

INVITATION TO BID

Bid Invitation Number: 108-2012

Date of Issue: 07/31/2012

Sealed bids will be received in the office of the Division of Central Purchasing, 200 East Main Street, Lexington, Kentucky, until **2:00 PM**, prevailing local time on **08/13/2012**. Bids must be received by the above-mentioned date and time. Mailed bids should be sent to:

**Division of Central Purchasing
200 East Main Street, Room 338
Lexington, KY 40507, (859) 258-3320**

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.

All bids must have the company name and address, bid invitation number, and the commodity/service on the outside of the envelope.

Bids are to include all shipping costs to the point of delivery located at: 150 East Main St, Lexington, KY 40507


Bid Security Required: Yes No Performance Bond Required: Yes No
Cashier Check, Certified Check, Bid Bond (Personal checks and company checks will not be acceptable).

Commodity/Service
Three-Dimensional Laser Scanning System
See specifications

<p style="text-align: center;">Check One:</p> <p><input checked="" type="checkbox"/> Bid Specifications Met</p> <p><input type="checkbox"/> Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i></p>	<p style="text-align: center;">Proposed Delivery:</p> <p><u>30</u> days after acceptance of bid.</p>
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Procurement Card Usage
<p><input type="checkbox"/> Yes The Lexington-Fayette Urban County Government will be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards?</p> <p><input checked="" type="checkbox"/> No</p>

Submitted by: PRECISION SURVEY SUPPLY
Firm
2009 PORTERFIELD WAY STE # J
Address
UPLAND, CA. 91786
City, State & Zip

Bid must be signed:
(original signature)  GENERAL MANAGER
Signature of Authorized Company Representative - Title
SAM EL-SAID
Representative's Name (Typed or printed)
909-931-4040 909-931-4009
Area Code - Phone - Extension Fax #
SAM@PRECISIONSURVEYSUPPLY.COM
E-Mail Address

The Affidavit in this bid must be completed before your firm can be considered for award of this contract.

AFFIDAVIT

Comes the Affiant, _____, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is _____ and he/she is the individual submitting the bid or is the authorized representative of _____,

the entity submitting the bid (hereinafter referred to as "Bidder").

2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.

3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.

4. Bidder has authorized the Division of Central Purchasing to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.

5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.

6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."

7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.

Further, Affiant sayeth naught.

STATE OF _____

COUNTY OF _____

The foregoing instrument was subscribed, sworn to and acknowledged before me by _____ on this the _____ day of _____, 2012.

My Commission expires: _____

Please see attached Notary Certificate *8/11/12*

NOTARY PUBLIC, STATE AT LARGE

Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.

State of California

S.S.

County of San Bernardino

On AUG 9, 2012, before me, S. Filo, Notary Public, personally

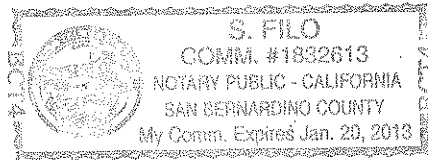
appeared SAM EI-SAID

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Handwritten Signature]
Signature of Notary Public



Description of Attached Document

Title or Type of Document INVITATION TO BID

Document Date: 8/9/12 Number of Pages 9 pgs.

I. GREEN PROCUREMENT

A. ENERGY

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to www.Energystar.gov). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Key Benefits

These products use 25 to 50% less energy
Reduced energy costs without compromising quality or performance
Reduced air pollution because fewer fossil fuels are burned
Significant return on investment
Extended product life and decreased maintenance

B. GREEN SEAL CERTIFIED PRODUCTS

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to www.Green Seal.org to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

C. GREEN COMMUNITY

The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?

Yes No

II. Bid Conditions

- A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.
- B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Central Purchasing may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Central Purchasing.
- C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.
- D. The bidder agrees that the Urban County Government reserves the right to reject any and all bids for either fiscal or technical reasons, and to award each part of the bid separately or all parts to one vendor.
- E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Central Purchasing. The Urban County Government may waive technicalities and informalities where such waiver would best serve the interests of the Urban County Government.
- F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.
- G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.
- H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.
- I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.
- J. All bids mailed must be marked on the face of the envelope:

"Bid on #108-2012 Three-Dimensional Laser Scanning System"

and addressed to: Division of Central Purchasing
 200 East Main Street, Room 338
 Lexington, Kentucky 40507

The Lexington-Fayette Urban County Government assumes no responsibility for bids that are not addressed and delivered as indicated above. Bids that are not delivered to the Division of Central Purchasing by the stated time and date will be rejected.

- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A certified check or Bid Bond in the amount of XX percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has

been awarded.

- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.
- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.
- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, creed, national origin, sex or age, and to promote equal employment through a positive, continuing program from itself and each of its sub-contracting agents. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- T. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The Act further provides:

KRS 45.610. Hiring minorities - Information required

- (1) For the length of the contract, each contractor shall hire minorities from other sources within the drawing area, should the union with which he has collective bargaining agreements be unwilling to supply sufficient minorities to satisfy the agreed upon goals and timetable.*

- (2) *Each contractor shall, for the length of the contract, furnish such information as required by KRS 45.560 to KRS 45.640 and by such rules, regulations and orders issued pursuant thereto and will permit access to all books and records pertaining to his employment practices and work sites by the contracting agency and the department for purposes of investigation to ascertain compliance with KRS 45.560 to 45.640 and such rules, regulations and orders issued pursuant thereto.*

KRS 45.620. Action against contractor - Hiring of minority contractor or subcontractor

- (1) *If any contractor is found by the department to have engaged in an unlawful practice under this chapter during the course of performing under a contract or subcontract covered under KRS 45.560 to 45.640, the department shall so certify to the contracting agency and such certification shall be binding upon the contracting agency unless it is reversed in the course of judicial review.*
- (2) *If the contractor is found to have committed an unlawful practice under KRS 45.560 to 45.640, the contracting agency may cancel or terminate the contract, conditioned upon a program for future compliance approved by the contracting agency and the department. The contracting agency may declare such a contractor ineligible to bid on further contracts with that agency until such time as the contractor complies in full with the requirements of KRS 45.560 to 45.640.*
- (3) *The equal employment provisions of KRS 45.560 to 45.640 may be met in part by a contractor by subcontracting to a minority contractor or subcontractor. For the provisions of KRS 45.560 to 45.640, a minority contractor or subcontractor shall mean a business that is owned and controlled by one or more persons disadvantaged by racial or ethnic circumstances.*

KRS 45.630 Termination of existing employee not required, when

Any provision of KRS 45.560 to 45.640 notwithstanding, no contractor shall be required to terminate an existing employee upon proof that that employee was employed prior to the date of the contract.

KRS 45.640 Minimum skills

Nothing in KRS 45.560 to 45.640 shall require a contractor to hire anyone who fails to demonstrate the minimum skills required to perform a particular job.

It is recommended that all of the provisions above quoted to be included as special conditions in each contract. In the case of a contract exceeding \$250,000, the contractor is required to furnish evidence that his work-force in Kentucky is representative of the available work-force in the area from which he draws employees, or to supply an Affirmative Action plan which will achieve such representation during the life of the contract.

- U. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

- (1) *Reveal any final determination of a violation by the contractor within the previous five year*

period pursuant to KRS Chapters 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and

- (2) *Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.*

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

- V. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Central Purchasing resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Central Purchasing shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Central Purchasing will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Central Purchasing or (2) submitting a written request for a meeting with the Director of Central Purchasing to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Central Purchasing shall in writing, affirm or withdraw the recommendation.

EQUAL OPPORTUNITY AGREEMENT

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Executive Order No. 11246 on Nondiscrimination under Federal contract prohibits employment discrimination by contractor and sub-contractor doing business with the Federal Government or recipients of Federal funds. This order was later amended by Executive Order No. 11375 to prohibit discrimination on the basis of sex.
- Section 503 of the Rehabilitation Act of 1973 states:

The Contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap.

- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.
- Section 206(A) of Executive Order 12086, Consolidation of Contract Compliance Functions for Equal Employment Opportunity, states:

The Secretary of Labor may investigate the employment practices of any Government contractor or sub-contractor to determine whether or not the contractual provisions specified in Section 202 of this order have been violated.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. It is the Government's intent to affirmatively provide employment opportunities for those individuals who have previously not been allowed to enter into the mainstream of society. Because of its importance to the local Government, this policy carries the full endorsement of the Mayor, Commissioners, Directors and all supervisory personnel. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which knowingly or unknowingly practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.

