



Xsite PRO 3D
MACHINE CONTROL
FOR DOZERS



WELCOME TO THE WORLD OF INTELLIGENT MACHINE CONTROL

Xsite® PRO 3D DOZER

WHAT IS MACHINE CONTROL?

PRECISION AND PRODUCTIVITY

The excavator's machine control system guides the machine's operator to reach the target level quickly and easily. When the job is carried out properly the first time, you save time, materials and fuel. The increased productivity gained will show in improved profitability which, in turn, enables cost savings and increased competitiveness.

For any earthwork contractor, it is important to perform work with quality, precision and on schedule. Utilising machine control enables optimising the different phases of the earthwork process, from planning all the way to the upkeep phase.

When using 3D machine control, the site elevation information is always present in the bucket tip and there is no need to set up lasers or stakes. The three-dimensional design models are always visible on the system display. This helps the operator handle even the most challenging sites effortlessly.

With 3D machine control, the machine itself becomes a highly accurate measurement device.

THE BENEFITS OF 3D MACHINE CONTROL

- + The work gets done more efficiently** and quickly as the operator can concentrate more on doing productive work. Less time spent on the contract means cost savings in terms of employees, fuel and machinery.
- + No need to stake out** as the height information is always visible in the machine control system.
- + No excess cutting or filling.** Material and transportation costs decrease as using and transporting extra materials is no longer necessary.
- + A higher level of accuracy** results in more uniform quality of work throughout the contract. Machine control turns a good machine operator into a great operator!
- + Improved job site security** as surveying close to work machinery or during excavations is reduced.
- + The system guides the operator** in all weather conditions, thereby making the work easier, especially in poor conditions such as in the rain or in darkness.
- + As-built data** can be saved by using a bucket as the surveying tool. **The completed work gets documented** and the documentation is sent to the office for further processing.
- + Working becomes independent and smooth** as you don't need to rely on surveyors or stakes.



With the Xsite® PRO 3D Dozer system lets you measure a line model and a surface model simultaneously.

XSITE® PRO 3D DOZER - SYSTEM FEATURES



ALWAYS KNOW THE BLADE POSITION

Forget constant manual grade checking! The Xsite PRO's clear readings give you exact information on your blade height and distance compared to your target level.



WIRELESS DATA TRANSFER

Wireless connection enables easy data transfer between the job site and office. Models can be sent wirelessly to the system and, in the same way, collected data can be sent to the office for further handling.



EASY TO LEARN AND OPERATE

We have designed the Xsite® PRO to be as simple as possible to use so that you can focus on productive work. The system also features step-by-step guides, so you won't have any trouble utilizing different functions.



SEE ALL MODELS AT ONCE

Surface models, lines, points and background maps can be displayed on the system screen simultaneously, if desired. With the Xsite® PRO you can also measure to multiple objects at the same time.



CREATE MODELS YOURSELF

Utilize the easy-to-use built in model tool to make simple 3D-models, such as small roads, foundations or barriers and use them as a reference when working.



SAVE AS BUILT DATA

You can document your work, such as pipeline installations and constructed surfaces, right from your own machine. As-built data can be used for quality control or tracking job site progress, for example.



GET GUIDANCE VIA REMOTE SUPPORT

With remote support, your local reseller can provide you with guidance without having to visit the site. Remote support connects your system to the service centre and can be used to offer training, advice or troubleshooting.



ONLY ONE SIM CARD NEEDED

Xsite® PRO system handles everything with only one SIM card: Data transfer, system updates, remote connection, RTK correction and so on.

CONNECTABILITY



CLOUD SERVICES

You can connect your Xsite® system to 3rd party cloud services for file transfer and fleet management.

SPEED AND ACCURACY FOR DOZER WORK

1. QUICK SELECTION BUTTONS

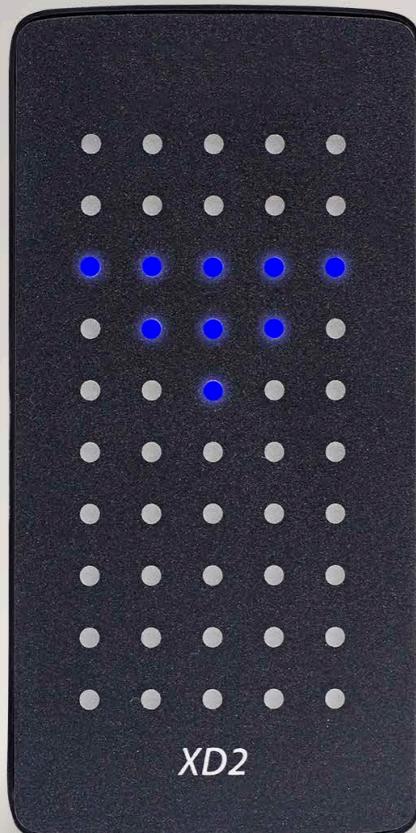
Change quickly between different models.
Don't waste time browsing through
complicated selection menus.

2. MODEL OFFSET

You can adjust the model offset value quickly
while working.

3. MEASUREMENT VALUES

The dashboard guides you and shows you the
numerical values of your measurement. e.g.
how far the blade is from the desired level.
This view can also be easily customized by
the user.



4. PROJECT INFORMATION

The status bar shows you the project
name, selected bucket and other important
information about your current project and
the system.

