SITECH INTERMOUNTAIN

Increase Productivity With The Latest Positioning Technology

Trimble Authorized Dealer

YOUR CONSTRUCTION TECHNOLOGY PROVIDER

SITECH Intermountain

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SITECH®

SITECH Intermountain is established in Utah as well as in several adjacent counties in Wyoming, Nevada, and Arizona and joins the premier network of SITECH dealerships—the first fully dedicated global distribution network offering the most comprehensive portfolio of construction technology systems available to the heavy and highway contractor.

SITECH Technology Dealers represent Trimble® and Caterpillar® machine control systems for the contractor's entire fleet of heavy equipment regardless of machine brand, along with Trimble's portfolio of Connected Site® solutions—site positioning systems, construction asset management services, software and powerful wireless and Internet-based site communications infrastructure.

With an expanded portfolio of construction technology solutions, we advise contractors regarding the correct technology for the job along with providing high-quality local customer service, personalized training, and technical support. As authorized representatives for Trimble site-wide solutions and Caterpillar machine control systems, the SITECH Intermountain team understands how to apply innovative construction technology to effectively solve the biggest construction challenges and will guide customers in leveraging the most complete portfolio of construction technology solutions available today.

The team at SITECH Intermountain understands how to apply Trimble technology to effectively solve some of the biggest challenges you face on the construction site. We'll help you leverage Trimble systems for your entire fleet of heavy equipment and we're your local experts for Trimble Connected Site® solutions. Here are just a few of our areas of expertise:

- Grade control systems
- Site positioning systems
- Construction software solutions
- Aerial drone sales & software services
- Service Center
- Safety products and consumables for all your job site needs

Topo & Stakeout

Site Positioning Systems

Design & Take Off

Software Solutions

Machine Control

2D/3D Machine Control

MACHINE CONTROL SYSTEMS

CONSTRUCTION TECHNOLOGY FOR HEAVY & HIGHWAY CONTRACTORS

FULLY SCALABLE

Only our machine control is flexible enough to let you equip your entire fleet—excavators, dozers, scrapers, graders, trimmers, milling machines, compactors, pavers and more—with fully upgradeable technology. Start where you need to start and add as you need to add. Sonic, angle sensors, laser, GNSS, total station ... select the best option for the machine and application.

2D MACHINE CONTROL SYSTEMS

CONFIGURATION	TARGET MACHINES	DESCRIPTION	KEY COMPONENTS
SINGLE ELEVATION	dozers graders	Single control system that uses a laser receiver to control the lift of the machine blade for flat work and finished grading	Laser Laser receiver Control box
DUAL ELEVATION, OR ELEVATION AND BLADE SLOPE CONTROL	dozers graders compact machines	Dual control system that controls both the lift and tilt of the machine blade for flat and slopework and finished grading	Laser 2 Laser receiver -or- Laser receiver Slope sensor Control box
CROSS-SLOPE CONTROL	graders compact machines	Cross-slope control system to be used on motor graders for fine grading work for road maintenance, ditches and slope work	2 angle sensors Rotation sensor Control box
CROSS-SLOPE AND ELEVATION CONTROL	graders compact machines	Highly flexible cross-slope and elevation control system for fine grading work with tight tolerances for road maintenance and construction, embank-ments, flat and slope work	2 angle sensor Rotation sensor Laser receiver -or- Sonic tracer Control box
DEPTH, SLOPE, AND ELEVATION	excavators	Highly flexible system for excavation, trenching, grading and profile work	Angle sensors Laser catcher Control box
GRADE AND SLOPE CONTROL	asphalt pavers	Grade and slope control system for paving of base material and asphalt	Sonic tracer Sonic averaging beam Contact sensor Slope sensor Control box

3D MACHINE CONTROL SYSTEMS

SINGLE GNSS	dozers graders scrapers excavators compact machines	Cost effective, full 3D control system that measures the position and slope of the blade and compares that to design data for rough grading and mass excavation on complex design surfaces	Angle and rotation sensors Single Smart GNSS Antenna Control box Rugged on-machine radio
DUAL GNSS	dozers graders scrapers excavators compact machines	Full 3D control system that measures the exact position, cross slope and heading of the blade, bucket, drum for rough grading and mass excava-tion on steep slopes and complex design surfaces	Dual Smart GNSS Antennas Control box Rugged on-machine radio
SINGLE OR DUAL GNSS	soil compactors	Continuous compaction control and documenta-tion for Soil Compaction with real-time material compaction mapping and detection	Single or dual Smart GNSS Antenna(s) Compaction sensor Control box Rugged on-machine radio
UNIVERSAL TOTAL STATION	dozers graders excavators compact machines soil compactor	Total station based system for applications requiring extreme accuracy for lift and layer control, material monitoring, or for jobs where GNSS is not the ideal solution because of overhead obstructions	Single on-machine active target Control box Rugged on-machine radio Universal Total Station
UNIVERSAL TOTAL STATION	asphalt pavers milling machines trimmers compact machines	Total station based system for high accuracy paving, milling and trimming without stringlines	Single on-machine active target Control box Rugged on-machine radio Universal Total Station

2D GRADE CONTROL SYSTEMS

FOR SIMPLE EXCAVATION

SITECH Intermountain has affordable 2D systems that can help you achieve excellent results for many projects not requiring 3D positioning like parking areas, runways, building sites and simple excavation. A Trimble® GL series automatic grade laser and laser receiver will accurately measure depth and slope for any excavation. To measure the slope of the blade, add another laser receiver or a slope sensor. An in-cab Trimble® CB450 or CB460 Control Box provides elevation and slope guidance, so you can accurately and quickly get to grade. Trimble® 2D Grade Control can be upgraded to a 3D Grade Control System.

