logistics centre stores around 10,000 parts. •

Internet: valtra.co.uk

VALTRA TEAM ISSN 2342-3285 (Print)
ISSN 2342-3293 (Online)

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CJ Cox Workshop Engineer Charlie Hill accesses Valtra Connect from his van.

CJ COX CUSTOMERS BENEFIT FROM VALTRA CONNECT

TEXT AND PHOTO DAVID WILLIAMS

A Dorset-based Valtra dealer who has represented the brand for more than 30 years says that Valtra Connect provides significant benefits for its customers.

CJ Cox Ltd registers all new tractors on the system as they are sold.

“It’s not something farmers think about when buying a new tractor,” Workshop Manager **Neil Warr** explained.

“We tell owners that their machines have telematics fitted, but most won’t think about it again

unless problems occur.”

All repairs start with a ‘phone call then, with the owner’s permission, engineers access the tractor’s operating data through the Valtra Connect app. Neil estimates that using Valtra Connect to diagnose problems results in 50 per cent of repairs being carried out more quickly and effectively.

“Fault codes have become very reliable and if our engineers can check for them and issues affecting the tractor’s performance before leaving our yard, then they can

either provide a solution by ‘phone, or if a visit is needed they can take the correct parts and tools for a first time fix.”

Dealer principal **Chris Cox** confirmed that Valtra Connect allows his team to look after customers and their machines more efficiently.

“Our business was built on service and if Valtra Connect helps us achieve greater customer satisfaction then it’s also more likely that they will buy Valtra tractors from us again.” •

5th generation N and T Series

FIRST-CLASS TRACTOR EXPERIENCE

The N and T Series have reached their 5th generation. Redesigned cabs, a new look, new transmission and engine features and the completely new smart display make it easy to use the latest technologies.

TEXT TOMMI PITENIUS PHOTOS VALTRA ARCHIVE



The 5th generation N and T Series offer a first-class tractor experience.

The new LED daytime running lights are the most obvious distinguishing feature from the outside on the new generation of N and T Series tractors.



The cab on the new N and T Series has been thoroughly revamped. The instrument cluster has moved from the steering column to the A pillar, where it is clearly visible. The approximately 40 centimetre high smart display is operated from below the steering wheel.



On HiTech and Active models, engine, transmission, hydraulics and other settings are made on the new smart display. On all models, it can be used to display the basic gauges and warning lights, as well as to view information selected by the driver.



A higher-quality dark Premium interior is available as an option in the cab and includes a leather-covered steering wheel, partially chrome pedals and rubber padding at the bottom of the storage compartments.

When climbing into the cab of a 5th generation N or T Series, it is obvious that the tractor has been thoroughly revamped. The first thing that catches the eye is the new steering column and the smart display on the right front pillar of the cab that controls multiple tractor functions, especially on HiTech and Active models.

Further improvements are revealed when driving. Starting off in the B and C speed ranges is easy, even with a heavy load, thanks to the new Start Boost feature. Changing between speed ranges is now faster, which is noticeable especially at road speeds. The performance of the engines is otherwise the same.

When working, Direct and Versu models are controlled from an even brighter SmartTouch screen. SmartTouch also has a new Help feature that provides easy assistance with various functions. On Active and HiTech models,

tractor settings are now made using the new display on the A pillar, which continues in the tradition of SmartTouch as the easiest-to-use control system in the industry.

New look inside cab

The steering column has been completely redesigned. The steering wheel is a little bigger than before but still handy in size, as is characteristic for Valtra tractors. The column with the light switches is behind the steering wheel on the left and the wiper column is on the right, while the forward-reverse shuttle lever is now a little more to the front of the steering wheel. The lever now automatically returns to the middle position after selecting the direction. As a result, the lever is always ready in the right position, even if the direction is changed frequently using the SmartTouch drive lever.

On all 5th generation N or T Series tractors, the new display replaces the traditional instrument cluster. The driver can select the information needed for the work situation on the

display, just like with SmartTouch.