Bidders

I/We agree to comply with the Civil Rights Laws listed above that govern employment rights of minorities, women, Vietnam veterans, handicapped and aged persons.


Signature

PRECISION SURVEY SUPPLY
Name of Business

**RISK MANAGEMENT PROVISIONS
INSURANCE AND INDEMNIFICATION**

INDEMNIFICATION AND HOLD HARMLESS PROVISION

- (1) It is understood and agreed by the parties that Vendor hereby assumes the entire responsibility and liability for any and all damages to persons or property caused by or resulting from or arising out of any act or omission on the part of Vendor or its employees, agents, servants, owners, principals, licensees, assigns or subcontractors of any tier (hereinafter "Vendor") under or in connection with this agreement and/or the provision of goods or services and the performance or failure to perform any work required thereby.
- (2) Vendor shall indemnify, save, hold harmless and defend the Lexington-Fayette Urban County Government and its elected and appointed officials, employees, agents, volunteers, and successors in interest (hereinafter "LFUCG") from and against all liability, damages, and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, from or by Vendor's performance or breach of the agreement and/or the provision of goods or services provided that: (a) it is attributable to personal injury, bodily injury, sickness, or death, or to injury to or destruction of property (including the loss of use resulting therefrom), or to or from the negligent acts, errors or omissions or willful misconduct of the Vendor; and (b) not caused solely by the active negligence or willful misconduct of LFUCG.
- (3) In the event LFUCG is alleged to be liable based upon the above, Vendor shall defend such allegations and shall bear all costs, fees and expenses of such defense, including but not limited to, all reasonable attorneys' fees and expenses, court costs, and expert witness fees and expenses, using attorneys approved in writing by LFUCG, which approval shall not be unreasonably withheld.
- (4) These provisions shall in no way be limited by any financial responsibility or insurance requirements, and shall survive the termination of this agreement.

FINANCIAL RESPONSIBILITY

VENDOR understands and agrees that it shall, prior to final acceptance of its bid and the commencement of any work, demonstrate the ability to assure compliance with the above Indemnity provisions and these other risk management provisions.

INSURANCE REQUIREMENTS

YOUR ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW, AND YOU MAY NEED TO CONFER WITH YOUR INSURANCE AGENTS, BROKERS, OR CARRIERS TO DETERMINE IN ADVANCE OF SUBMISSION OF A RESPONSE THE AVAILABILITY OF THE INSURANCE COVERAGES AND ENDORSEMENTS REQUIRED HEREIN. IF YOU FAIL TO COMPLY WITH THE INSURANCE REQUIREMENTS BELOW, YOU MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

Required Insurance Coverage

Vendor shall procure and maintain for the duration of this contract the following or equivalent insurance policies at no less than the limits shown below and cause its subcontractors to maintain similar insurance with limits acceptable to LFUCG in order to protect LFUCG against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by Vendor. The cost of such insurance shall be included in any bid:

<u>Coverage</u>	<u>Limits</u>
General Liability (Insurance Services Office Form CG 00 01)	\$1 million per occurrence, \$2 million aggregate or \$2 million combined single limit
Commercial Automobile Liability (Insurance Services Office Form CA 0001)	combined single, \$1 million per occurrence
Worker's Compensation	Statutory
Employer's Liability	\$500,000.00

The policies above shall contain the following conditions:

- a. All Certificates of Insurance forms used by the insurance carrier shall be properly filed and approved by the Department of Insurance for the Commonwealth of Kentucky. LFUCG shall be named as an additional insured in the General Liability Policy and Commercial Automobile Liability Policy using the Kentucky DOI approved forms.
- b. The General Liability Policy shall be primary to any insurance or self-insurance retained by LFUCG.
- c. The General Liability Policy shall include a Products Liability endorsement unless deemed not to apply by LFUCG.
- d. LFUCG shall be provided at least 30 days advance written notice via certified mail, return receipt requested, in the event any of the required policies are canceled or non-renewed.
- e. Said coverage shall be written by insurers acceptable to LFUCG and shall be in a form acceptable to LFUCG. Insurance placed with insurers with a rating classification of no less than Excellent (A or A-) and a financial size category of no less than VIII, as defined by the most current Best's Key Rating Guide shall be deemed automatically acceptable.

