

VALTRA TECHNOLOGY SOLUTIONS

VALTRA



**YOUR
WORKING
MACHINE**

YOUR WORKING MACHINE

At Valtra, we focus on giving you the tools to get the job done, day and night, in all conditions. And we like to do things better. That's why we developed our new Auto-Guide and SmartTouch technology solutions. But it's not about the technology. It's about what you can do with it. And together with your Valtra tractor, it will help you work more consistently and productively. We've put more in, so you get more results out.

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WORKING SMART

Precision farming uses technology to help you improve your profitability. It helps you reduce machine time and fuel consumption, it helps you optimize the use of inputs, and it helps you get the most out of your time.

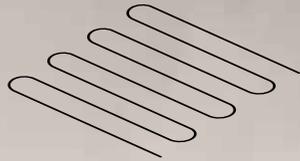
Valtra technology includes a range of options designed for a broad spectrum of precision farming applications, including Auto-Guide, Isobus, TaskDoc™, AgControl™ Section, and AgControl™ Variable Rate. Valtra technology can take your tractor to exactly where it needs to be at every turn, in every field, in all conditions. It gives you full control of your implements and it makes it possible to plan and execute application rates for your whole farm. It can even help you do the paper work.

Our technology is all designed in-house and we use the highest quality suppliers to ensure consistently high build quality and outstanding reliability. And all hardware and

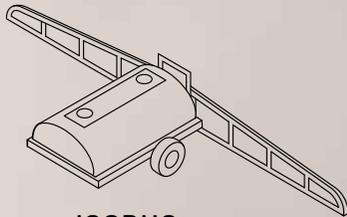
software components are optimized for each specific tractor.

However, precision farming is not just about smart technology, it's also about making farming smarter. That's why we've taken all the technology involved and made it easily accessible and easy to use. Our technology is intuitive and easy to operate, it's fully integrated into the tractor, and it's all controlled via Valtra SmartTouch. With SmartTouch, you can access all the settings you need in one place, from implement setup to field management. We've even included the unique GO mode to get you started quickly. With SmartTouch, we've put precision farming at your fingertips.

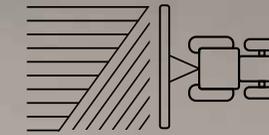




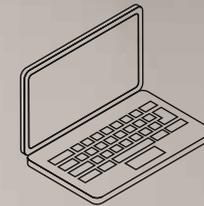
AUTOGUIDE



ISOBUS



AGCONTROL™



TASKDOC™



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2

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1

SmartTouch

1. Three programmable memory buttons for any tractor operation or operations (U-pilot).
2. Two linear levers to control hydraulics.
3. Forward / reverse lever.
4. Auto-Guide and safety camera displays are integrated into the SmartTouch screen.
5. The ergonomically positioned hydraulic joystick now includes a 3rd control for hydraulics on top.
6. Rear linkage - The easy-to-use limiter enables even the smallest adjustments of the rear linkage.

AUTOMATIC STEERING. BETTER PRECISION. BIGGER SAVINGS.

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



MORE WORK. LESS EFFORT.

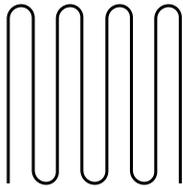
Auto-Guide uses satellite guidance to steer your tractor for you, helping you be more productive with less effort. The automatic steering follows waylines precisely, maximizing the cultivated area, reducing overlaps and gaps, and saving you time, fuel, and money. And because you don't have to focus on the driving, you'll be able to work longer with less fatigue and less effort.

THE BEST SYSTEMS ON THE MARKET

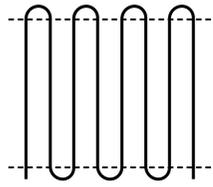
Auto-Guide is available with the best choice of receivers and correction signals on the market, and you can select the level of accuracy you need, from sub-metre to centimetre level, too. You can upgrade the accuracy of your system at any time, by purchasing an unlock code from Agco Parts.

