



WATER CONSERVATION AND LANDFORMING





INDUSTRY LEADING LANDFORMING

Proven survey, field design and landforming with GNSS accuracy.

Topcon offers dual-constellation (GPS + GLONASS) satellite reception for maximum accuracy with single or dual scraper control, plus the ability to grade more than 12,000 acres in a single setup.

The GNSS system offers continuous 24/7 operation and can work in wind, dust, fog and other environmental conditions where lasers have challenges.

The Topcon GNSS solution allows the operator to survey, create cut/fill maps and start grading without ever leaving the cab. Best-fit calculations reduce yardage up to 10% versus traditional hand-calculated laser surveys.





SIMULTANEOUS AUTOSTEERING

The first truly modular ISO-compliant steering system.

The AGI-4 comes standard with WAAS and EGNOS, but is easily upgradeable to 2cm accuracy with RTK radio options. Like all Topcon receivers, the AGI-4 offers GNSS multi-constellation satellite reception standard for unmatched accuracy in dynamic applications and terrain conditions.

The all-in-one, modular design incorporates the antenna, receiver and steering controller in a single component, offering unmatched upgradeability. AGI-4's ISO11783 compliant steering system features state-of-the-art inertial sensors and full terrain compensation for superior line acquisition and holding capabilities.





X30 12.1 in. Touchscreen Console

Now, the 12.1" Topcon color touchscreen X30 console, integrated with Horizon software, and teamed with the AGI-4 Receiver/Steering Controller, brings high-accuracy RTK autosteering simultaneous with high-accuracy landleveling or landforming.

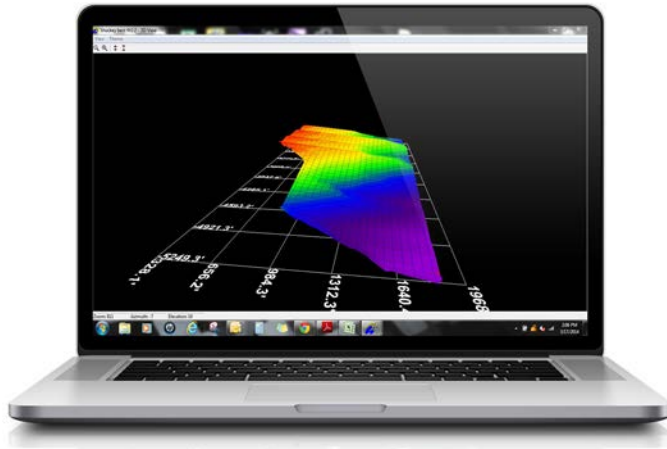
The X30 Console displays real-time elevation, maps, position and menus in the easiest-to-use console on the market. The X30 is a premium featured console, offering intuitive user interface with icon-based, user-definable, multi-touch screen. It offers mini-view drag-and-drop info windows, user definable dashboard, and interactive keypads.



AGI-4 Receiver/Steering Controller

The AGI-4 Receiver/Steering Controller is the industry's first truly modular ISO-compliant steering system. It features GNSS (GPS + GLONASS) satellite reception standard for multi-constellation satellite reception that gives unmatched accuracy in dynamic applications and terrain conditions.

With the X30/AGI-4 working with Topcon landforming equipment, you now have simultaneous landleveling and autosteering from a single console. Add Topcon AGForm-3D software and you have the ultimate solution to water conservation and grading.



AGFORM-3D SOFTWARE WITH VARIABLE SLOPE PWCS

AGForm-3D state-of-the-art survey and design software coupled with HiPer V receiver/base station is used for independent survey of fields and creating flat and single/dual slopes or multi slopes without leaving the vehicle cab.

AGForm-3D includes the Topcon Variable Slope PWCS field design software module that has revolutionized land leveling by significantly reducing the volume of material moved and by keeping design surfaces closer to the original terrain than older multi-planar methods.

AGForm-3D offers complete control with the ability to survey, design and create plots and reports in a single program. With no per-acre fees, it's a one-time investment that generates rewards immediately.

MC-R3

Receiver / Controller

The MC-R3 contains GPS receivers, radios and controllers in one rugged unit. Features Ethernet port, power processing capability and additional valve drivers for the widest array of machine compatibility.



HIPER V

Base Station

The simplest to use RTK base station in the industry, HiPer V integrates receiver, radio, antennas and a rechargeable battery to function as a mobile, cable-free base, fixed base or survey rover.



MC-A1

GNSS Antenna

The MC-A1 is a precision dual-frequency, dual-constellation antenna featuring micro-center technology plus integrated ground plane to reduce multipath errors.



CR-G5

Dome Antenna

CR-G5 Dome Antenna – exceptional performance in more demanding multipath-prone environments.





www.topconpositioning.com