TRIMBLE LR410 LASER RECEIVER

The Trimble® LR410 is mounted to a mast on the blade and connected to the machine hydraulics to control lift to a sub cm accuracy.

TRIMBLE ST400 SONIC TRACER

The Trimble® ST400 is mounted to the blade and uses a physical reference such as curb, gutter and stringline.

TRIMBLE GCSFLEX

The Trimble® GCSFlex™ 2D Solution offers contractors a reliable, flexible and affordable option to leverage machine control technology. With several configuration options available, it can be used for a variety of excavation projects including digging for basements and footers, and trenching for conduit and utilities.

2D/3D GRADE CONTROL SYSTEMS
FOR COMPACT MACHINES

SPECTRA PRECISION CB30 DUAL CONTROL BOX FOR AUTOMATED 2D MACHINE CONTROL

The advanced, yet affordable Spectra Precision® CB30 Dual Control Box simultaneously controls lift and tilt of a skid-steer loader attachment, drag box, small dozer or grader blade.

The CB30 is an automatic machine control product that is ideal for contractors who need affordable, automatic, accurate grade control for leveling projects. The CB30 delivers reduced costs, greater jobsite efficiency, and fast return on investment.

Features

- Advanced, yet affordable lift and tilt in one control box
- Simultaneous, automatic control of lift and tilt of blade or attachment
- Designed-in flexibility performs simple elevation display to more complex grading jobs requiring automatic elevation and slope blade control
- Used with Spectra Precision® Laser LR50 Grade Display Receiver and Spectra Precision® Laser LR60 Grade Display Receiver.

Applications

- Building pads
- Sports fields
- House pads

SPECTRA PRECISION LR50 RUGGED 360-DEGREE LASER DISPLAY RECEIVER

The Spectra Precision® Laser LR50 Laser Display Receiver is designed to be used as a stand-alone display receiver or in conjunction with the CB30 on grading and excavating equipment including: dozers, excavators, backhoes, scrapers, and box blades. The easy-to-use LR50 features versatile 360-degree laser reception with built-in blade tilt and excavator boom plumb indicator.

The LR50 works with many types of rotating lasers on all types of machinery for fast, no-hassle setup. Rugged and waterproof, the LR50 receiver withstands all weather environments. Internal isolating shock mounts protect the electronics.

Features

- Built-in blade tilt indicator helps the operators keep the blade level for increased accuracy and productivity.
- Center On-grade provides an equal amount of grade information above and below on-grade. Use on dozers, graders, scrapers and box blades.
- Offset on-grade for productive excavation provides additional above grade information for less undercuts.
- Built-in plumb indicator for fast, accurate grade checking for excavators and backhoes.
- Up to six channels of grade information plus directional out-of-laser beam indicators.
- Three selectable accuracies meet job tolerances from rough grading to final finishing for maximum flexibility.
- Adjustable, ultra-bright LED with green on-grade display provides user selectable, easy-to-see display to match ambient lighting conditions.

3D GRADE CONTROL SYSTEMS
FOR GRADERS

TRIMBLE GCS900 3D GRADE CONTROL SYSTEM FOR GRADERS

The Trimble® GCS900 or Cat® Accugrade™ Grade Control System for graders with dual GPS can be installed on motor graders for a wide range of earthmoving applications helping contractors to significantly improve their productivity and profitability. The 3D Machine Control System on a motor grader is a full 3D control system that puts the site plan – design surfaces, grades and alignments – inside the cab.

The Trimble patented dual GPS antenna configuration is preferred for GPS-based Grade Control Systems. Using GPS, the exact position, very accurate cross slope, and heading of the blade is measured. This is especially advantageous for complex design surfaces such as super-elevation grading tasks.

The on-board computer uses this position information, and compares it to the design elevation to compute cut or fill to grade. This information displays on the Control Box screen in plan, profile, cross-section view, or text. The cut/fill data is also used to drive the valves for automatic blade control. Additionally, the cut/fill data is passed to the control box lightbars, providing additional visual guidance to the operator for up/down to grade and right/left to a defined alignment. The GCS900 on a motor grader can be operated in either indicate or automatic mode.

The Trimble® SR300 laser augmentation mast can be used to improve the vertical accuracy to sub cm precision.

MOTOR GRADER 3D SINGLE GNSS

Trimble® GCS900 on a motor grader is also available with a single GPS antenna that uses additional sensors for cross slope. Although not as versatile as the dual GPS system, it works well on less complex projects. The Single GPS option is upgradable to the dual GPS or UTS Systems.