WAYLINES

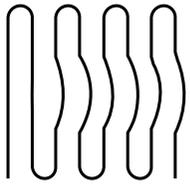
Auto-Guide makes it easy to create, save and load waylines for each field.



A + HEADING



A-B



CONTOUR

ACCURACY

ACCURACY LEVEL	CORRECTION SOURCE		PASS TO PASS ACCURACY
	DELIVERY METHOD	SIGNAL TYPE	
Submetre (Low)	Satellite	EGNOS (Free; basic level)	±30 cm
Decimetre (Medium)	Satellite	Correction signals with subscription and decimetre upgrade	±20 cm
Centimetre (High)	Satellite	Correction signals with subscription, CM upgrade	±5 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

SMART CONTROL. EASY CONNECTION.

Valtra SmartTouch and Isobus let you work with any Isobus-compatible implement, from any manufacturer. It lets you connect implements quickly and easily. And it gives you the high level of control that precision farming demands.





The Isobus standard (ISO 11783) is what makes this possible. Put simply, it is the way that your tractor and your implements communicate. It's what lets you tell your implements what to do. And, because the SmartTouch armrest also works as an Isobus terminal, when you give the command, your implement gets the message immediately.

Isobus also makes compatible implements Plug and Play. This means that when you connect an Isobus compatible implement to your Valtra tractor, all the relevant machine data is uploaded to the terminal immediately. Here's how it works: you use your Farm Management System (FMS) to plan tasks in the

farm office. You use TaskDoc™ to transfer them wirelessly to your tractor. Then, thanks to SmartTouch and Isobus, you will have full control of your Isobus compatible implements and each task parameter will be set correctly according to precision maps of each field.

BETTER YIELDS. REDUCED COSTS.

With AgControl, your tractor and your implements are precisely and automatically controlled to deliver the optimum seed and fertilizer rates, to each part of each field. This helps you reduce input costs, improve yields and maximize your profits.



AGCONTROL™ SECTION

AgControl Section is the best section control on the market. It helps you put the right product in the right place at the right time. It automatically turns rows and boom sections on and off to eliminate overlap and avoid gaps. And it lets you easily plan, save and recall work and settings for each field. AgControl Section gives you high precision, even with large implements, even in poor visibility.

PLUG AND PLAY

AgControl Section is also Plug and Play, so that when you connect an Isobus compatible implement to your tractor, all the relevant data is automatically uploaded to the tractor. AgControl Section works with all compatible Isobus implements which follow the ISO 11783 standard and support Section Control functionality.

SMARTTOUCH EXTENDED

If you use Auto-Guide with demanding isobus implements you can add our additional SmartTouch extended terminal. This makes controlling multiple parameters more convenient. For example, you can control your implement with the second terminal, while you use the main SmartTouch armrest terminal for steering and tractor control.

AGCONTROL™ VARIABLE RATE

AgControl Variable rate is the most accurate and responsive rate control system on the market. With variable rate control (VRC) you can use application maps to automatically adjust the application rate of your Isobus compatible implements. This helps you save resources and improve crop yield and quality. It also creates detailed as-applied or as-planted maps to keep records of what was done in each area to aid in future decision making and comply with record keeping regulations.



MORE PRODUCTIVITY. LESS PAPERWORK.

With TaskDoc® there's less paperwork. Just start your job – straight from SmartTouch – and all the documentation you need will be created automatically. When you're finished it will be wirelessly transferred to your farm management system. TaskDoc makes precision farming easier, too. Plan variable rate and section control maps in the farm office and transfer them to your tractor for automatic control. It's easy and intuitive.



MAKE IT AUTOMATIC

TaskDoc connects your farm office and your tractor wirelessly. In the office, you access TaskDoc via your FMS, and in your tractor via SmartTouch. So wherever you are, the settings and data you need will follow. And while you work, the system will ensure that all relevant data is collected. With TaskDoc, data from every task is recorded automatically and transferred back to your FMS. 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.

TaskDoc Pro continually records position and machine data, and data is transferred via a mobile network. 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 movements, all the time. 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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