

Everything You Need For Efficient Surveying Campaigns

**Choose the Trimble Robot That Best Meets Your Needs
Choose either the S3/S6/S8 or VX Models based on your needs**

S3 Total Station

An accurate and reliable instrument, integrated robotic radio and popular Trimble TSC3 data collector (or fixed control unit for Servo and Autolock versions) with your choice of field software, integrated high capacity battery and dual charger and prism.

The Trimble TSC3® controller included in this solution, is one of the most trusted and reliable data controllers and works with your choice of Trimble Access, Trimble Survey Controller or Trimble Survey Manager.

Available in 2/5 second angle accuracy models, distance range up to 8200 ft. to a single prism, laser pointer and more!

S6 Total Station

Offering advanced MagDrive technology (as do S3/S8/VX models) for breathtaking speed. It takes the work out of conventional servo or robotic surveying. Upgradeable from Servo to Autolock to Robotic.

Capable of changing face at lightning speed the S6 will keep pace with your every need.

Performance features such as Trimble DR effectively doubles reflectorless range, Trimble SurePoint™ — the instrument automatically compensates for minor movements from wind, weather and sinkage, intelligent tracking systems including Trimble GPS Search, MultiTrack Target and Target ID eliminate lost time due to lost targets.

Available in 1,2,3,5 second angle accuracy models, distance range up to 8200 ft. to a single prism and more!

S8 Total Station

The S8 provides a broad base of standard inclusions and configuration options for unmatched flexibility.

With Trimble VISION™ you can see everything the instrument sees without a trip back to the instrument. Select targets with just a tap of the screen. Measurements are drawn to the video image so you can be certain to never miss a shot you need. Easily recall what was at the scene.

Especially designed for use with the Trimble S6/S8 and the latest Trimble GPS Systems

TSC3 offers a handheld factor and an integrated 2.4 GHz radio for robotic operation.



With the exceptional EDM range of Trimble DR Plus™ inside, you can extend your reach on the job for fewer setups and more measurements. Also, featuring Trimble FineLock™ technology which allows the instrument to detect targets without interference from surrounding prisms.

1 second angle accuracy and a distance range of up to 8200 ft. and more!

VX Spatial Station

Capture and combine scanning, imaging and surveying deliverables with the singular solution designed for surveyors. Integrating the technologies of advanced optical surveying, metric imaging and 3D scanning, the Trimble®VX™ Spatial Station is the only surveying instrument that does it all and does it with ease.

Trimble VISION™ gives you the power to see everything the instrument sees. Direct your work with live video images on the controller. Now you are free to capture measurements to a prism or reflectorless surface with a point and click.

With the ability to capture metric images with the Trimble VX in the field, you are also able to make additional measurements and attribute the data back in the office. Advanced 3D models and image rendered 3D surfaces are within your reach with the rich data delivered by Trimble Spatial Imaging sensors and the powerful workflows of Trimble RealWorks™ software.

For more information on the VX and other Spatial Imaging products from Trimble – such as the GX 3D Scanner please feel free to contact us at 1-800-833-9250 or your local branch office.

In selecting your Trimble Robot you have a number of accessories from which to build your system –

These accessories include:

- Prisms, reflectors and prism accessories
- Batteries, battery chargers, power supplies and power accessories
- Cables
- Tribrach and traverse accessories
- Transport and accessory cases
- Optical accessories – such as sunfilter, 90 degree eyepiece etc.
- Data Collector options – external TSC3, Tablet or CU controller with accessories for both.

Please speak to your local sales representative as to the accessories best suited to meet your needs to complete your Robotic Total Station setup.



Call for pricing and additional information on the Trimble S3/S6/S8/VX Robots



Ranger 3 Series Data Collector

The Ranger™ data collector features the Windows Mobile® 6.5 operating system, an ergonomic keypad and military grade durability. Wireless capabilities let you connect without cables. The Ranger 3 Series has an 800MHz processor with 256 MB of RAM and 8 GB of Flash. The Ranger comes standard with integrated Bluetooth, integrated WiFi (80211 b/g), integrated GPS (SBAS enabled) and integrated compass.

