

A bracket of new releases from Topcon

Steep slope add-on kit gives control on more job sites:

Topcon has released a new 3D steep slope add-on kit for graders, giving contractors a wide-range sensor that allows extremely accurate operation in steep applications. The wider range slope sensor allows for precise measurement of up to 100% cross slope whenever needed by a Topcon System Five 2D or 3D application.

The new kit is compatible with all System Four, System Five and 9168 control boxes and features a temperature-compensated sensing element to cater for extremes of weather.



In other machine control news, digital-signal technology has been released:

An addition to Topcon's machine control 3D systems is its new MC 2.5 with digital UHF radio. It's now part of all radio /antenna add-on kits for Topcon 3D systems. The new component replaces older MC 2.5 receivers with new digital signal processing (DSP) UHF radio technology.

"With the new DSP digital UHF radio technology inside, cleaner digital information is now available at the machine interface," says Neil Other of Topcon. "The gain for the customer is better radio data, and flexibility in programming both channel spacing and frequency range. It's backward compatible to the current systems that are already deployed in the field."

The new MC 2.5 with digital radio is supported with version 6.11 3D-MC software.

TopNET+ is new RTK network software offering higher accuracy and improved performance —

TopNET+ for RTK reference station users is a significant upgrade of Topcon's premium TopNET software, released recently. The new software is claimed to provide benefits for users demanding very high accuracy and performance from their networks. "The addition of a robust data-modeling feature and integrity monitoring to a reference station network, guarantees TopNET+ will deliver consistent high accuracy and improved performance over the entire network geographical area," says the company.

Features of the new software package —

- Will remotely support a network of four or more GNSS+ receivers — GNSS signals without added cost,
- Supports an unlimited number of rovers,
- Advanced error modeling, delivering greater network accuracy over single baseline network solutions,
- Scalable solution in functionality and geographic coverage area,
- Provides an upgrade path from Topcon's TopNET CORS and TopNET RTK network software packages.

TopNET modules now available from Topcon are:

- TopNET CORS for simplified static or RTK operation
- TopNET RTK for networked point-to-point RTK operations
- TopNET+ for advanced network modeling and advanced network RTK application and operations.

A new and powerful, long-range total station series —

At the same price as older models, and 8% smaller, Topcon's GPT-7500 and GTS-750 total stations are claimed to offer improved performance, and according to the company, a range unmatched at present in the industry. The GPT-7500 can operate efficiently and effectively at two kilometres, it's said—a range of up to four times that of others.

The new total stations have a 400 MHz Intel processor running Windows CE and in the case of the GPT7500, a 2000 metre non-prism range. They're available in 25 mm, 75mm or 125 mm accuracy models; the 25 mm and 75 mm versions have dual displays, with the 125 mm version sporting a single display.

Features of the series include:

- Topcon's TopSURV on-board software,
- Large, backlit keypad, with bright, colour LCD touch screen,
- CF card, USB Type A and USB mini-slots, to provide new storage and transfer options,
- Increased battery capacity and operating time.