Renewals

After insurance has been approved by LFUCG, evidence of renewal of an expiring policy must be submitted to LFUCG, and may be submitted on a manually signed renewal endorsement form. If the policy or carrier has changed, however, new evidence of coverage must be submitted in accordance with these Insurance Requirements.

Deductibles and Self-Insured Programs

IF YOU INTEND TO SUBMIT A SELF-INSURANCE PLAN IT MUST BE FORWARDED TO LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT, DIVISION OF RISK MANAGEMENT, 200 EAST MAIN STREET, LEXINGTON, KENTUCKY 40507 NO LATER THAN A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE RESPONSE DATE. Self-insurance programs, deductibles, and self-insured retentions in insurance policies are subject to separate approval by Lexington-Fayette Urban County Government's Division of Risk Management, upon review of

evidence of Vendor's financial capacity to respond to claims. Any such programs or retentions must provide LFUCG with at least the same protection from liability and defense of suits as would be afforded by first-dollar insurance coverage. If VENDOR satisfies any portion of the insurance requirements through deductibles, self-insurance programs, or self-insured retentions, VENDOR agrees to provide Lexington-Fayette Urban County Government, Division of Risk Management, the following data prior to the final acceptance of bid and the commencement of any work:

- a. Latest audited financial statement, including auditor's notes.
- b. Any records of any self-insured trust fund plan or policy and related accounting statements.
- c. Actuarial funding reports or retained losses.
- d. Risk Management Manual or a description of the self-insurance and risk management program.
- e. A claim loss run summary for the previous five (5) years.
- f. Self-Insured Associations will be considered.

Verification of Coverage

VENDOR agrees to furnish LFUCG with all applicable Certificates of Insurance signed by a person authorized by the insurer to bind coverage on its behalf prior to final award, and if requested, shall provide LFUCG copies of all insurance policies, including all endorsements.

Right to Review, Audit and Inspect

VENDOR understands and agrees that LFUCG may review, audit and inspect any and all of its records and operations to insure compliance with these Insurance Requirements.

DEFAULT

VENDOR understands and agrees that the failure to comply with any of these insurance, safety, or loss control provisions shall constitute default and that LFUCG may elect at its option any single remedy or penalty or any combination of remedies and penalties, as available, including but not limited to purchasing insurance and charging VENDOR for any such insurance premiums purchased, or suspending or terminating the work.

00354671

Lexington-Fayette Urban County Government
Division of Police
Three Dimensional Laser Scanning System

The Lexington-Fayette Urban County Government is accepting bids for the purchase of a Three Dimensional Laser Scanning System for the Division of Police, for the Forensic Service and Collision Reconstructive Units, located at 150 East Main Street, Lexington, Kentucky, 40507, as per the following specifications:

Requirements for Three-Dimensional Laser Scanning System

This document establishes the technical standards and specifications for the Three Dimensional laser scanning system and shall be incorporated by reference into any contract. No exceptions or deviations from these technical specifications will be considered acceptable.

1. System Configuration

At a minimum the system shall consist of the following:

(1) Long-range, high-accuracy laser scanner with tripod, tripod stabilizer, tribrach, cables, shipping case, cables, A/C adaptor, with a (1) year factory warranty.

- (4) Lithium-ion batteries with Pro-Charger (Single Charging Unit for all Four Batteries)
- (1) Year of 3D laser scanner service and maintenance for the scanner to include:
 - Access to Three Dimensional laser scanner technical support hotline
 - Scanner loaner capabilities during warranty period
 - Firmware and scanner control software updates
 - Scanner recalibrations
 - One preventive maintenance services performed as part of a recalibration or warranty service to include function check, cleaning, lubrication
- Scanner control software
- Point cloud alignment software
- Navigation, measurement & modeling software
- Web publishing software for streaming point cloud data over the internet
- (1) Year of software maintenance and support for all software modules
- (2) Set of scanner targets including:
 - (2) NIST traceable fixed height twin-target pole system with tripod, bag and NIST calibration certificate. Pole shall be marked with custom serial numbers.
 - (4) Target Bags
- (4) Days of on-site training in Lexington, Kentucky for up to twelve students. Training manuals included.