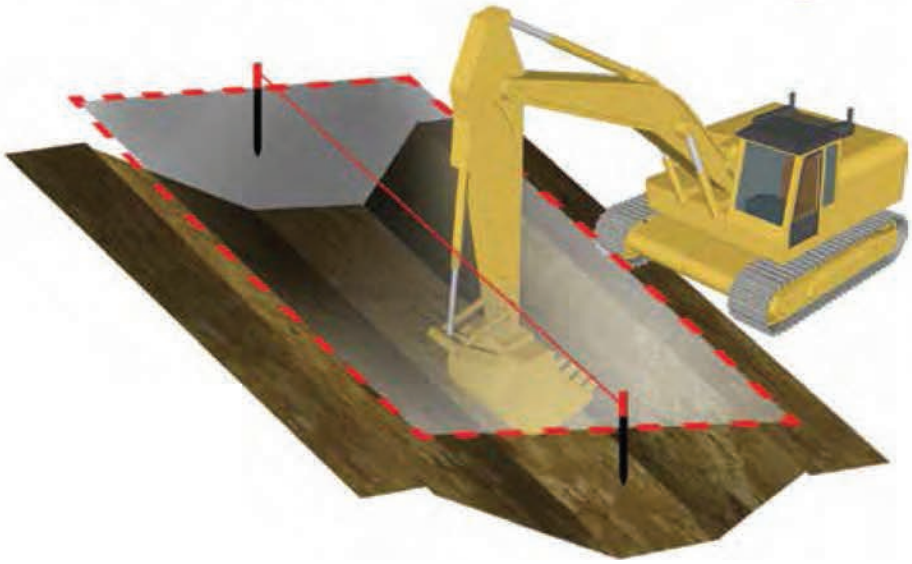
3D GRADE CONTROL SYSTEMS
FOR EXCAVATORS

TRIMBLE GCS900 3D GRADE CONTROL SYSTEM

The Trimble® GCS900 Grade Control System with dual GPS can be installed on all excavators including those with tilt buckets and extended booms for mass excavation projects. The system uses two GPS receivers and solid state angle sensors to measure the precise 3D position of the tip of the bucket.

FEATURES & BENEFITS:

- Significant cost savings
- Less time to completion
- Less rework
- No waiting for stakes to be set
- More accurate, more consistent excavations
- Perform more complex excavation



APPLICATIONS:

- Roads and highways - rough grading
- Large earthmoving projects - dams, reclamation, etc.
- Landfills and waste deposits
- Commercial site prep- complex design
- Pipelines
- Underground utilities

EARTHWORKS GRADE CONTROL SYSTEM

FOR EXCAVATORS

TRIMBLE EARTHWORKS GRADE CONTROL SYSTEM

The new Trimble® Earthworks Grade Control Platform is designed to help you do more in less time. Reengineered from the ground up, our innovative, next generation grade control platform features intuitive, easy to-learn software that runs on an Android operating system. And state-of-the-art software and hardware give operators of all skill levels the ability to work faster and more productively than ever before.

INTUITIVE SOFTWARE, RUGGED HARDWARE

The Trimble® Earthworks grade control application runs on the new 10-inch (25.7 centimeter) Trimble® TD520 touch-screen Android display or third-party Android tablets. The software was created in collaboration with construction equipment operators around the world, so the interface is optimized for ease-of-use and productivity.

Colorful graphics, natural interactions and gestures, and self-discovery features make Earthworks intuitive and easy to learn. Each operator can personalize the interface to match their workflow and a variety of configurable views make it easier to see the right perspective for maximum productivity. Earthworks allows data files to be transferred to or from the office wirelessly and automatically so you've always got the latest design.

3D GRADE CONTROL SYSTEMS
FOR DOZERS

Dual Antenna or Single

Dozers have the option to be fitted with one or two GPS receivers depending on the application, your SITECH Intermountain representative can guide you on the system that maximizes your productivity depending on your application. Single GPS systems with "indicate" are often all that is required on bulk earthmoving applications, upgrading to fully automatic and dual GPS configurations the closer to finish grade and more complex the design the dozer is used for.

TRIMBLE GCS900 3D GRADE CONTROL SYSTEM FOR DOZERS

Helps you achieve accurate finished grade with fewer passes. Design information and live cut/fill indivations are displayed in the cab, allowing the job to be done safer, much faster and without the need for survey stakes. The dozer blade control can be completely automatic or the operator can use the in cab display and control the operation himself.

The system provides real-time information for monitoring avoidance zones and simultaneously collected as-built data as the machine cuts to grade. With VisionLink this information can even be monitored remotely from your office.

All SITECH Intermountain's dozer systems include Trimble's GradeMax™ technology, which doubles the update rate for GNSS data controlling blade movement. Faster data means smoother, more consistent control and rapid recovery of the dozer blade so operators can now grade higher quality surfaces at faster speeds, on simple or complex designs, and in any material type.