On HiTech and Active models, the new display makes changing engine, transmission, hydraulics and other settings easier than ever. On Versu and Direct models, adjustments are made from the SmartTouch touchscreen, while the A pillar display makes it easy to monitor selected data.

New cab enhances productivity

The new cab is more comfortable and allows for more productive work. In SmartTouch models, the right side of the cab has been redesigned, and the seat swivels even more to the right. The right control panel also has a handy phone holder and optional USB charging points for mobile phones, tablets and other electronic devices. The upper part of the backrest on the new generation Valtra Evolution seat swivels with the driver and also provides support when the driver has partially turned around to look at the implement at the rear.

A higher-quality dark Premium



interior is available as an option in the cab and includes, for example, a leather-covered steering wheel, partially chrome pedals and rubber padding at the bottom of the storage compartments.

Technology makes working easier

The 5th generation N and T Series tractors have numerous features designed to make working easier. Changing between speed ranges has been made smoother thanks to the latest software and

components. Quick changes are possible when the transmission temperature exceeds 30 degrees Celsius.

Auto U-Pilot combines Valtra's innovative headland management system with Valtra Guide automated steering. Auto U-Pilot detects when the tractor is approaching the headland and engages the driver-programmed sequence automatically.

The headlights are now controlled using the new column to the left of the steering wheel.

The daytime running lights switch on automatically when starting if no other lights are selected. The driver can choose whether to use the upper or lower headlights and whether to use both with on full beam. •

N Series	Standard hp	Standard Nm	Boost hp	Boost Nm
N135	135	570	145	620
N155eco	155	610	165	660
N175	165	680	201	800

All models are powered by a four-cylinder 4.9-litre AGCO Power engine. The transmission options are HiTech, Active, Versu or Direct.

T Series	Standard hp	Standard Nm	Boost hp	Boost Nm
T145	145	640	170	680
T155	155	680	180	740
T175eco	175	740 / 850	190	780 / 900
T195	195	800	210	870
T215	215	870	230	910
T235	235	930	250	1000
T235 Direct	220	900	250	930
T255	235	930	271	1000

T145 and T155 models are powered by a six-cylinder 6.6-litre AGCO Power engine, while T175–T255 models have a six-cylinder 7.4-litre AGCO Power engine. The transmission options are HiTech, Active, Versu or Direct, except the T255 model, which is not available with the stepless Direct transmission.



Valtra's forward-reverse shuttle lever has been updated.

A SERIES ENTER ITS 5th GENERATION



More 4th generation A Series tractors have been built at the Suolahti factory in Finland in just a few years than the previous A3 generation. Now Valtra is introducing the 5th generation A Series. The 4th generation A Series won the Machine of the Year award twice, in 2017 and 2019. Now, this popular model is entering its 5th generation with many new features that have been requested by customers.

The model range continues to comprise seven models, all of which are available as GL versions with an easy-to-use mechanical transmission. The most popular 105- and 115-horsepower models are also available with a four-step Powershift. The transmission on these HiTech 4 models is controlled completely electronically. All models feature Valtra's well-known forward-reverse shuttle with integrating parking brake.

"Operating the A Series has been made even more efficient and comfortable in many ways. Powershift gears are available on several models, the front loader armrest also been upgraded on GL versions, the four-cylinder models have five more horsepower than

before, and the service interval has increased to 600 hours," says **Marko Ojalehto**, the product marketing specialist in charge of the new A Series.

Over half of A Series tractors are fitted with a front loader at the factory. Accordingly, many of the upgrades have been designed to make front-loader work even easier, such as the Powershift gears and updated control armrest familiar from HiTech 4 models.

More Powershift gears and advanced engine

Three-cylinder A75–A95 models can now be specified with the HiTech 2 transmission with two Powershift gears, which makes field work in particular more productive and requires lower engine speeds when driving on the road. The total number of gears on HiTech 2 versions is 24 forward and 24 reverse.

