

## OFFICE SOFTWARE SOLUTIONS

### TRIMBLE TERRAMODEL SOFTWARE



#### CONSTRUCTION

Terramodel uses a single-file project-model database that supports construction activities. It provides you with one tool that can be used for surveying and engineering tasks, as well as construction tasks such as calculation cut/fill volumes, creating steakout data and reports, calculating mass haul and construction phasing, preparing data for machine controlled construction, and producing as-built survey records during the construction phase. Projects created in Terramodel are straightforward to construct on site because they come from a model and not just a drawing.

#### SURVEY

The Terramodel software is ideal for a range of survey work, including the processing of (conventional or GPS) topographic surveys and control networks, as well as CAD editing and digital terrain modelling. The benefits of Terramodel's unique real-time database for the surveyor are enormous. Creating a project is simple and straightforward - raw survey data is automatically reduced to points and lines contained in a single project file. The final drafting is a reflection of your actual survey data.

### SPECTRA PRECISION SURVEY OFFICE



Spectra Precision Survey Office software is ideal for processing and analyzing GPS and GNSS, and terrestrial (total station and level) survey data recorded in the field, and exporting it to a design package. The software provides numerous innovative and unique features, and it is easy to learn and use. With Spectra Precision Survey Office software on your PC you have the ability to work with RTK and Static/PPK data to generate reports as well as identify and correct field errors. Import data from existing surveys or directly from the Internet and export data as points, or in CAD or XML format. Rest assured that your data is secure and reliable with built-in quality assurance and quality control features. The intuitive, integrated Spectra Precision Survey Office program saves time with its short learning curve and powerful features.

Survey data acquired in the field using a total station and contained in a data file can be imported into the software and integrated as necessary with other data collected as part of a survey project (for example, GNSS or level data).

### BATTLEFIELD EQUIPMENT LASER & GPS SERVICE REPAIR CENTRE



#### COMPLETE SERVICE & REPAIR SOLUTIONS

Located at Battlefield Equipment's Brampton location, this Factory Authorized Service Facility is ready to handle all your laser & GPS service needs using service technicians that have unmatched qualifications and experience. With a complete inventory of parts from industry manufacturers, we can offer complete repair and service on any make and model of construction lasers, levels, total stations, theodolites, locators, Trimble GPS systems, and much more.

Simply bring your equipment to any Battlefield Equipment location and we will have it properly serviced and quickly returned to you at the lowest prices in the industry.

### YOUR GPS, LASER & SURVEY SALES CONTACTS



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Sales Manager  
Laser & Survey Products  
Battlefield Equipment  
Cell: (705) 750-5745



**BILL FERRIER**  
Layout & Machine  
Control Specialist  
Battlefield Equipment  
Cell: (905) 977-7175



**KYLE BIRCH**  
Survey & Machine  
Control Specialist  
Battlefield Equipment  
Cell: (416) 606-3849

**BATTLEFIELD**



**GPS, Total Stations, Construction & Survey Solutions**  
Battlefield Equipment Rentals

1-800-RENT-CAT  
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## SITE POSITIONING SOLUTIONS

### MODULAR GPS RECEIVERS



#### SPS851 MODULAR GPS RECEIVERS

Trimble Modular GPS Receivers are ideal for semi-permanent or permanent setups, marine-based applications, as well as construction rover applications. The antennas can also be mounted in a marine vessel or on a site supervisor's vehicle.

The Trimble SPS751 and SPS851 receivers combine the radio and GPS receiver in a single housing. This allows contractors to secure the majority of their investment inside a site trailer or carrying case, protected from the elements and/or theft, leaving only the antennas outside.

### SMART GPS ANTENNAS



#### SPS882 SMART GPS ANTENNA

The Trimble SPS882 Smart GPS Antenna is the most flexible site positioning system available to heavy and highway contractors. Built on the Trimble Maxwell 6 GPS chip, the SPS882 is available in a range of options to suit your applications, flexibility and performance requirements.

The Trimble SPS882 Smart GPS Antennas can be used as either a rover for site measurement and stakeout, or as a base station for site measurement and machine control operations. Rover set up is fast and easy - just switch on the receiver, start up the controller and you're ready to go! And because the GPS receiver, GPS antenna, radio, radio antenna and battery are integrated into one housing, you don't have to deal with cables and multiple components.

## SURVEY SOLUTIONS

### GPS / GNSS RECEIVERS



#### EPOCH 35 GPS / GNSS RECEIVER

The Spectra Precision EPOCH 35 GNSS system uses highly accurate Global Positioning System (GPS) and GLONASS technology for cadastral, topographic, control, stakeout and other precision survey applications. Combining both these satellite services provides the user with the greatest possible satellite coverage. This allows observations in areas where only one satellite solution would not provide results. The EPOCH 35 is a complete GNSS system that includes a base, rover, field software, data collector, and radio modem. The EPOCH 35 GNSS receiver features integrated Bluetooth capability, and an internal, field replaceable battery. The rover includes an internal radio modem. The system runs Spectra Precision Survey Pro software.

### WIRELESS DATA LINKS



#### POSITIONING DATA LINKS HPB & LPB

Surveyors utilizing Global Navigation Satellite Systems require rugged radio modem data links for precise positioning information. PDL products are compact, lightweight and offer power-efficient operation. They are easy to use and provide high performance and rugged dependability for the toughest survey environments.

