

Trimble Introduces New Surveying Products

Trimble (CA, USA) has introduced five surveying products as part of its new Connected Survey Site model—the Trimble GX 3D Laser Scanner; the Trimble R8 system with Global Navigation Satellite System (GNSS) capabilities; the Trimble M3 Total Station; the Trimble R3 GPS System; and the Trimble S6 Total Station with GPS Search.

Trimble's Connected Survey Site model creates powerful working relationships among all Trimble products, technologies and services including support, infrastructure and partnerships.

The new Trimble GX scanner features flexible power supply options, station setup and a surveying data collector. The Trimble GX scanner suits both surveying and typical scanning applications. Real-time autofocus collects highly precise data in a short time: a 360° servo-driven system scans indoors and outdoors up to 200 metres. For jobs requiring less detail but longer range, Trimble's OverScan technology increases data acquisition capability up to 350 metres, which allows fewer setups for shorter survey times as well as the ability to scan larger objects. The Trimble GX scanner is supported by Trimble's PointScape and PocketScape field software; and in the office by Trimble RealWorks Survey software for processing and analysis of point cloud data. The Trimble GX 3D Scanner is currently available from Trimble's survey dealer network.

Powered by enhancements to Trimble R-Track technology, the new Trimble R8 GNSS system now supports both the new L2C and coming L5 GPS Modernization signals. Trimble R8 GNSS system includes a new RTK engine which is optimised to provide top performance with the new signals. The Trimble R8 GNSS system's flexible communication options include: an internal receive/transmit 450 MHz radio option and an internal GSM/GPRS option for Internet connectivity. The Trimble R8 GPS system with GNSS support is expected to be available in December through Trimble's survey dealer network.

The new Trimble M3 Total Station enables a surveyor to make long-distances with focusing Direct Reflect (DR) technology. An optimal plummet in the alidade expedites setup and ensures the highest accuracy possible at both 3" and 5" accuracy. The long-lasting battery offers two workdays of typical measurement activities and a large internal memory stores several days of data collection.

The new Trimble R3 GPS System integrates an L1 survey-grade receiver with the Trimble Recon Controller, a PDA. The system includes field and office software to provide a complete solution to bring precise, sub-centimetre control to survey operations, establish new localised control and collect topographic data. Users can perform Static, FastStatic and Kinematic surveys on short to moderate baselines quickly and easily. The Trimble M3 Mechanical Total Station and Trimble R3 GPS System are expected to begin shipping in November.

The Trimble Recon Controller runs the Microsoft Windows Mobile for Pocket PC operating system along with the Trimble Digital Fieldbook software. In addition to the familiar software options, the new Trimble Business Centre Office software is a solution for postprocessing, analysis, and adjustment of L1 GPS survey data.

With the new GPS-aided search capability for the Trimble S6 Total Station, the surveyor can locate and lock onto targets faster. By using a simple, consumer-grade GPS receiver connected to the field survey software at the robotic rover, the system provides fast, confident search and lock on the robotic rover. This combination of GPS and optical technologies results in greater speed and productivity for the surveyor using Trimble systems. This rapid search capability is available with the Trimble Field User Interfaces. GPS Search capability is already shipping in Trimble Survey Pro (GeoLock) and is expected to be available in an upcoming release of Trimble Survey Controller software.