TRIMBLE GNSS MS995 SMART ANTENNA

The Trimble® MS995 is an integrated GPS+GNSS receiver, antenna, and isolation system all in a single, extremely rugged housing. It uses the advanced Trimble® RTK engine for faster initialization times when satellite lock is lost and enhanced performance near obstructions.

TRIMBLE SR300 LASER RECEIVER MAST

The Trimble® SR300 is mounted on the machine blade and used with a GL series Grade Laser for excellent vertical control.

It can also be added to a Trimble® GNSS Smart Antenna for enhanced vertical accuracy (sub 1cm).

2D/3D GRADE CONTROL SYSTEMS

FOR TERRAIN LEVELERS, TRENCHING

TRIMBLE GCS900 GRADE CONTROL FOR TERRAIN LEVELERS AND TRENCHERS

The Trimble® GCS900 for terrain levelers and trenchers is available in 2D and 3D configurations. 3D configurations use either a Single MS995 with Cross Slope Sensors or Dual MS995 GPS Smart Antenna's to accurately control the machine. 2D systems use an LR410 Laser Receiver, cross slope sensors and Spectra Precision® rotating laser to control the elevation only. Most new Vermeer machines are standard Trimble Ready for quick installations.

2D LASER SYSTEM

2D Systems use a Trimble® LR410 laser receiver, cross slope sensors and rotating laser to control the elevation only.

SINGLE GPS SYSTEM

A Single GPS system uses one Trimble® MS995 GNSS receiver and cross slope sensors to accurately control the cutting head depth & pitch.

DUAL GPS SYSTEM

A Dual GPS Systems uses two Trimble® MS995 GNSS receivers to accurately control the cutting head depth and pitch.

2D/3D PAVING CONTROL SYSTEMS

FOR PAVERS AND MILLING OPERATIONS

TRIMBLE PCS400 FOR 2D PAVING

The Trimble® PCS400 Averaging Beam uses three evenly spaced Trimble® ST200 Sonic Tracers to average out uneven reference surfaces. The Trimble® ST200 Sonic Tracers mounted on the averaging beam ignore irregularities such as grates and stones that could otherwise decrease accuracy. The beam measures a 10.9m (extended up to 13.9m) in length as required by some government agencies and swings back behind the paver to reference both the adjoining surface and freshly laid mat.

3D PAVING AND MILLING WITH TRIMBLE PCS900

The Trimble® PCS900 Paving/Milling Control System adds the accuracy and flexibility of 3D technology to your paving and milling operations, giving you the flexibility of operating in either 2D or 3D mode, depending on project needs.

The Trimble® PCS900 uses highly accurate robotic total stations to precisely Pave or Mill with variable depth and slope based on the 3D design.

The Trimble® PCS900 3D paving system regularly achieves asphalt mat accuracies of 3-6 millimeters, making it ideal for projects such as airports, large commercial surfaces and highways.

COMPACTION CONTROL SYSTEMS

FOR ASPHALT AND SOIL

TRIMBLE CCS900 ASPHALT COMPACTION CONTROL SYSTEM

The asphalt compactor is the last machine to pass over your paving project, and mistakes during this phase can be very costly to fix. The Trimble® CCS900 will calculate the exact position of the machine and display a color map indicating the current number of passes and possible overlaps. With two (2) Infrared sensors you can also measure the surface temperature insuring the asphalt is at the correct temperature for compaction.

TRIMBLE CCS900 SOIL COMPACTION CONTROL SYSTEM

Successful soil compaction requires each layer to have proper thickness, density and moisture. If one layer is not strong enough either through under or over compaction the road could possibly fail. With the Trimble® CCS900 Compaction Control System you can easily measure and record accurate pass counts and soil stiffness, insuring operators perform properly and giving clients confidence in your work.

TRIMBLE IS310 INFRARED TEMPERATURE SENSORS

The Trimble® IS310 Infrared Temperature Sensors are installed on the front and rear drum to measure surface temperature of the mat in the direction of operation.

TRIMBLE CM310 COMPACTION SENSOR

The compaction sensor measures compaction value, vibration frequency and vibration amplitude for vibration rollers.

CONTROL BOXES
FOR SPECIFIC APPLICATIONS

TRIMBLE TD520 INTUITIVE SOFTWARE, RUGGED HARDWARE

The Trimble® Earthworks grade control app runs on the new 25.7 centimeter Trimble® TD520 touch-screen Android display.