On four-cylinder models, engine power has been increased by five horsepower and now corresponds to the model designation. Smaller models still have a three-cylinder engine. All engines comply with Stage V emissions standards and

The 5th generation A Series has an updated engine, transmission and styling.

now feature a diesel particulate filter (DPF) in addition to SCR injection, but no exhaust gas recirculation (EGR). Engine speed and power can now be controlled even more precisely thanks to a new accelerator pedal. Increasing the service interval from 500 to 600 hours saves costs while increasing the amount of productive working time.

The A Series is available with either a pneumatic or hydraulic brake system for trailers. The cost-effective hydraulic system automatically detects whether the brakes connected to it are standard single-wire or the latest two-wire brakes. •

New features on the 5th generation A Series

- 5 horsepower more on A105–A135 models
- 2 Powershift gears optional on A75–A95 models
- AutoTraction with a control switch
- Dual-circuit hydraulic brakes
- New control armrest also on GL models
- Upgraded Stage V compliant engines
- 600-hour service intervals
- Redesigned engine cover
- Redesigned wheels
- Optional PTO buttons on rear mudguard on HiTech 4 models
- Valtra Connect remote monitoring optional
- Automatic main power switch in the ignition switch

A Series	A75	A85	A95	A105	A115	A125	A135
Engine	AGCO Power 33-MB-TN-D5 3 cyl / 3,3 l			AGCO Power 44-MB-TN-D5 4 cyl / 4,4 l			
Transmission	4WD, 12+12, HiTech (Power Shuttle), Optional Creeper (24+24) 24+24 Powershift			16+16 Powershift			
PTO	2 speeds			2 or 3 speed PTO			
Lifting power	3000 kg			4300 kg		5200 kg	
Pump capacity	65 l/min			98 l/min			
Wheelbase	225 cm			243 cm		250 cm	
Weight	3500 kg			4000 kg		4750 kg	
Power	75 hp 56 kW	85 hp 63 kW	95 hp 70 kW	105 hp 78 kW	115 hp 86 kW	125 hp 93 kW	135 hp 100 kW
Torque	315 Nm	350 Nm	355 Nm	435 Nm	455 Nm	520 Nm	540 Nm

VALTRA HELPS RESTORE



Peat-free compost sold under the Dalefoot Composts brand name is produced on site, and Valtra tractors provide the power for shredding and mixing the ingredients and for transport between the company's two farms.

A fleet of five Valtra N and T Series tractors is used by Cumbria-based Barker & Bland.

A fleet of Valtra tractors is helping a Cumbria-based farming business fight climate change by returning millions of tonnes of carbon underground.

TEXT AND PHOTOS DAVID WILLIAM

Trading as Barker & Bland Ltd, **Simon Bland** and **Jane Barker** run their business from a traditional hill farm in the Lake District. Originally sheep farmers and faced with reducing profits from their 1,200-head flock, the couple diversified into peat-free compost production 25 years ago, and at the same time set up a contracting service specialising in peatland restoration. Now up to 50 staff are employed, including 17 which are full-time.

Sheep wool compost

“Bracken grows to six feet tall and smothers the grazing land,” explained Simon.

“It makes it very difficult to gather the sheep and although it’s generally regarded as a weed, using it as the main ingredient in our Dalefoot Composts has made it a profitable crop. We harvest 170ha of our own and buy in extra from farms across the UK. Additional ingredients include grass or comfrey, and sheep’s wool which retains moisture and slowly releases proteins.”

Carbon fixing

Barker & Bland’s peatland restoration division aims to re-wet and re-establish sphagnum and bog flora in areas drained in the past to improve grazing, or where peat

was extracted. The restoration not only stops further carbon release, but also encourages carbon fixing. Many projects are government-funded, and the company’s teams operate their machinery throughout the UK. Their expertise is credited with returning more than one million tonnes of carbon to the ground over a 10-year period and the continuous carbon fixing process means that figure is increasing all the time.

Valtra solution

Machinery is shared between the farm, Dalefoot Composts and the peatland restoration enterprise.