Ranger also offers USB Host and Client ports, a serial port and a Secure Digital (SDHC) slot. Grey color w/ Blue trim.

4 MODELS TO CHOOSE –

- **3L** – Features integrated Bluetooth, 80211g, mapping grade GPS and Compass
- **3XC** – Features integrated Bluetooth, 80211g, GPS, Compass, 5 MP Camera and WWAN
- **3RC** – Features integrated Bluetooth, 80211g, GPS, Compass, 5 MP Camera and 2.4GHz Radio
- **3XR** – Features integrated Bluetooth, 80211g, GPS, Compass, 5 MP Camera, WWAN and 2.4GHz Radio

SOFTWARE AVAILABLE ON RANGER 3 SERIES –

- Survey Standard
- Survey Pro
- Survey Pro Robotics
- Survey Pro GNSS
- Survey Pro Max
- Software is upgradeable from Standard all the way to Max.

All rangers come with international charger, USB interface cable, hand strap, package of 2 screen protectors, two stylus pens, re-chargeable Li-Ion battery, nylon carry case, stylus tether and Ranger getting started guide

12 Month Extended Warranties Available – up to a maximum of four.

Specifications subject to change from manufacturer.

For more information on specifications, models and pricing please feel free to contact us and we will be glad to answer your questions.



MODELS OVERVIEW	3XR	3RC	3XC	3L
PROCESSOR/SPEED Intel XScale	800 Mhz	800 Mhz	800 Mhz	800 Mhz
MEMORY SDRAM Data Storage (On-board Flash)	256 MB 8 G	256 MB 8 G	256 MB 8 G	256 MB 8 G
WIRELESS Integrated Bluetooth Wi-Fi (802.11b/g) 3G GSM WWAN 2.4 GHz robotic radio Module	Standard Standard Standard Standard	Standard Standard N/A Standard	Standard Standard Standard N/A	Standard Standard N/A N/A
FEATURES Compass Accelerometer 5MP Camera with LED flash Navigation grade GPS	Standard Standard Standard Standard	Standard Standard Standard Standard	Standard Standard Standard Standard	Standard Standard N/A Standard

Nomad® 900 Series Data Collector

The Nomad is extremely rugged, meeting rigorous MIL-STD810F and IP67 standards for dust and water. Features an 806MHz processor and includes 128MB of memory, a long life 5200 mAh lithium-ion battery, a daylight-readable full VGA display, integrated Bluetooth, a numeric keypad and an easily accessible SDIO port under the top cap. All units come standard with Windows Mobile® 6.1. Available only in grey color.

3 MODELS TO CHOOSE –

- **900B** – Features a CF slot, 512MB of Flash storage and all the above features
- **900LD** – Features 1GB of Flash storage plus integrated 801.11g and integrated mapping grade GPS.
Replaces the CF card slot in top of unit with a USB host port
- **900XC** – Features an integrated 5 Megapixel camera and WWAN (GSM/GPRS/EDGE quad band modem)

SOFTWARE AVAILABLE ON RANGER 3 SERIES –

- Survey Standard
- Survey Pro
- Survey Pro Robotics
- Survey Pro GNSS
- Survey Pro Max
- Software is upgradeable from Standard all the way to Max.



All Nomads come with an AC charger, USB data cable, hand strap, package of 2 screen protectors, stylus pen, rechargeable Li-Ion battery, nylon carry case, stylus lanyard and a CD-ROM

12 Month Extended Warranties available – up to a maximum of four

Specifications subject to change from manufacturer.