- Colorful graphics, natural interactions and gestures, and self-discovery features make Earthworks intuitive and easy to learn
- Personalized interface with configurable views for each operator make it easier to see the right perspective for maximum productivity
- Uses Android operating system

TRIMBLE CB460 CONTROL BOX

- Large screen size: 178mm, 800(w) x 480(h) pixel, 256k true color, TFT active matrix, 1000 (typ) cd/m2. LCD brightness is adjustable over a suitable range to accommodate different working conditions
- Windows CE 5.0 Operating System
- Both serial and Ethernet connections for increased sync speed
- 4GB Memory
- USB Host Port on Front Face protected with self closing Protective Cover
- 4 x Integrated Lightbars. Each Lightbar has 1 central Green LED with 3 Amber LED's each side of the central LED
- Ambient light sensor for Automatic brightness control
- 17 Logically placed backlit keys which provide crisp tactile feedback when activated
- 39-pin sealed military rated quick release tool-less connector
- Field upgradeable software via USB 2.0 port
- In-built buzzer (with adjustable levels) for Operator feedback and warning

The Trimble® CB450/CB460 Can Be Configured For Your Specific Application:

2D Indicate, 3D Indicate, 3D Automatics

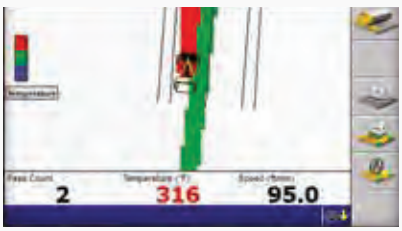
TRIMBLE CB450 CONTROL BOX

- 109mm, 480(w) x 272(h) pixel, 256k true colour, TFT active matrix, 450 (typ) cd/m2. LCD brightness is adjustable over a suitable range to accommodate different working conditions
- USB Host Port on Front Face protected with Silicon Cover
- 500Mb Memory
- 4 x Integrated Lightbars. Each Lightbar has 1 central Green LED with 3 Amber LED's each side of the central LED
- Ambient light sensor for Automatic brightness control
- 7 Logically placed backlit keys provide tactile feedback when activated, allowing operators to focus on the job and not the controls.
- 39-pin sealed military rated quick release tool-less connector
- Field upgradeable software via USB port
- In-built buzzer (4 Volume settings) for operator feedback and warning

DOZER CONTROL

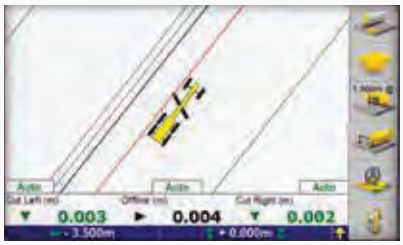
Shown on Trimble® CB460

COMPACTOR CONTROL



Shown on Trimble® CB450

GRADER CONTROL



Shown on Trimble® CB460

SITE POSITIONING SYSTEMS

FOR THE CONSTRUCTION SURVEYOR

TRIMBLE SPS985 SMART ANTENNA

The ultra-rugged Trimble® SPS985 GNSS Smart Antenna is a valuable solution for contractors who need a precise GPS/GNSS Rover for their surveying and engineering departments. Ideal for use on small and large job sites, the Trimble® SPS985 can serve as a GNSS rover system or as a WI-FI capable base station for other GNSS operations including machine control.

- GPS and all other available constellations
- Fastest RTK engine
- Geodectic antenna with Multi-path rejection.
- Internal Radio
- Remote support and configuration
- Connects through Bluetooth
- High precision, 440 channels

TRIMBLE SPS985L SMART ANTENNA

- GPS + GLONASS + QZSS
- Rugged Design
- Cost-effective solution with limited options
- Internal Radio
- Bluetooth
- Remote Support Available
- High precision, 440 channels
- Geodetic antenna with Multi-path rejection

TRIMBLE SPS855 GNSS MODULAR RECEIVER BASE STATION

The Trimble® SPS855 GNSS Modular Receiver is simply the most advanced construction modular receiver on the market. Its position-only or position and heading capability set it apart from the competition. Its ease of configuration and as a base or rover, and its choice of antennas make it truly universal – capable of any operation.

TOTAL STATIONS

FOR SURVEYING AND MACHINE CONTROL

TRIMBLE TS662/TS635 TOTAL STATIONS

- Long-range reflectorless measurements up to 300m
- Single prism range: 3000m (TS662) , 5000m (TS635)
- Precision measuring accuracy: 2”/0.5 mgon (TS662), 5”/1.5 mgon (TS635)
- Rugged, IP66 rating to withstand construction conditions
- Absolute encoded, dual axis compensated
- Alpha-numeric keyboard with dedicated keys for menus and modes
- Illuminated graphic display for easy operation in the field
- Intuitive on-board software
- Dual lithium-ion batteries for a full day of continuous use up to 19 hours
- Can be used with the Trimble TSC3 data collector

TRIMBLE SPS730/930 UNIVERSAL TOTAL STATIONS

- One man operation and machine control compatible
- Robotic range of 500 meters
- Up to 1300m reflectorless range
- Up to 5500m with 1 prism in long range mode
- Trimble® MultiTrack™ technology - Locks on and tracks passive prisms for monitoring or control measurements, and active prism targets for dynamic measurements required for grade control applications
- Trimble® SurePoint™ technology - Automatically corrects the horizontal and vertical angles and instrument pointing for mislevelment of the instrument
- Patented high speed Trimble® MagDrive™ technology - turns the instrument up to 115° per second
- 3Hz DR scanning - Super fast scanning capability for vertical / sloping profile measurements and stockpile scans
- The Trimble® SPS930 Universal Total Station is accurate to one arc second in the vertical and horizontal angle
- The Trimble® SPS730 Universal Total Station provides three arc second accuracy in the horizontal plane and two arc second accuracy in the vertical