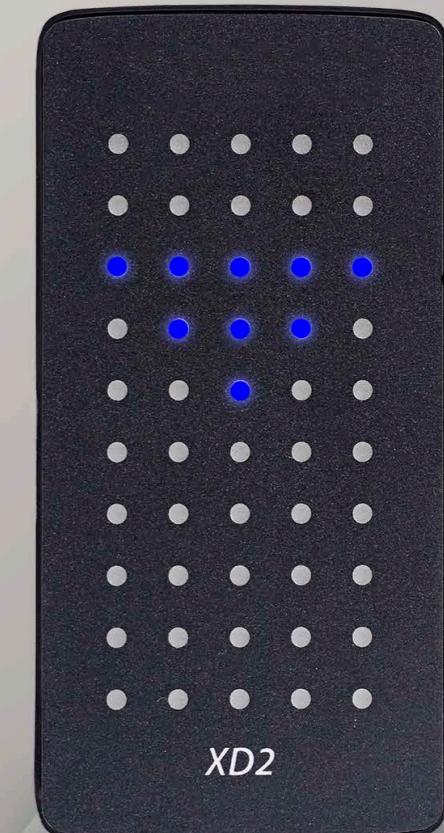


5. MAP VIEW

The customizable map view shows you your
project and the location of your machine.
You can change and adjust the view
by just one touch on the screen.

6. BLADE CORNER VALUES

Blade corner indicators give you constant
information about the height difference
between the blade and the model.
A blade tilt indicator guides you in tilting your
blade to the correct angle of your model.



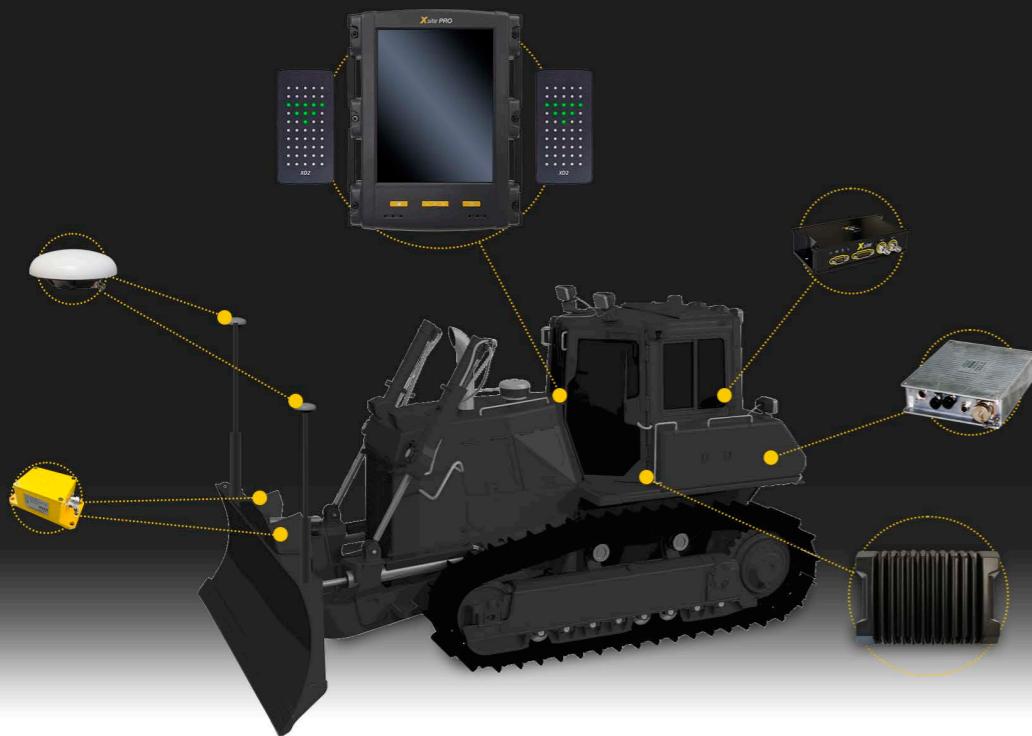
7. XD2 DISPLAYS

The XD2 display helps you reach
your target level easily and fast.
The RGB LEDs are clear and visible
regardless of conditions.

8. PROFILE VIEW

The profile view shows you the shape of the
selected model in a single glance. The profile
view can be easily changed by swiping.

SYSTEM COMPONENTS



DISPLAY

- » Large 8,4" sunlight readable touchscreen
- » Easy-to-read graphics
- » LED Displays to indicate blade position



01

CONTROLLER MCC

- » Powerful machine control computer
- » Robust design for rough environments
- » Comprehensive connectivity



02

CROSS SLOPE SENSOR

- » Fast and accurate cross slope sensor
- » Compact and rugged IP67 Enclosure
- » Extremely durable and reliable



03

GNSS RECEIVER

- » Support GPS, Glonass, Beidou and Galileo
- » 336 Channels for multi-constellation GNSS support
- » Compact and rugged IP67 enclosure



04

GNSS ANTENNA

- » Rugged design
- » Reliable and accurate
- » Multi-constellation support



05

CONTROLLER HYDRAULICS

- » Integrated 2D and 3D controller
- » Processes values transmitted by the sensors
- » Compares values and regulates the hydraulics



06

Xsite® - OPEN AND COMPATIBLE

The Xsite® PRO 3D machine control system allows for the use of network correction signals, base stations and satellite positioning devices from several different suppliers with ease. This avoids having to commit to single-vendor solutions and allows you to work on different projects without worrying about machine control system incompatibility. This gives you a genuine competitive advantage in a market that is becoming increasingly competitive.

“ The Xsite® PRO 3D is compatible with third-party software, such as BIM Cloud Services. Different open BIM data formats can also be used without additional format conversions or compatibility issues. ”



Xsite

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