MODELS OVERVIEW	900XC	900LD	900B
PROCESSOR/SPEED Marvell PXA320 XScale	806 Mhz	806 Mhz	806 Mhz
MEMORY SDRAM Data Storage (On-board Flash)	128 MB 2 GB	128 MB 1 GB	128 MB 512 MB
FEATURES Integrated Card Slots Integrated Bluetooth Integrated GPS, Navigation Grade Integrated WiFi 802.11g Integrated WWAN Integrated Camera	SD Standard Standard Standard Standard Standard	SD Standard Standard Standard N/A N/A	SD/CF Standard N/A N/A N/A N/A



Trimble Data Collectors

Trimble TSC3® Controller

The TSC3 is an advanced handheld field computer offering the following software options –

- Trimble Access
- Trimble Survey Controller software
- Survey Pro
- SCS900 Site Controller software

Features on the TSC3 are Microsoft Windows Mobile 6.5, full alpha and numeric keypad, touch screen, Battery life up to 30 hours and complete recharge in 4.5 hrs., integrated speaker and microphone, rugged polycarbonate shell, MIL-STD-810F specs for dust and water, Bluetooth and More!

For more complete information on the TSC3 please contact us.

Standard accessories for the TSC3 include –

- AC charger
- Standard CF-Cap
- Screen Protectors
- Rechargeable Li-Ion PowerBoot
- USB Data cable
- User's guide
- Hand Strap
- Stylus



Trimble Tablet Rugged PC

Offers the toughness and portability of a field controller, plus the operating and power and larger interface of a laptop.

Features Microsoft® Windows Vista™ Business operating system, the Trimble Tablet can run a vast range of office and field applications. The Tablet has an environmental rating of IP67 and operates in extreme temperatures – 22 to 140 degrees F. It can also withstand a pole drop of 4 feet to a hard surface. Bluetooth, user-facing camera, expandable memory, integrated speaker and microphone, and More!

For more complete information on the tablet, such as configuration and accessories, please contact us and we will be glad to assist you.

Basic Tablet Accessories

	SALE
6973100 AC Power Supply.....	\$ 64.00
6973200 12V Vehicle Charger Kit.....	\$198.45
6973300 Standard Battery 2.6Ah Li-Ion.....	\$183.75
6973500 Stylus 1 per pkg.....	\$ 25.00
6973800 Screen Protectors Ultra Clear 2 per pkg...	\$ 29.00
6973900 Screen Protectors Anti Glare 2 per pkg...	\$ 36.00



Basic accessories for Data Collectors

Ranger 3/TSC3

6750101 Rechargeable Battery w/ Door	SALE \$125.00
6750103 International Power Supply Kit	SALE \$ 95.00
6750104 Stylus Pen Kit – 2 stylus/1 tether	SALE \$ 25.00
6750105 Hand Strap	SALE \$ 15.00
6750106 Ultra Clear Screen Protectors (15 per pack)	SALE \$ 18.00
6750108 Pole Bracket – Pole Clamp and DC Cradle	SALE \$155.00
6750111 Standard Nylon Carry Case (<i>may be blue or yellow</i>)	SALE \$ 30.00
519618 Tripod Hook Bracket	SALE \$ 24.95
6720100 Ranger/Nomad/Nivo USB Data Cable.....	SALE \$ 15.00

Nomad 900 Series (*Nomad accessories not shown*)

6720100 Nomad/Ranger/Nivo USB Data Cable	SALE \$ 15.00
6720101 Rechargeable Lithium-Ion Battery	SALE \$135.00
6720105 AA Battery Module	SALE \$115.00
6790109 AC Charger	SALE \$ 60.00
6790100 Stylus Pen Lanyard Only – color varies.....	SALE \$ 12.00
6790110 12V Vehicle Charger	SALE \$195.00
6720106 Stylus Pen.....	SALE \$ 28.00
6720107 Hand Strap	SALE \$ 12.00
6720108 Ultra Clear Screen Protectors (Pkg 2)	SALE \$ 10.00
6720114 Anti Glare Screen Protectors (Pkg 2).....	SALE \$ 10.00
519617 Tripod Hook Bracket	SALE \$ 24.95
6790101 Standard Nylon Carry Case (<i>may be blue or yellow</i>)	SALE \$ 24.00
5200059 Claw Series Cradle.....	SALE \$ 71.50
5200150 Plain Claw Series Pole Bracket.....	SALE \$ 62.90

For other accessories not shown please call for information.