TRIMBLE SPS720 AND SPS620 ROBOTIC TOTAL STATIONS

- One man operation
- Robotic range of 500 meters
- Up to 800m reflectorless range
- Up to 5000m with 3 prisms
- Trimble® Active Target Tracking Technology
- Patented high speed Trimble® MagDrive™ technology turns the instrument up to 86° per second
- The Trimble® SPS620 provides 5 arc second accuracy for the vertical and horizontal angle measurements.
- The Trimble® SPS720 provides 3 arc second accuracy in the horizontal angle and 2 arc second accuracy in the vertical
- The Trimble® SPS620 and SPS720 Robotic Total Stations offer a high performance, but cost-effective solution for job sites that do not need a total station for machine control

CONTROLLERS
FOR SURVEYING AND MACHINE CONTROL

TRIMBLE TSC3 CONTROLLER

The Trimble® TSC3 controller is a rugged and flexible handheld data collector that comes standard with Trimble® SCS900 Site Controller Software for site measurement, stakeout, and grade checking operations. Using this combination of rugged hardware and targeted software gives supervisors, foremen, grade checkers and site engineers total control of site operations.

The Trimble® TSC3 is water and dust resistant to withstand the toughest weather and jobsite conditions. Operates in temperatures ranging from -30 C to +60 C.

- TSC3 can be used as a controller for any Trimble GPS or Total Station product
- Built in GPS for stand alone operation
- Rugged, durable design
- Large 4.2" high resolution touch screen
- Built in 3G modem
- Bluetooth for cable free use
- Remote Assistant Available
- 802.11 WiFi
- Optional 2.4ghz radio for total stations
- 5mp camera
- Comes with SCS900 Software

TRIMBLE SITE TABLET 10

An advanced data collector and jobsite computer, which provide real time data to construction professionals for visualizing cut/fill levels, calculating material volumes and communicating work orders. By incorporating a cellular modem, laptop, GPS and controller, Trimble has drastically advanced in-field computing and eliminating the gap between office design and field implementation.

- Microsoft® Windows® 10 Professional operating system
- 10.1 inch, sunlight readable Gorilla® glass touchscreen display
- 4G LTE WWAN data compatible with GSM networks
- 2-4 meter GPS integrated receiver and antenna
- Optional 2.4ghz radio for total stations
- 8 MP rear camera
- External battery for up to 10 hours

TRIMBLE SITE MOBILE CONTROLLER

The Trimble® Site Mobile can be used as a controller for any Trimble® GPS product.

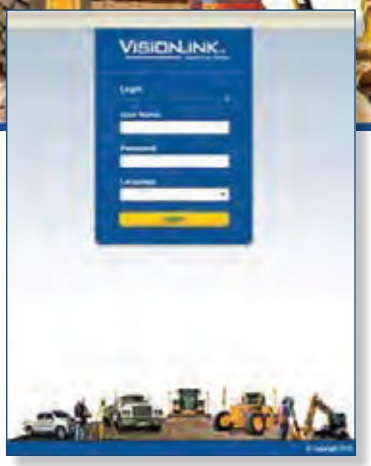
- Built in GPS for stand alone operation, 2-4 meter accuracy
- Large 4.3" high resolution touch screen
- Corning Gorilla Glass panel display for toughness
- Built in 3.75G GSM modem for data, voice and text
- Rugged, durable design
- Bluetooth for cable free use
- 802.11 WiFi
- 8mp camera

SOFTWARE SOLUTIONS
FOR CONSTRUCTION MANAGEMENT

TRIMBLE VISIONLINK

The VisionLink solution from Trimble and SITECH Intermountain integrates site productivity, material quantities, and materials movement with asset and fleet management to give you a detailed view of your site so you can make the right decision at the right time.

- Know when and where your equipment is working
- Monitor asset utilization and minimize idle times to reduce equipment depreciation and eliminate unnecessary and costly fuel burn.
- Manage and make informed decisions about production efficiency.
- See continuously updated surface models based on machine activity.



ASSET MANAGEMENT

Monitoring Your Entire Fleet

- Equipment location
- Machine hours
- Idle time
- Fuel usage (limited equipment only)
- Operator abuse (limited equipment only)

2D PROJECT MONITORING

Automatic Monitoring of Earth Moving Cycle Times for Maximum Efficiency

- Load counts
- Cycle Times
- Load location
- Dump location
- Daily Quantities Moved
- Material flow from zone to zone

3D PROJECT MONITORING

Automatic Monitoring of Grading and Finishing Operations

- 3D surface maps
- Cut and fill maps
- Pass count reports for compaction
- Temperature maps for asphalt compactors

SOFTWARE SOLUTIONS

BUSINESS CENTER

BUSINESS CENTER - HCE

The easy-to-use, graphical Business Center – HCE is ideal for the preparation and management of data for heavy and highway construction projects.