2. Hardware Performance

- | | |
|------------------------|---|
| Instrument Type | <ul style="list-style-type: none">• Time-of-flight, compact, pulsed, very-high speed laser scanner with maximum burst rate of up to 50,000 points per second• Real-time dual-axis compensation• Laser plummet |
| Laser | <ul style="list-style-type: none">• Visible Class 3R green laser |
| Compensator | <ul style="list-style-type: none">• Dual-axis compensator with 1.5" accuracy |
| Camera | <ul style="list-style-type: none">• Internal, auto-adjusting, integrated high-resolution digital camera with |

	streaming video and zoom capability
Control Options	<ul style="list-style-type: none"> • Onboard control via color touch screen, notebook or tablet PC • Wireless via PC, iPhone, iTouch, iPad or Droid
Data Storage	<ul style="list-style-type: none"> • Integrated hard drive or external PC • Data transfer via Ethernet or USB 2.0
Batteries and charging system	<ul style="list-style-type: none"> • Onboard, Lithium-Ion with two installed at a time option. Hot swappable. • Ability to charge four batteries in one session • Ability to connect direct to A/C power source for use • External 16.8 Ah option
Mounting	<ul style="list-style-type: none"> • Via standard surveying tripod, floor stand or without any kind of support on any flat surface
Environmental Protection	<ul style="list-style-type: none"> • Dust/Humidity rating of IP54 or better • Enclosed optics protecting mirror
Range	<ul style="list-style-type: none"> • 300 m @ 90% albedo; 134 m @ 18% albedo • Range must be unaffected by sunlight
Field-of-view	<ul style="list-style-type: none"> • 360° horizontal by 270° vertical
Single Point Measurement Accuracy	<ul style="list-style-type: none"> • Position: 6mm • Distance: 4mm
Aiming/Sighting	<ul style="list-style-type: none"> • Parallax-free, integrated zoom video

3. Software Performance

3.1 Scanner Control Software

- Point-and-scan feature to interactively set scanner field-of-view
- Automated acquisition of HDS targets
- Atmospheric correction
- Scanner command scripting
- Ability to control a phase-based or LIDAR scanner
- Field set-up for resection, known backsight and known azimuth
- Target and instrument height input
- Traverse and resection reports

3.2 Point Cloud Alignment Software

Target-based Registration

- Accurately geo-reference point cloud data to survey or control data coordinates
- Automatically constrain Control Space objects via labels or geometric matching

Cloud-based

- Standalone cloud-to-cloud registration without targets, indoors or outdoors
- Registration Diagnostics and reports
- Cloud Constraint Wizard

3.3 Navigation, Measurement, and Modeling Software

- 3D Limit Box Manager for spatial navigation
- Object Database Client/Server technology
- View points via elevation-based color mapping
- User-defined error tolerance
- Statistical QA reports

- Assign descriptor/feature codes to specific points and then export feature codes and point coordinates to ASCII
- Surface Topography Modeling
- Compliant with industry standard ASTM E57, E2807 Standard Specification for 3D Imaging Data Exchange, Version 1.0

3.4 Web Publishing Software

- 3D Limit Box Manager for spatial navigation
- Publishing
 - Sitemap as HTML with hot links to scanner locations, point cloud & image file sets
 - Panoramic point cloud & image file sets for viewing with free viewer
 - "Pack and go" capability for sharing data sets with others
- Measurement
 - Accurate X,Y,Z coordinate per pixel
 - Accurate point-to-point distance with full pan-zoom interaction
- Markup
 - Rectangle and Circle/Ellipse
 - Leader line with arrowhead
 - Text
 - Point-to-point dimension label
 - Coordinate location dimension label
 - Meta data
 - Markup created by "User name"
 - Able to "hot-link" to photos, documents or other media

4.0 Integration, Service, and Technical Support

- U.S. based technical support shall be available directly from the manufacturer
- Both the Three Dimensional laser scanner and the software comprising the system shall be manufactured and developed by the vendor. Systems comprised of 3rd party software products will not be considered acceptable.

5.0 On-Site Training

- Law enforcement-specific training manuals to be provided to students
- Trainer travel expenses to be included
- Only manufacturer direct and approved training shall be considered acceptable

6.0 Other requirements

- Upon request vendor must provide references from at least six other police agencies in the United States currently using the proposed system.