Construction Positioning Systems

Trimble offers a portfolio of construction positioning solutions specifically designed to meet construction layout and measurement needs. Whether the projects are commercial or residential, these powerful tools let you take control so you can perform your layout tasks more efficiently.

**Nomad
LM80-80
Layout
Manager**



The RTS555/633/655 Robotic Total Stations are designed specifically for the construction market and offer easy, one-person operation for all your layout needs.

TS835/TS635/TS215 Series – Feature large graphical displays and alphanumeric keypads. On board programs let you quickly enter information for efficient equipment use.



These easy to use construction products offer outstanding features – fast, flexible, accurate and cost effective – and share many of the same benefits.

Products include –

- *Nomad LM80-80 Layout Manager*
- *RTS555/633/655 Robotic Total Stations*
- *TS835/TS635/TS215 Mechanical Total Stations*
- *LM80 Desktop Software*
- *Trimble Point Creator Pro Software: Simple, native CAD software*

These Trimble products allow you to do –

Layout of Control Points

Handle control points – on or offset to construction lines – faster and more cost effectively than using a third party.

Layout of Excavation Lines

Layout all lines from one reference location with no string lines, transits or theodolites. No need to set up over each control point, making systems much faster and easier to use.

Checking or Tying into Property Boundaries

Forget using tapes or a third party when tying into boundaries by using the LM80-80 to make minor adjustments to the building position as needed without waiting or paying large fees.

Layout of Concrete Forms and Anchor Bolts

Layout by tying into any two control points. The application software makes this process simple even for even novice users.

As-Built Checks

Check reference lines and dimensions faster, easier and more precisely. Direct reflex capabilities even allow one person operation on As-Built checks.

Layout of Control Lines on Concrete Pad for Subcontractor Use

Faster and more accurate than with tapes and optical products. Easy to work around obstructions and there's no need to set up on each line.

Light Topographical Measurements

For applications such as cut/fill. Increase your speed and cut costs by measuring in 3D.

Nomad LM80-80

Allows you to enter blueprint dimensions into LM80 to build a digital replica of your project and a portable reference of your project. Use with your total station making it ready for the building layout based on your blueprint. Will graphically guide you through your building layout.

LM80 Desktop Software

Is designed for the contractor using the pocket sized LM80 Layout Manager for their layout applications. Ideal companion for anyone with very large or complex drawings.

Trimble Point Creator Pro Software

As the construction industry continues to push the utilization of BIM practices for cost savings, overall efficiency and project data collaboration, Trimble Point Creator Pro fills the need of being able to create 2D and 3D points directly within a robust CAD environment – and then easily share with field layout software/controllers.

For your ability to work more independently with greater control of your projects choose the Trimble Construction Positioning System that best meets your needs. Please call for more information and a demo of these Trimble products.



60ALQR20

Quick Clamp Aluminum Tripods by **CST**

Features:

- Lightweight and durable aluminum hinge, clamp and shoe castings
- Hinges are attached with screws, not rivets
- Heavy-duty poly-webbing shoulder strap
- Electrostatically powder painted castings for a durable and long-lasting finish



For the discriminating user, CST's quick clamping tripods offer the best clamping system available: sure locking, quick action, easy to use. All feature adjustable clamping tension.

Aluminum

The price is Right! Our aluminum tripod has value written all over it. Only 9 lbs., this tripod is stronger and more rigid than comparable tripods. This aluminum tripod is available with a variety of thread sizes. Call for other thread sizes.

60ALQCI20 63" (160cm) open, 38" (97cm) closed, 5/8 x 11 thread, flat head **SALE \$ 72.50**

Quick Clamp Heavy Gauge Aluminum Tripods by CST

Lightweight, heavy gauge aluminum and the added stability of double banded legs put this extension leg tripod "head and shoulders" above other aluminum tripods. Outstanding features include positive locking clamps, powder painted wear-resistant metal parts and shoulder strap.