“We used one tractor brand for several years, but issues with poor dealer back-up meant we looked at alternatives,” added Simon.

“We considered several, but the contract-hire package from Valtra and our main dealer Johnston Tractors was exactly what we

CARBON TO THE SOIL



Simon Bland (left) with machinery operator Chris Stainton. Chris recently joined the Barker & Bland team, and says he far prefers the Valtra tractors to the premium brand he drove previously. Simon Bland says Valtra tractors are particularly comfortable and the cab suspension ensures an excellent ride on- and off-road.



Bracken is a weed for many hill farmers, but as a main ingredient for peat-free Dalefoot Composts it has become a profitable crop.

needed, so we now run five Valtras, and two of the previous brand.”

The Valtra fleet includes N174 and T174e models, all with Versu specification. The N174s are liked for their high power-to-weight ratio and superb manoeuvrability, while the larger 6-cylinder T174e tractors are favoured for work with heavier implements on steep slopes and transporting up to 500 bales per week between the company’s two farms.

“We like the Valtras,” confirmed Simon.

“Operators enjoy using them and appreciate the excellent comfort. The Versu specification is superb, with electronic push-button hydraulic controls which make it easy to quickly lift mowers clear if stones or other obstructions are noticed in the tall vegetation. Reduced machine damage more than justifies the Versu’s extra cost.”

Versu specification also includes GPS mapping and Valtra Guide auto-steer, improving productivity for

tasks including mowing, and ensuring accuracy of fertiliser applications.

Field maps also allow the positions of large stones and boulders in thick vegetation to be recorded, and peat beds to be mapped during restoration.

“We will double compost

production next year, requiring additional tractors particularly for transport between our sites,” concluded Simon.

“Our positive experience of Valtra and Johnston Tractors means we won’t have to look elsewhere.” •



Barker & Bland production manager Lizzi Meth-Cohn, pictured with Simon Bland, says the Valtra Connect telematics will be increasingly used to manage and monitor task progress.

TECH

Precision Lift & Load application



Smart front-loader uses the same hardware as Valtra's other front loaders except with the addition of two pressure sensors and two position sensors plus an ECU controller inside the beam. Despite all the new functions, the front loader can still be controlled by joystick.

FRONT-LOADER CONTROL SYSTEM INTEGRATED INTO SmartTouch

Precision Lift & Load application makes front-loader work safer, easier, more efficient and more accurate, adding even more dimensions to Valtra's already excellent front-loader tractors. Smart front-loader control system is operated from the tractor's SmartTouch display.

TEXT TOMMI PITENIUS PHOTOS VALTRA ARCHIVE

"Our aim was to make the application as easy to use as possible."

Precision Lift & Load application is the easiest-to-use front-loader control system on the market. It includes a loader scale, work range limits, memory settings for different front-loader positions, a shake function and end position damping. Application is operated from the SmartTouch touchscreen and does not require any separate controls or displays.

"Our aim was to make the application as easy to use as possible, so we integrated it into SmartTouch. The features and usability have been carefully honed," says project engineer **Petri Hokkanen** together with usability designer **Arto Riimä** and software designers **Jani Kortelahti** and **Ilkka Tonteri**, who participated in the development of the new system.

Smart front-loader uses the same hardware as Valtra's other front loaders except with the addition of two pressure sensors and two position sensors plus an ECU controller inside the beam. The key role is played by the software, which combines the data collected by the sensors and transmits the driver's wishes to the loader.

Safety, ease and efficiency

Precision Lift & Load application facilitates the work of both farmers and contractors. For example, the loader scale makes it possible to feed livestock with extreme accuracy according to a specific formula or customers to be billed according to the precise loads of grain or soil in kilograms.

The automatic angle control and upper and lower limits for loader movements make working safer in tight spaces, for example. Loading is also easier when the system takes care of the upper and lower limits automatically. The end position damping reduces wear on both the tractor and the front loader and makes working more comfortable.