- Field data management with Trimble grade control, paving control and site positioning field systems
- Data preparation for machine control and site positioning systems
- Quantities takeoff and cost estimating
- Construction planning using site and corridor mass haul
- 3D visualization using multiple surfaces, corridors, textures and images
- Adobe® PDF importing and onscreen digitization
- Integration with Connected Community facilitates file sharing and data visualization
- Easy volume calculations
- Network Adjustment
- Site Takeoff
- Road Takeoff

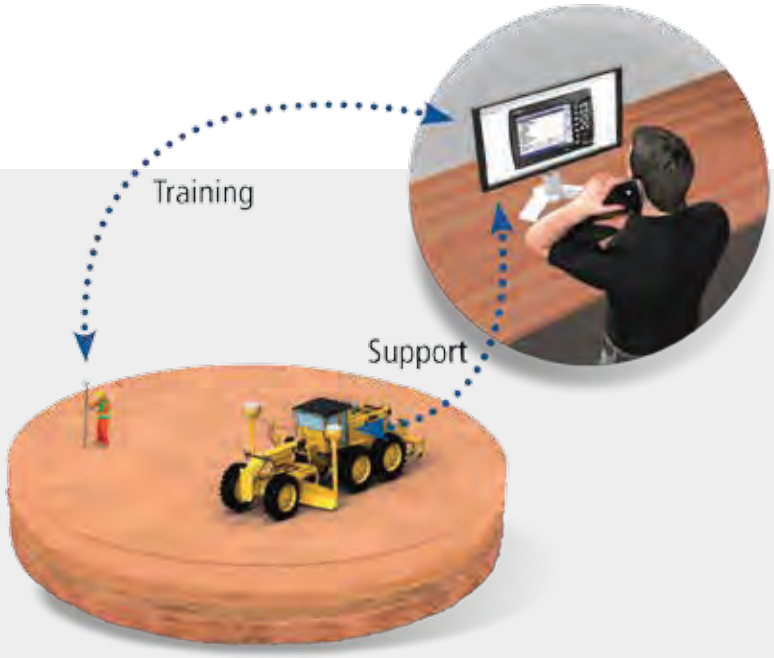
TRIMBLE CONNECTED COMMUNITY

2-Way Data

USB sticks and cables are a thing of the past. With Wireless Data Sync you can just download and upload files by using the transfer button on your field device, or even set up an automatic sync so the field device files are uploaded to Connected Community automatically. Now the field and machine crews can send the office team work files effortlessly with no drive time. So everyone is on the same page, in real-time

REMOTE ASSISTANT

When a member of your field crew calls the support line, technical support logs into Connected Community, and selects the operators Control Box or Controller to see what the operator sees. Now everyday issues such as design file versioning and machine configuration for grade control can be addressed without ever leaving the office or taking the machine out of production.



AERIAL SERVICES

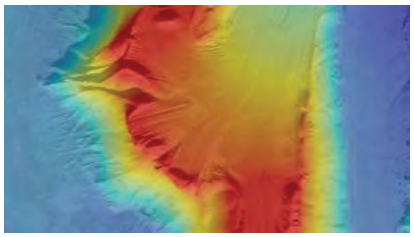
SITECH Intermountain offers the most comprehensive portfolio of construction technology systems, services and solutions available to the construction markets. One of our most exciting offerings is Unmanned Aircraft Solutions. SITECH Intermountain UAS Solutions are designed to dramatically reduce time and cost while providing superior data and service, all in the safest application.

- **Reduce Time:** Collect more data much faster than traditional survey & quantity measuring methods.
- **Reduce Cost:** SITECH Intermountain offers several UAS solutions spanning a wide range of applications.
- **Superior Data:** Analyze more detailed topography data than traditional survey & quantity measuring methods.
- **Superior Service:** Dedicated Pilots and Support Specialists guarantee quality results and rapid response times.
- **Safest Application:** Avoid rugged, hard to get to and hazardous terrain.

CUSTOMER SEGMENTS

Construction: Monitor construction projects to increase productivity

- Detect breaklines and check embankment slopes
- Perform cut/fill differences
- Measure stockpile volumes and assign material types
- Compare plans to as-built
- Maintain regulatory compliance

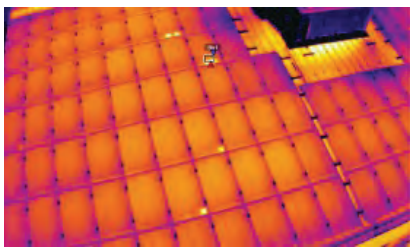


Landfill: Monitor compaction passes to increase productivity

- Measure quantity projections
- Compare plans to as-built

Mining & Quarry: Monitor production & efficiency and ensure safety & compliance

- Measure stockpile volumes and assign material types
- Get haul road analytics to optimize fleet fuel consumption and traffic
- Plan blastings and track changes over time
- Monitor heights of high walls
- Detect non-compliant safety blocks and berms