60ALQR20 65" (165cm) open, 42" (107cm) closed, 5/8x11 thread, flat head, 12 lb. **SALE \$114.95**



60WDF20

Quick Clamp Wood/Fiberglass Tripods by **CST**

An outstanding combination of hard maple legs with fiberglass dowels makes this the most versatile tripod on the market. CST's fiberglass dowels are unique due to their structural plastic polystyrene core, and will not shrink or swell under changing weather or temperature conditions. Features powder painted metal parts, double banded extension legs for extra stability, and shoulder strap.

60WDF20 72" (183cm) open, 42" (107cm) closed, 5/8x11 thread, flat head, 16 lb. **SALE \$154.95**

Heavy Duty, Extra Tall, Fiberglass Elevator Tripod

Use with lasers, scanners, machine control or other instruments.

Tripod has a fully extended leg height of 12.40 feet and a collapsed height of 5.97 feet. The legs and dowels are constructed of fiberglass for durability, strength and resistance to weathering. It features an adjustable center column that gives you 5.97 of lift. Detachable round head plate with a 5/8 x 11 stud gives instrument a sturdy platform. Lockable leg stabilizer struts, dual clamps, twist locks and quick clamps, along with dual metal and rubber leg points to create greater stability. Leg strap included. Weighs 33.1 lbs.

5321170RG Heavy Duty, Extra Tall, Fiberglass Elevator Tripod... **SALE \$329.50**



5321170RG

Tripod Hook Brackets for Data Collectors

SECO solutions to secure your Data Collector to a tripod. Include instructions and a tool to install.

519614



- 519614** For Ranger 300/500X, TSC2 **SALE \$18.95**
- 519615** For Recon **SALE \$16.95**
- 519617** For Nomad **SALE \$24.95**
- 519618** For TSC3/Ranger 3 **SALE \$24.95**

Tripod Accessories

SECO Tripod Stabilizer

Designed for use when working indoors or on concrete to provide extra stability. Made of heavy duty aluminum and measures 35" x 35" x 35". Collapses for compact storage

561000 Tripod Stabilizer. **SALE \$ 92.95**



Heavy Duty Prism Pole Bipod/Tripod Bag

The prism pole tripod hold a prism pole with either a tripod or bipod attached. The bag is 60 inches long/7.5 inch diameter and has a fold over flap and is made from sturdy nylon Cordura® with Rhinotek™ material for extra wear capability.

8180200RG Hvy Dty Prism Pole Tripod Bag **SALE \$ 47.95**



8180200RG

Heavy Duty Tripod Bag

This heavy duty bag holds all major brands of aluminum or wood/wood-fiber tripods. Made of heavy duty nylon Cordura® and has a Rhinotek™ bottom with pull strings at the top.

8150200RG Hvy Dty Instrument Tripod Bag. **SALE \$ 55.80**



8150200RG

SECO Tripod Adapters

- 212000** Adapts 3 1/2 x 8 tripod to 5/8 x 11 **SALE \$ 53.95**
- 213000** Adapts 5/8 x 11 tripod to 3 1/2 x 8 **SALE \$ 49.95**



212000



213000

Wood Fiberglass Tripod

These Wood/Fiberglass Tripods are built with quality hardwood and fiberglass materials. An excellent buy for a quality product. Extended length is 72", collapses to 43" flat head.

