

# SMART FARMING

**VALTRA**

**YOUR  
WORKING  
MACHINE**



# EMBRACE THE POWER OF SMART FARMING.

Smart farming makes your life easy. Thanks to our advanced technologies, dull manual tasks can be automated. You'll have time to live more. With just a push of a button you can take full control of your tractor and your implements. Your work will be more precise, more productive and more profitable – with less effort. You'll save time, effort and money. You'll get more done in less time and you'll have more time to enjoy life.

Valtra technology solutions are available for our N, T & S series tractors.

INSIDE

**YOUR**

Embrace the power of smart farming .....4

**WORKING**

Smart farming technologies .....6

**MACHINE**

SmartTouch .....8

Valtra Guide .....10

ISOBUS .....14

Section Control .....16

Variable Rate Control .....16

TaskDoc .....18

Valtra Connect .....19

# WORK SMART. LIVE MORE.

Let your Valtra tractor do the hard work. With Valtra technology solutions it can do the steering for you and control your implements. It's an easier and more efficient way of doing things. All smart functions can be controlled from the SmartTouch armrest with just a few taps or swipes. And everything works with GPS-guided precision, so you can get the job done in all conditions.



# SMART FARMING BUILT IN.

Valtra offers a set of smart farming technologies that work seamlessly together – Valtra Guide, ISOBUS, Section Control, Variable Rate Control and TaskDoc – which you operate from the SmartTouch terminal. With the help of Valtra Guide and the possibilities that SmartTouch offers, you will enjoy improved accuracy, improved precision, reduced working time and better yields, and all in all a better return on investment.

Smart farming relies on GPS positioning signals to map your fields and to guide your tractor. GPS guidance makes automatic steering more accurate than manual steering, so your tractor will be exactly where it needs to be at every turn, in every field, in all conditions.

Using Valtra Guide your ISOBUS compatible implements can be automated to vary the way they work in different parts of the field. Section Control automates section control functions in

implements and Variable Rate Control automates and controls variable rate application functions. So, for example, using prescription maps with Valtra Guide and Variable Rate compatible implements, you can put exactly the right amount of input in the right spot on the field.

Our technology is all designed in-house and we use the highest quality suppliers to ensure consistently high quality and outstanding reliability. All hardware and software components are optimized for each specific tractor.



400kg/ha

400kg/ha

# SMARTTOUCH – EASIER THAN YOUR SMART PHONE.



Valtra SmartTouch brings easy living to your fingertips – literally. It combines a 9" touchscreen with clearly arranged buttons, a multifunction lever, a hydraulics joystick and a comfortable armrest. It's simple, well laid-out, and really easy to use and it gives you complete control of all your smart farming functions.



Combined with Valtra smart farming technology, SmartTouch lightens your workload and gives you the best and most straightforward user experience for managing your working machine.

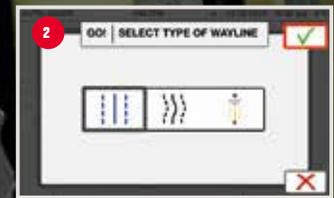
The SmartTouch armrest lets you control your tractor, Valtra Guide, implements and headland management programs. All the smart farming technology is integrated into it, including Valtra Guide, ISOBUS, and Section Control, Variable Rate Control, and TaskDoc®. This makes it easy to record, recall and control automation for different fields, tasks and implements. It has never been so simple to record things like waylines and field boundaries and to transfer data and documentation to and from your farm management information system (FMIS).

The 9" touchscreen makes SmartTouch more intuitive than your smartphone and gives you all the settings you need, only one or two taps or swipes away. Save settings for different drivers, tasks and implements, including hydraulics and headland management sequences, and load them with the touch of a button. Take complete control of all your hydraulics, including all hydraulic valves and the front loader and rear linkage, with the hydraulics lever on the SmartTouch armrest. It's easy to control the Powershift and drive functions, including acceleration, deceleration and automatic gear changes, with the multiuse drive lever.

In addition, with Valtra's unique TwinTrac solution, you can work in both directions, forward and reverse. This can make tasks like mowing significantly more efficient, saving you time and fuel.

# TOUCH TO TAKE CONTROL

The 9" touchscreen makes using Valtra Guide and Section Control easy. Everything you need is at your fingertips. Start your work and adjust implement settings with just a touch.



1. Control Valtra Guide using SmartTouch.
2. Record, load and follow waylines.
3. Use Section Control for maximal efficiency and minimal overlap.