Precision Lift & Load application will be soon available on all G, N and T Series tractors with the SmartTouch armrest directly from the factory. In the future, application will also be made available as a retrofit package for 5th generation SmartTouch tractors. •

Precision Lift & Load application functions

Loader Scale

Loader accurately weighs each bucket, bale or pallet. The loader scale can also add up the desired number of lifts, for example the total weight of one load, for example. A target weight can be set on the scale, and SmartTouch shows how the target weight is filled bucket by bucket when loading. The scale also counts the number of weighings, allowing the operator to see how many bales, for example, have been loaded at the end of the day. The data can be stored on a USB drive and transferred to the contractor's billing system, for example.

Automatic Angle Control (AAC)

The Automatic Angle Control function allows the operator to set the desired position of the beams and implement in the system's memory. AAC makes it easy to find the correct plough position when using a snow plough, for example. For safety reasons, however, the front loader does not move automatically to the desired position; instead, the operator must move the loader until it stops at the desired position. When the loader stops at the set position, the function is switched off, allowing the loader to be further adjusted.

Work Range Limits (WRL)

Work range limits can be set for the front-loader beams and implement so that they are not exceeded. For example, when working inside a low building, the maximum height of the loader can be limited. The work range limit can be set for the beams, the implement or both. When no limits are required, the function can be switched off by pressing a button on the joystick.

Shake Function

Front-loader has an adjustable shake function. By moving the joystick sideways, the operator can select a faster vibration or slower shake. Shaking enables soil to be removed from the bucket, soil to be levelled and sand to be spread on snowy roads, for example.

End Position Damping (EPD)

End position damping prevents the front loader from accidentally hitting the maximum upper or lower position. The loader knows when the hydraulic cylinder is running out of range and dampens the movement shortly before the end position. EPD makes work smoother and reduces wear on the machine.

VALTRA'S TAILOR-MADE SERVICE VAN

A well-equipped service van can provide assistance wherever it is needed, even in the middle of a field. Here we present the impressive tailor-made service van used by the Valtra dealer in Pirkkala, Finland. The van has been fully equipped by mechanics Marko Siltala and Matti Lyytikäinen to meet their individual needs and is used to service not only tractors but also harvesters and other agricultural machinery. In addition to all the standard tools, the van can also be equipped with heavier equipment, such as a welding machine and air conditioning service equipment.

TEXT AND PHOTOS TOMMI PITENIUS



Cabin filters for tractors are stored under the front bench. The van also carries a selection of oil filters for all Valtra models dating back to 1995.



Compressed air is produced by an electric compressor and is used to inflate tyres, clean radiators and power jacks, for example. The 25-metre compressed air hose is coiled close to the sliding side door so that it does not have to be opened fully in the rain.



A magnetic working light with a long cable can be plugged into the socket conveniently located in the pillar of the side door.



Electricity is provided by a generator. The van can also be plugged into the mains at the farm. The van also has an inverter and battery chargers for various tools, such as cordless impact wrenches.



Hand tools are kept in long drawers that open out the side door. This eliminates the need to constantly run in and out of the van to pick up tools, as they can be reached while standing outside the van. All the tools have their designated places in the foam, making it easy to see if any tools are missing.



An electric pump delivers lubrication oils to the hose and pistol. Each of the three oils has its own pistol fitted with a precise gauge.



The van is the shortest and lowest Volkswagen Crafter model with four-wheel-drive, enabling it drive onto fields to service tractors and harvesters on the spot.



The van has fixed tanks for 75 litres of FS motor oil, 150 litres of XT60+ transmission oil and 75 litres of 80W-90 LS front axle oil. Used oil is collected in 60-litre barrels.





LIMITED REDITION

Red is the colour of power, precision and profit.
Why? Because red is the original colour of Valtra.

To celebrate Valtra's 70th anniversary we are taking things to the next level with a limited edition Valtra T Series in a deep, metallic red. The most powerful colour for a journey that spans generations.

Only 70 of these machines will be available worldwide – so act fast.