22217

Quick Clamp locking system
SALE \$121.00

BEST SELLER



High Performance Aluminum Tripods

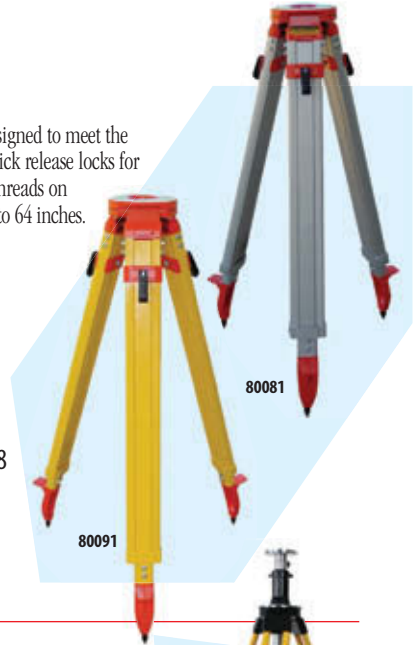
High Performance Aluminum tripods designed to meet the needs of the professionals. Adjustable, quick release locks for the telescoping legs. Flat head 5/8 X 11 threads on tripods. Collapse to 38 inches and extend to 64 inches.

80081

NAT81 Flat Head Alum.
Tripod 5/8 X 11 Heavy Duty
List \$120.00 **SALE \$ 83.50**

80091

NAT91 Flat Head Alum. Tripod 5/8 X 11 Heavy Duty (Powdered Coated Yellow for Max Visibility)
List \$129.00 **SALE \$ 87.50**



TRI-MAX® Composite Tripod

The revolutionary Tri-Max tripod, stands alone in meeting today's demanding stability requirements. Tests have confirmed that the Tri-Max, in many cases has proven to be many times more stable than conventional tripods and retains this stability without frequent adjustments. Made from ultra modern materials, an advanced fiberglass composite, the Tri-Max is built to last. Can handle equipment up to 65 lbs.

Features a large, round tripod head and large opening for plummeting purposes and MORE!

Weighs 17 lbs. and is 44" collapsed while extending to 71". Wide frame extension leg. For additional information on this product and other Crain products not listed please contact us at your convenience.

90550 Tri-Max Standard w/Quick Clamp lock system
SALE \$329.95

90553 Tri-Max Standard w/Dual lock system
SALE \$349.95



Tri-Max Fiberglass Elevator Tripod

Features sturdy fiberglass legs with dual locks – a quick lever style at the top and a twist lock on the bottom. Built in stabilizing struts connect the legs and aluminum center column to maintain the stability of the tripod. 5/8 x 11 mounting head is removable and adjustable in the azimuth direction. Includes a stout gear box which controls lift and descent – the column cannot fall freely.

Collapses to 4.92 ft. and extends to 11.54 ft. w/ center column at full height. Center column lifts about 3.6 ft. Weighs 29 lbs.

90556 Tri-Max Fiberglass Elevator Tripod
SALE \$647.95



SOKKIA Wide Frame Wood Tripod

A quality wood tripod made from all North American hardwood maple with metal hardware. Featuring self adjusting hinges, durable nylon bushings for smooth operation, tripod shoes with large spurs; hardened steel replaceable tips, bright yellow color and cut in carry handle.

Close to 45 3/4" and opens to 72".

Weight is 14.5 lbs. and is wing nut clamp style.

8751252 Wide frame wooden tripod...
SALE \$253.50



Aluminum Elevator Tripod

Accommodates 5/8 x 11 instruments and is ideal for mounting laser, levels and standard total stations. Extends to 91.2 inches and has quick clamp locks. Weighs 16.3 lbs. and has black hardware.

532116BLK
Aluminum Elevator Tripod
List \$195.95 **SALE \$149.50**



GT2000A Tripod

The GT2000A is Dutch Hills premier survey tripod. It features a wide frame extension leg design, fiberglass legs that don't shrink and swell in changes of moisture, mechanically fastened parts for easy replacement. **FIVE YEAR warranty.** Weight is 13 lbs. Legs collapse to 44" and extends to 70.5".

GT2000A Wide frame extension leg tripod...
SALE \$297.50



Heavy Duty Tripod Bag

This heavy duty bag holds all major brands of aluminum or wood/wood-fiber tripods. Made of heavy duty nylon Cordura® and has a Rhinotek™ bottom with pull strings at the top.

815020ORG Heavy Duty Instrument Tripod Bag... **SALE \$ 55.80**