Pricing:


Description	Unit Price	Total Price
Three Dimensional Laser Scanning System (please attach details)	\$ 82,916.00	\$ 82,916.00
Software (please attach details)	\$ 16,796.00	\$ 16,796.00
Integration, Service & Technical Support (please attach details)	\$ 11,200.00	\$ 11,200.00
On-Site Training (please attach details) x4 DAYS	\$ 2,300	\$ 9,200.00
Accessories/Other (please attach list & details) x2	\$ 1,308.00	\$ 2,616.00
Accessories/Other (please attach list & details)	\$	\$
Accessories/Other (please attach list & details)	\$	\$
TOTAL:		\$ 122,728.00

For questions regarding these specifications, contact Lt. Jonathan Sherrod, Division of Police at 859-258-3600. For bidding questions, contact Theresa Maynard, Buyer, Division of Central Purchasing at 859-258-3320 or at theresam@lexingtonky.gov.

ITEMS INCLUDED MEET / EXCEED BID SPEC'S.

THE ATTACHED QUOTE FROM PRECISION SURVEY SUPPLY
ITEMIZED THE ITEMS / PART NUMBER'S INCLUDED IN
TOTAL PRICE.

* FREE SHIPPING COSTS.


SAM EL-SAID
8-9-12

Precision Survey Supply LLC

2009 Porterfield Way
 Suite J
 Upland, Ca. 91786

Phone # 909-931-4040 sales@precisionsurveysupply.com
 Fax # 909-931-4009 www.precisionsurveysupply.com

Quote

Date	Quote #
8/9/2012	21114

Name / Address
Lexington Police Dept Allen Dobson 150 E. Mains St Lexington, KY. 40507

Project

Item	Qty	Description	Unit Price	Total
6003155	1	Leica ScanStation C10 Laser Scanning System 1 x HDSC10, Leica ScanStation C10 scanhead (767742) 1 x GVP645, ScanStation C10 transport container (769625) 1 x GDF121, Tribrach, pale green, no plummet (667304) 4 x GEB241, Lithium-Ion battery (754834) 1 x GKL212, Basic charger (772785) 1 x AC/DC adapter for basic charger (772785) 1 x Daisy chain cable for basic charger (773059) 1 x Car-Adapter cable for basic charger (738242) 1 x GEV228, ScanStation C10 data cable (766567) 1 x GHM008, Scanner height meter (772829) 1 x GHT196, Distance holder for height meter (722045) 1 x HDS Window cleaning set (670268) 1 x CD-ROM Cyclone (755609) 1 x ScanStation C10 User Manual (774311) 1 x Cyclone SCAN license for Scan-Laptop (760954)	81,900.00	81,900.00T
670238	1	Tripod - heavy duty surveying tripod	420.00	420.00T
332200	1	Tripod-star GST4, for setting up tripods on hard and slippery surfaces.	156.00	156.00T
733271	1	GKL221, Charger PRO	440.00	440.00T

Free Shipping	Subtotal
	Sales Tax (0.0%)
	Total

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Quote

Date	Quote #
8/9/2012	21114

Name / Address
Lexington Police Dept Allen Dobson 150 E. Mains St Lexington, KY. 40507

Project

Item	Qty	Description	Unit Price	Total
760727	1	Cyclone - SURVEY software module Single node-locked license. Does not include CCP contract.	6,300.00	6,300.00T
760729	1	Cyclone - REGISTER software module Single node-locked license. Does not include CCP contract.	6,300.00	6,300.00T
757202	1	Cyclone - PUBLISHER Software Module Single Node Locked License Does not include CCP	4,196.00	4,196.00T

Free Shipping	Subtotal
	Sales Tax (0.0%)
	Total

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Quote

Date	Quote #
8/9/2012	21114

Name / Address
Lexington Police Dept Allen Dobson 150 E. Mains St Lexington, KY. 40507

Project

Item	Qty	Description	Unit Price	Total
6003232	1	CP Gold for ScanStation C10 (1 Year component with new hardware purchase) For a single ScanStation C10 new hardware purchase. Includes: - Backup Scanner, while the original scanner is maintained or repaired at a Leica Geosystems HDS service workshop. (Not valid for non-warranty repairs) --- Access to Leica HDS scanner support hotline; --- Firmware and Cyclone SCAN maintenance (updates of scanner firmware and Cyclone SCAN) --- One Re-Calibration; --- One preventive maintenance service performed as part of a re-calibration or warranty service: includes function check, cleaning, lubrication, and loading of latest firmware.	8,000.00	8,000.00T
6001220	1	CCP Basic for Cyclone SURVEY (1 years) - Technical Support: Access to software support hotline - Software maintenance: Includes all software updates	1,200.00	1,200.00T