TO REGISTER YOUR INTEREST VISIT
VALTRA.CO.UK/70YEARS



VALTRA **70** YEARS

YOUR WORKING MACHINE

The future of agriculture

CHANGES IN AGRICULTURE ARE ALSO CHANGING TRACTOR WORK



Precision farming tools, such as Valtra Guide and Task Doc, can help farmers achieve better results and meet targets set by society.

The Farm to Fork Strategy of the European Green Deal sets stringent targets for agriculture that are guided by agricultural policy. These changes will also be felt in tractor work over the next ten years.

TEXT TOMMI PITENIUS PHOTO VALTRA ARCHIVE

All Farm to Fork goals share the common aim of protecting the environment. At the same time, the global population continues to grow by around 80 million people each year, and everyone has to be fed.

“We still have to produce at least the same amount of food, even though restricting the use of fertilisers and pesticides will in principle reduce yield levels. Approximately 40 million hectares of arable land in the EU are to be transferred to organic production, which will also decrease yield levels. This puts a lot of pressure on farmers,” says Product Marketing Specialist **Sam Hardy**.

The EU’s Green Deal projects will have an impact on, for example, tillage, fertilisation, plant protection, wayline planning and especially the timing, accuracy and documentation of tractor work.

“Task Doc, Valtra Guide, Section Control and Variable Rate Control can all help achieve these goals. They allow the farmer to reduce nutrient losses and make the use of pesticides and fertilisers much more precise,” Hardy adds.

Precision tillage and crop rotation

The targets will be achieved by combining several methods depending on the farm and the direction of production. The use of pesticides can be reduced, for example, by means of mechanical weed control, diversifying and prolonging crop rotation, and precisely targeting plant protection to areas where pests and weeds are present.

The use of precise Valtra Guide automated steering and ISOBUS implement control will also increase in tillage tasks. For example, the tillage depth can be varied automatically according to different soil types based on GPS data. Using the same tracks for all types of cultivation will also become more common, as this can prevent soil compaction. In general, precision farming, the more accurate use of inputs and the precise documentation of tasks performed will become routine for farmers.

The EU’s goals also contain certain contradictions. For example, the use of plant protection products should be reduced, yet the resulting

increase in tillage tasks will increase CO₂ emissions. Similarly, organic production should be increased, yet at the same time a more plant-based diet is being encouraged, which would result in less manure for organic farming.

“We are exploring solutions to the environmental and political challenges posed to agriculture. While the targets are tough, they can be met with the right tools and methods. At the same time, new opportunities are being created for successful agriculture,” Hardy says. •

Four European Farm to Fork targets for 2030

- 25% of total farmland to be used for organic farming
- 20% less fertiliser use
- 50% less nutrient losses
- 50% less pesticides



Trelleborg TM1060. Enrich your farming.

The Trelleborg TM1060 range provides higher efficiency for tractors ranging from 80 to over 300. It preserves your land from compaction and makes your operation more productive. Protect your crops, as if they were precious stones.

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70 YEARS OF COLOURFUL TRACTORS

In 1988, Valmet introduced a world first: a full range of colours for its tractors. For the first time, customers were able to choose from five colour options. Ever since, Valmet and Valtra customers have been able to choose the colour they like.

The history of Valmet tractors dates back 70 years to 1951, when the Valmet 15 was introduced. At that time, the colour was red, including the engine cover and the chassis. These all-red tractors were manufactured for nine years until the introduction of the Valmet 361 in 1960. The new tractor was also red, except the front grille and the lower edge of the engine cover were grey.

The big change came in the late 1960s, when Valmet launched the 100 Series. Valmet tractors were given a new yellow colour, while the chassis and front grille were brown. The next change came in 1971, when the Valmet 02 Series was introduced. While the main colours remained yellow-brown, the brown

colour of the chassis was used also on the engine cover.