# LET YOUR TRACTOR DO THE STEERING.

Our new Valtra Guide system lets you concentrate on your work while your tractor does the steering. This makes it easier to get work done, even in difficult conditions, and it makes smart farming easier and more profitable than ever.



Operate Valtra Guide using the 9" SmartTouch touchscreen. Valtra Guide uses GPS guidance to steer your tractor for you, accurately guiding the tractor along the length of a field without you needing to touch the steering wheel. It follows the waylines precisely, making every pass and turn more efficient. This reduces overlaps and maximises the cultivated area even in the headlands and at the field edges. Whether you're planting, tilling, spraying or harvesting, Valtra Guide will save you time fuel and money.

With accurate steering, your working time will be reduced, saving fuel costs, as well as giving you more free time. Because there is less overlap,

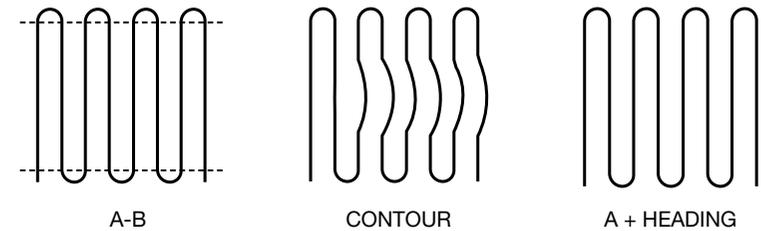
you'll spend less on seeds, fertiliser and pesticides, while also improving your yields. This will contribute to making your farm business more profitable with less effort and give you a higher return on your investment. Because you don't have to focus on steering, you'll be less tired, too.

Valtra Guide is available with the best choice of receivers and correction signals on the market and it lets you select the level of accuracy you need, from sub-meter to centimetre level. Upgrade the accuracy of your system at any time by purchasing an unlock code from AGCO Parts.



## WAYLINES

Valtra Guide makes it easy to create, save and load waylines for each field.



## ACCURACY

ACCURACY LEVEL	CORRECTION SOURCE		PASS TO PASS ACCURACY
	DELIVERY METHOD	SIGNAL TYPE	
Submetre (Low)	Satellite	SBAS (Free; basic level)	±30 cm
Decimetre (Medium)	Satellite	Correction signals with subscription and decimetre upgrade	±10 cm
Centimetre (High)	Fixed base station (stations), signal via Radio or Internet	Own or shared base station(s) or NTRIP via Internet (mobile phone network). CM upgrade.	±2 cm

# VALTRA GUIDE MAKES IT EASY.

Valtra Guide brings many benefits from cost and time savings to a lighter workload and better use of farmland. It all comes down to accurate, consistent driving every time, in every field, for all your work.



### IMPROVED ACCURACY

Valtra Guide guides your Valtra tractor using the best receivers and correction signals available, giving greater precision and accuracy than manual steering. For example, mowing without Valtra Guide, using manual steering, usually results in an overlap of about 30 cm. Using Valtra Guide, the overlap can be reduced to just 5 cm. For seed drilling it can reduce the overlap to zero, because Valtra Guide does the steering accurately. The best part of the story is that these results are consistent, reliable and repeatable every year, every time you return to your waylines.

### WAYLINES

SmartTouch and Valtra Guide make it simple to create, save and manage your waylines for each field. These can easily be transferred between your tractor and FMIS. Use Valtra Guide to automatically follow the waylines you have created, for high pass-to-pass accuracy.

### MORE FREE TIME, LESS FATIGUE

Valtra Guide makes your working day significantly easier. It steers along the waylines and minimises turning time in the headlands, reducing working time. Because you don't need to focus on steering you can concentrate more on the implement, and important calls and emails, which means less time in the farm office. You'll feel fresher and more relaxed after work because there's no need to concentrate on the steering all the time.

### FOR ALL CONDITIONS

Valtra Guide will keep you exactly on track in all conditions. You'll get the job done faster and easier whatever the weather, even in low visibility, even in dark, dusty or foggy conditions, day or night. In addition, you can mark obstacles on your field maps and Valtra Guide will warn you as you approach them.



# SMART CONTROL. EASY CONNECTION.

SmartTouch and ISOBUS give you the high level of control that smart farming demands. Operate all your implements using SmartTouch and use ISOBUS to connect any ISOBUS-compatible implement, from any manufacturer, quickly and easily.