Free Shipping	Subtotal
	Sales Tax (0.0%)
	Total

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Quote

Date	Quote #
8/9/2012	21114

Name / Address
Lexington Police Dept Allen Dobson 150 E. Mains St Lexington, KY. 40507

				Project
Item	Qty	Description	Unit Price	Total
6001225	1	CCP Basic for Cyclone REGISTER (1 year) - Technical Support: Access to software support hotline - Software maintenance: Includes all software updates	1,200.00	1,200.00
6001242	1	CCP Basic for Cyclone PUBLISHER (1 year) - Technical Support: Access to software support hotline - Software maintenance: Includes all software updates	800.00	800.00
6000177	2	2 Fixed Height "Twin-Target" Pole Systems with Target tripods 2 complete Fixed Height "Twin-Target" Pole Systems, each system consists of: - Two 3"x3" targets, 5/8" threaded, with bag - System pole, with bag NIST CERT. Individual Serial Numbers	1,308.00	2,616.00
Free Shipping			Subtotal	
			Sales Tax (0.0%)	
			Total	

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Project

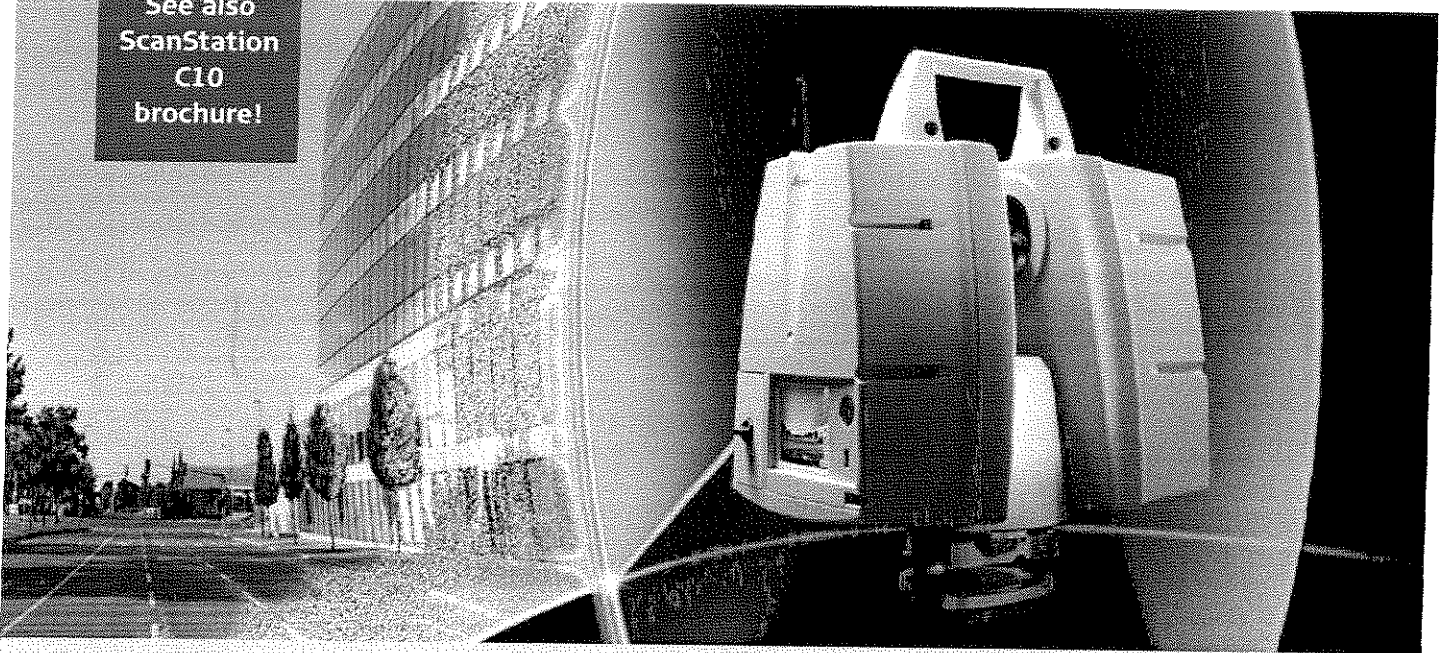
Item	Qty	Description	Unit Price	Total
5300122	4	On-Site Forensic Training Accepted By: Signature: 4 days total at customer site. Forensic training manuals provided to attendees. Maximum class size of 8. Equipment, computers and facilities provided by customer. Travel and expenses of the trainer included.	2,300.00	9,200.00T

Free Shipping	Subtotal	\$122,728.00
	Sales Tax (0.0%)	\$0.00
	Total	\$122,728.00

Leica ScanStation C10

The All-in-One Laser Scanner for Any Application

See also
ScanStation
C10
brochure!