The PDL High Power Base (HPB) has a high output power of 35 W which makes it the most powerful radio of its type anywhere. With a fast over the air data rate, the PDL HPB also offers reduced latency for improved GPS positioning.

The PDL Low Power Base (LPB) offers 2 W of output power.

### SPS TOTAL STATIONS



#### SPS630 TOTAL STATION

The SPS630 Universal Total Station is a five second instrument, ideal for use in situations where the highest accuracy is not needed. The SPS630 is the perfect solution for UTS based excavator systems.

#### SPS730 TOTAL STATION

The Trimble SPS730 Universal Total Station provides three arc second accuracy in the horizontal plane and two arc second accuracy in the vertical, for contractors who want to take advantage of the same proven Trimble technology at a lower price point.

#### SPS930 TOTAL STATION

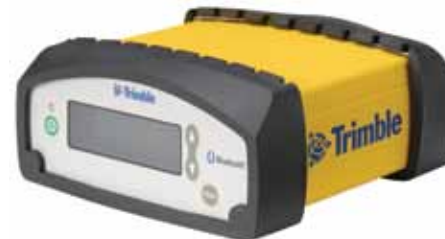
The Trimble SPS930 Universal Total Station is accurate to one arc second in the vertical and horizontal angles, making it ideal for fine grading operations where the accuracy tolerance is very tight.

### SITE BASE RADIO

#### SNB900 SITE BASE RADIO

The Trimble Site Network Base 900 is a multi-network 900MHz radio designed specifically for use with global positioning system (GPS) applications in the construction and mining industries.

The all-around SNB900 radio can be used as an external base station, repeater or rover radio. It offers a number of outstanding features and benefits for all off-machine applications



### SPECTRA PRECISION DATA COLLECTORS



#### SP RANGER

The Spectra Precision Ranger delivers field-proven durability with the features surveyors depend on. It meets rigorous standards for drops, vibration, humidity and extreme temperatures, and with an IP67 rating, it's impervious to water and dust, keeping your data safe. Integrated wireless capabilities let you connect to field equipment without bulky cables. Plus, with CF and SD slots, you can add multiple accessories and increase data storage.



#### SP NOMAD

The Spectra Precision Nomad, packed with functionality, is an extremely powerful and full-featured rugged data collector. Start with an 806 MHz processor, a long-life 5200 mAh lithium-ion battery and integrated wireless capabilities like GPS, WiFi 802.11g, and Bluetooth; then, the Spectra Precision Nomad adds 128 MB RAM and 1 full GB non-volatile flash storage to manage all the data you can collect. The Nomad features a high-resolution, sunlight-visible full VGA display that shows graphics and maps in crisp detail plus a backlit numeric keypad.



#### SP RECON

The Spectra Precision Recon data collector delivers maximum performance and reliability in a lightweight, extremely rugged design that's easy to carry. The waterproof Recon weighs just 490gms (17 ounces), meets military specifications for drops, vibration, and both high and low temperature operation, and runs Windows Mobile 6. The Recon offers industry-standard COM ports and a sunlight-readable color TFT display, so it works wherever and whenever you need it.

### SITE POSITIONING SOLUTIONS - SPS CONTROLLERS



#### TCU CONTROLLER

The Trimble Control Unit (TCU) is a rugged, attachable control unit, featuring a full keyboard for total station or Global Positioning System (GPS) operation. Running the Trimble SCS900 Site Controller software, the TCU offers an intuitive, easy-to-use interface for a wide range of site positioning applications, and has the power to hold information for multiple large jobsites to suit your needs.



#### TRIMBLE TABLET

The Trimble Tablet is a rugged, versatile and fully connected handheld computer for heavy and highway and marine construction professionals. The new Trimble Tablet is an integral component of the Trimble Connected Site portfolio of productivity enhancing technology solutions to streamline construction workflows between the office, field crews, site supervisors and earthmoving machines.



#### TSC2 CONTROLLER

The Trimble TSC2 controller is a rugged, adaptable handheld computer. This rugged handheld controller features a full keyboard for total station or Global Positioning System (GPS) operation. The TSC2 Controller offers an intuitive, easy-to-use interface for a wide range of site positioning applications, and has the power to hold information for multiple large jobsites to suit your needs.

### SPECTRA PRECISION FOCUS TOTAL STATIONS



#### FOCUS 6 TOTAL STATION

The FOCUS 6 Total Station offers clear-to-view quality optics, smart design and superior components your surveying jobs demand. The FOCUS 6 is a fast measuring device in both Prism (0.8 sec) and Reflectorless (1.0 sec\*) modes for improving your day-to-day field operations. For most construction and surveying applications the FOCUS 6 Total Station 2" and/or 5" accuracy is ideal. Coupled with its quality, you can be confident that you are achieving a maximum of accuracy with every measurement.



#### FOCUS 8 TOTAL STATION

The Spectra Precision FOCUS 8 Total Station offers the power of Windows CE operating system and world class Spectra Precision Survey Pro field software combined with clear-to-view quality optics, smart design and superior components that your surveying jobs demand. The Spectra Precision FOCUS 8 has intuitive Survey Pro on-board software that is easy to use and it has a large display that makes data management simple.



#### FOCUS 30 TOTAL STATION

The FOCUS 30 fully robotic motorized solution provides the same usability as a mechanical total station, but with improved speed, accuracy and precision in measurement. A robotic instrument moves the power of the observer from the instrument to the range pole, improving the quality of your work.