The appearance of Valmet tractors was update again in 1979 with the launch of the 03 Series. Although the model number still ended in 02 on some models, the new series is generally referred to as 03. The new tractors were a brighter yellow, while the colour of the chassis and engine cover became a lighter shade of brown. The new look was completed by the addition of a third colour, white being used for the wheels and the roof of the cab. These white-roofed tractors became known as student models due to their similarity to white Finnish student caps. The wheels on Valmet and Valtra tractors have been painted white since 1979.

The red colour theme made a comeback with the launch of the new Nordic Volvo BM Valmet in 1982. The chassis, front grille and engine cover of the new 05 Series became black, the wheels remained white and the side panels and

Since the introduction of the 05 Series in 1988, Valmet and Valtra tractors have been available in a range of colours.

cab became red. On the smaller 04 Series models, the roof colour remained white from the previous upgrade, but otherwise the colours were the same as on the 05 Series. The model designation was white on the side panel. The next change came in 1986, when the name reverted to Valmet. The colours remained the same, but the model designation on the side panel came on a black background.

Colour options like on cars

The last change came with the introduction of a complete range of colour options in 1988. Customers now had five different colours to choose from: red, blue, yellow, green and white. The new tractors could be distinguished also by the model designation on the side panel, the background of which now corresponded to the main colour of the tractor.

The same colours have also been offered on the tractors manufactured at the Brazilian factory. When operations began there in 1960, Valmet tractors were all red. The next 600 D models were also red, but the front grille and the edges of the engine cover were grey. The colour scheme conformed very closely to that used on tractors made in Finland. The following 60 id and 80 id models were yellow, and Valmet/Valtra tractors made in Brazil since then have been mostly yellow.

Since 1988, Valtra customers have been able to choose the colour of their tractor. Valtra tractors have also been available in special colours for specific applications, such as yellow or orange for road maintenance tasks. •

VALTRA IMPRESSES NORTH



A Northumberland estate was so impressed by its first Valtra S Series bought in 2017 that a fleet of four is now replacing a previous brand.

TEXT AND PHOTOS DAVID WILLIAMS



Just over 1,000ha of combinable crops are grown by Rock Farms Ltd, near Alnwick, on a mix of owned and rented land. In 2017, an opportunity to rent out buildings with drying floors for woodchip conditioning led to the farm setting up an additional enterprise chipping wood for its tenant, using existing labour and the farm's tractors.

Rear-facing seat

A trailed woodchipper requiring nearly 400hp was purchased, with a grab for self-loading.

The first Valtra was selected for the rotating seat which was essential for operating the trailed, self-loading woodchipper.

UMBERLAND ESTATE



Northumberland-based Rock Farms bought its first Valtra S Series tractor in 2017 to power a commercial wood-chipper, and has since changed most of its farm fleet to Valtra.



Pictured with three of the farm's four S Series Valtras are (l-r) operator Alistair Baillie, Farm Manager Carl Tuer, and operators Chris Dunn and David Gray.



The Valtra S Series tractors have a superb power-to-weight ratio and are ideal for both heavy cultivations and top work.

The newest addition to the fleet is an S394 with the latest SmartTouch display and Valtra Connect telematics. Operator Alistair Baillie (pictured in cab) says that having two displays will allow him to make better use of the GPS guidance. Farm Manager Carl Tuer has full confidence in his fleet of Valtra tractors as well as the back-up from main dealer BRM.

“We had used one tractor brand for many years,” explained Farm Manager **Carl Tuer**.

“But to work the self-loading chipper efficiently and for operator comfort we needed a tractor with a rear-facing seat, and options were limited.”

Carl visited Valtra dealer Brian Robinson Machinery (BRM), and was surprised by the S Series' high specification and build quality. The price was reasonable, including a 6,000-hour warranty and many features classed as extras on

competitor brands, and an S374 was ordered and arrived in late 2017, closely followed by another to power a second chipper.

Change of brand

Compared to the other tractors the Valtra proved more fuel efficient, and additional advantages included superior ride comfort, better all-around vision, and a more spacious cab. Despite being a lot more powerful it was compact and very manoeuvrable, making it just as suitable for corn carting as heavy

cultivations. When the farm tractors were next updated these were also replaced by Valtras, and the fourth S Series arrived in March this year.