SmartTouch gives you full control of your ISOBUS-compatible implements, enabling all the task parameters to be set correctly according to prescription maps for each field. This makes both manual and automated operation of your implements easy. The ISOBUS standard (ISO 11783) is what makes this possible. SmartTouch works as an

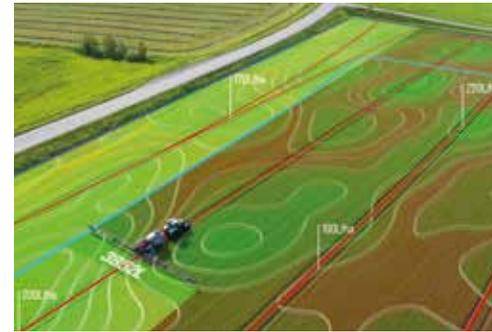
ISOBUS terminal so that when you give the command, your implement gets the message immediately. ISOBUS also makes compatible implements "Plug and Play", so when you connect the implement to your Valtra tractor, the implement user interface and all relevant machine settings are uploaded to the SmartTouch terminal.

Using SmartTouch as your ISOBUS terminal also means that you don't need to have a separate screen for each individual implement. All the controls you need are conveniently in one place. This saves you time and money, and keeps your cabin clean. No extra cables, no extra brackets and no extra stress!



Valtra smart farming technologies give you the ability to precisely control what your Valtra tractor and implements do in all of your fields, in each place, in each row. Together with Valtra Guide, Section Control and Variable Rate Control make your work easier and more productive, right down to the last centimetre.

# VALTRA SECTION CONTROL HIGH PRECISION. LESS EFFORT.



## SECTION CONTROL

Put the right product in the right place at the right time with Section Control. Using SmartTouch, it's easy to plan, save and recall work and settings for each field. Valtra Section Control is the best section control on the market. It automatically turns on and off sections of the ISOBUS implement to eliminate overlap and avoid gaps. Section Control gives you high precision, even with large implements, regardless of the visibility. It can cut overlap to zero, reducing input costs, improving yields and maximizing your profits.

## EASIER HEADLAND WORK

With Valtra Guide the driver can do skip passes and save about 5 seconds per turn in the headland. This means the turns are gentler because you don't need to do "lightbulb" turns. This results in less damage and compaction of the headlands, cleaner crops and increased yields. In addition, with fewer turns of the steering wheel, you will be much less fatigued at the end of the day.

## VARIABLE RATE CONTROL

Variable Rate Control is the most accurate and responsive rate control system on the market. Operate Variable Rate Control using the 9" SmartTouch touchscreen. It automatically adjusts the application rate of the implement according to the preplanned prescription map. It applies the right amount of fertilizer, spray or seed to each part of the field, not too much nor too little. It saves resources and improves the crop quality and the yield.

## PLUG AND PLAY

ISOBUS makes compatible implements Plug and Play. Connect an ISOBUS compatible implement to your Valtra tractor and all the relevant data is uploaded to the tractor automatically. Section Control and Variable Rate Control work with all compatible ISOBUS implements which follow the ISO 11783 standard.

# MORE PRODUCTIVITY. LESS PAPERWORK.

With TaskDoc® there's less paperwork. Just start your job – straight from SmartTouch – all the documentation you need will be created automatically. When you're ready it can be wirelessly transferred to your FMIS. TaskDoc makes smart farming easier. Plan prescription maps in the farm office and transfer them to your tractor for automatic control. Access your data anytime, anywhere, via the FMIS in your farm office and SmartTouch in your Valtra tractor. Wherever you are, you will always know what to do next.



## MAKE IT AUTOMATIC

TaskDoc connects your farm office and your Valtra tractor and implements wirelessly. Create jobs like prescription maps in the FMIS. Manage waylines, boundaries and obstacles. Then send the data to your tractor. It's quick, reliable and secure. Use SmartTouch to start a job and the documentation will be completed automatically. With TaskDoc, data from every task is recorded automatically and transferred back to your FMIS. This prevents data loss and ensures that you have accurate records for each field, as well as the documentation you need to comply with regulations.

## TASKDOC OPTIONS

TaskDoc® provides quick, secure and reliable data transfer between the tractor and the office via a Bluetooth connection or USB.

TaskDoc Pro continually records position and machine data, and data is transferred via a mobile network, Bluetooth or USB. This is an important advantage, particularly for contractors or large farms, because the tractor does not need to be in the vicinity of the farmyard to transfer data.

# VALTRA CONNECT

Valtra Connect is a telemetry solution that records tractor activity and GPS position. It can display history and real time data on your mobile device and you can access the data anywhere, anytime. Using this data, you and your Valtra service partner can anticipate maintenance needs, and react faster to solve minor issues and avoid extra visits to your authorized service centre.



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AND LIVE MORE.**

[www.valtra.com/smartfarming](http://www.valtra.com/smartfarming)

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