Infrastructure: Map, inspect and document progress

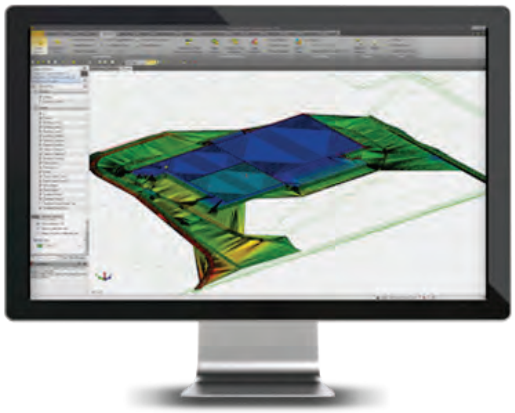
- Oil & gas flare stack inspections
- Wind farm blades inspections
- Bridge inspections
- Pipeline and Rail line monitoring
- Disaster monitoring
- Agriculture inspections
- Power transmission tower and line inspections

Insurance: Collect high-resolution imagery of customer properties

- Eliminate the need to climb on property
- Gather accurate measurements and damage assessments
- Improve underwriting by accurately determining property conditions
- Analyze high-resolution terrain data for more accurate flood modeling
- Reduce inspection cycle time
- Settle claims faster

AERIAL SERVICES (cont.)

SOFTWARE SOLUTIONS



Business Center – Powerful tools help you create accurate, integrated 3D models for sites and highways quickly and easily. Make better decisions, decrease costly mistakes, and increase efficiency in the office and on the job site.

Pix4D – Advanced photogrammetry software uses images to create professional orthomosaics, point clouds, models and more.

Redbird – Cloud-based survey planning, cloud data processing, analytics, and reporting, all within a workflow that enables companies to integrate aerial data into their existing business processes and systems.

DRONE SALES

SITECH Intermountain offers the best drone solutions for all the markets we serve.

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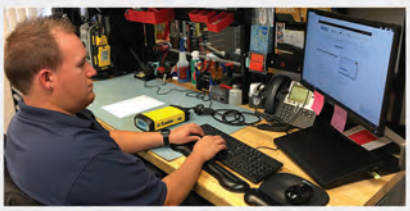
SITECH Intermountain maintains a Trimble/Spectra Precision Level 3 Factory Authorized service center capable of servicing all your construction laser, GPS and machine control components. Our technicians are certified on the latest calibration equipment and offer a range of services from Calibrations, Preventative Maintenance and Cleanings to Software/Firmware Upgrades, Extended Warranty Upgrades and Cable Repairs. In addition to Trimble and Spectra Precision, our technicians are experienced in the repair of Topcon, Leica, Laser Alignment, AGL, Apache, Sokkia and many more.

Our calibration equipment includes an Optical Collimation Range, Digital Bench Collimation Range, 894VR Laser Video Range, CR894 Laser Calibration Range and a Total Station Direct Reflect and Prism Baseline Range.

We have a large inventory of service parts to ensure a quick turnaround and offer rental units so there is absolutely no down time.

GPS/GNSS Base Stations, Rovers and Controllers



Authorized Trimble service center for GPS/GNSS Base Stations, Rovers and Controllers

Total Stations and Theodolites

Calibration, certification and repairs of Trimble total stations and theodolites

Laser & Receiver Calibration and Service

Calibration and Certification of all types of laser

Machine Control

Authorized Trimble Service Center for receivers, control boxes, radios, sensors and cables.

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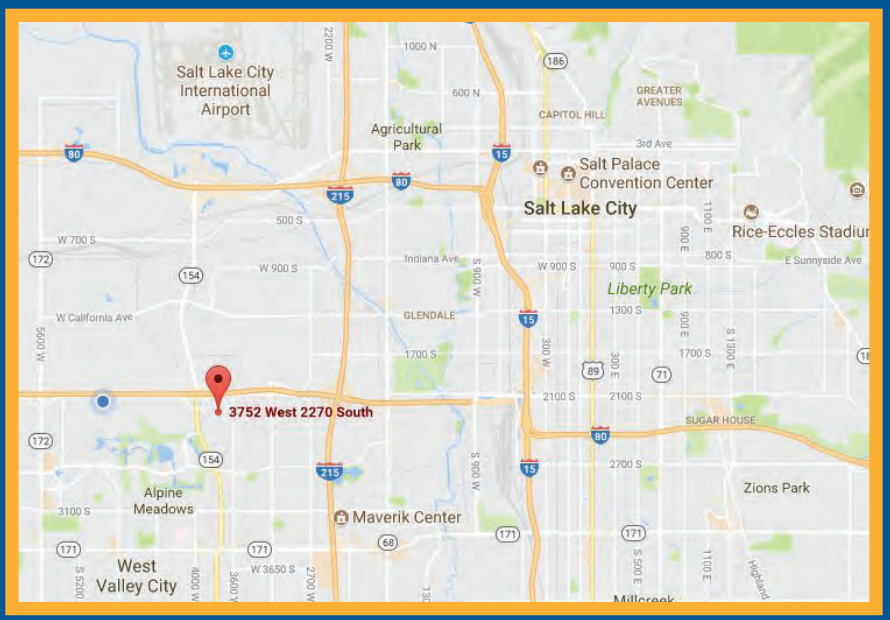

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