“We had no idea that buying our first Valtra would lead to us replacing our previous brand for farm work as well as wood chipping,” concluded Carl.

“But it's better in every way and the operators prefer it. The few problems we have had were rectified quickly by the BRM team, and we have full confidence in the dealer and brand for the future.” •



THREE YOUNG WOMEN FIND A JOINT HOBBY IN OLD VALMET TRACTORS

TEXT TOMMI PITENIUS PHOTOS VALMET MARTAT

Anne Ronkainen, Inka-Milla Kekki and Jenna-Janika Kekki are three young Finnish women who have become a small social media phenomenon and stars at local tractor events owing to their interest in classic Valmet tractors. While some people might think it odd that young women would be interested in old tractors, Anne and the two sisters Inka-Milla and Jenna consider their hobby to be the most natural thing in the world having all been raised among them.

Anne Ronkainen, Inka-Milla Kekki and Jenna-Janika Kekki, how did your Valmet hobby get started?

“Our families have always been involved with old tractors, especially Valmets. We became friends a few years ago after running into each other in tractor and heritage events. In autumn 2016, we teamed up and began filming our first joint Christmas calendar for YouTube. For no particular reason, people began referring to us as Valmet Martat, after the Finnish women’s association, and the name just stuck.”

What kinds of activities are Valmet Martat involved in?

“We attend tractor and heritage events throughout Finland, but of



course there were fewer of them in 2020 due to corona. Whereas in a typical year we would attend over 30 events, last summer we attended less than ten. In addition to presenting our historic Valmet tractors, we also demonstrate old working methods. We have also organised charity rides for the benefit of families of children with cancer and the bird sanctuary in Heinola, for example. Our next project is to take our Valmets to service homes and support caregivers. These events always involve other enthusiasts with their own machines and programmes. Typically, these events last the entire day and cover between 60 and 200 kilometres of driving.”



Anne Ronkainen, Jenna-Janika Kekki and Inka-Milla Kekki are known as Valmet Martat. Each of the young women has her own Valmet 20 tractor along with other historic machines.

What Valmet models do you have?

“We each have our own Valmet 20. In addition, Inka-Milla has a Valmet 872 forest machine that is still used from time to time to pick up fallen trees and firewood. Anne still has a Valmet 20 that she used to ride on when she was a baby, as well as HubbaBubba, a pink Valmet 20 powered by a 1.9-litre diesel from a Volkswagen Polo. Anne’s father also has a Valmet 20 and a Valmet 361D that he inherited from his own father. Inka-Milla’s and Jenna-Janika’s mother in turn has a Valmet 502. Altogether, our families have a lot of tractors, machines and projects!

What other hobbies do you have besides Valmets?

“Alongside our jobs and studies, we don’t really have time for much else. Anne is a Finnish sign language interpreter by profession, Inka-Milla is studying agriculture and Jenna-Janika is still in her last year of school. Inka-Milla’s and Jenna-Janika’s family has also organised many events at their Vanha Savotta heritage centre, where they also sell traditional clothing. Valmet Martat is just a group of friends and not an official association or business.” •

View the entire Valtra Collection: www.shop.valtra.com

Valtra Collection

NEW GENERATION G SERIES NOW AVAILABLE AS A PEDAL TRACTOR

This pedal tractor has Valtra's fifth generation appearance and a stunning metallic bronze colour. Other features include an engine cover that opens and a roll bar.

The new pedal tractor is available with several accessories that can be attached to the front or rear. Recommended for kids ages 3–10.

Available online from
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See us online: valtra.co.uk

Valtra Models



F Series

MODEL	MAX. HP*	
	STANDARD	BOOST
F75	75	
F85	85	
F95	95	
F105	105	



A Series

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



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.



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.



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
S274	270	300
S294	295	325
S324	320	350
S354	350	380
S374	370	400
S394	400	405

*ISO 14396



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