New platform represents the most capabilities and best value packed into a single instrument

Leica ScanStation C10: new standard for pulsed scanners

The industry's most popular class of laser scanner – ScanStation – is now in a compact, all-in-one ScanStation C10 platform: scanner, battery, controller, data storage, and video camera. In addition, ScanStation C10 also features major advances in productivity, versatility, and ease-of-use for as-built and topographic High-Definition Surveying™ (HDS™).

All-in-one scanner capabilities for higher value

ScanStation C10 gives users the advantage of high-accuracy, long range scanning plus the advantage of fast, full-dome interior scanning – all in one instrument. The key is the new Smart X-Mirror™ design that automatically spins or oscillates

the mirror for optimum productivity. Smart X-Mirror also automatically aligns the embedded, high-resolution video camera with the laser for fast targeting and fast, accurate texture mapping of scans.

Full field-of-view + traverse + high accuracy + excellent range = Versatility

ScanStation C10 includes the hallmark versatility features that have made the ScanStation class so popular. These capabilities let users take advantage of scanning for more applications and more sites, while minimizing field labor.

Easy to learn

ScanStation C10 includes surveyor-friendly, total station-like onboard graphic control, including the ability to view target scans in 3D. Users can also take advantage of laptop control for more comprehensive scan viewing.

- when it has to be right

Leica
Geosystems

Leica ScanStation C10

Product Specifications

General	
Instrument type	Compact, pulsed, dual-axis compensated, very high speed laser scanner, with survey-grade accuracy, range, and field-of-view; integrated camera and laser plummet
User interface	Onboard control, notebook, tablet PC or remote controller
Data storage	Integrated solid-state drive (SSD), external PC or external USB device
Camera	Auto-adjusting, integrated high-resolution digital camera with zoom video

System Performance	
Accuracy of single measurement	
Position*	6 mm
Distance*	4 mm
Angle (horizontal/vertical)	60 µrad / 60 µrad (12" / 12")
Modeled surface precision**/noise	2 mm
Target acquisition***	2 mm std. deviation
Dual-axis compensator	Selectable on/off, resolution 1", dynamic range +/- 5, accuracy 1.5"

Laser Scanning System	
Type	Pulsed, proprietary microchip
Color	Green, wavelength = 532 nm
Laser Class	3R (IEC 60825-1)
Range	300 m @ 90%; 134 m @ 18% albedo (minimum range 0.1 m)
Scan rate	Up to 50,000 points/sec., maximum instantaneous rate
Scan resolution	
Spot size	From 0 - 50 m: 4.5 mm (FWHM-based); 7 mm (Gaussian-based)
Point spacing	Fully selectable horizontal and vertical; < 1 mm minimum spacing, through full range; single point dwell capacity
Field-of-View	
Horizontal	360° (maximum)
Vertical	270° (maximum)
Aiming/Sighting	Parallax-free, integrated zoom video
Scanning Optics	Vertically rotating mirror on horizontally rotating base; Smart X-Mirror™ automatically spins or oscillates for minimum scan time
Data storage capacity	80 GB onboard solid-state drive (SSD) or external USB device
Communications	Dynamic Internet Protocol (IP) Address, Ethernet or wireless LAN (WLAN) with external adapter
Integrated color digital camera with zoom video	Single 17° x 17° image: 1920 x 1920 pixels (4 megapixels) Full 360° x 270° dome, 260 images; streaming video with zoom, auto-adjusts to ambient lighting
Onboard display	Touchscreen control with stylus, full color graphic display, QVGA (320 x 240 pixels)
Level indicator	External bubble, electronic bubble in onboard control and Cyclone software
Data transfer	Ethernet, WLAN or USB 2.0 device
Laser plummet	Laser class: 2 (IEC 60825-1) Centering accuracy: 1.5 mm @ 1.5 m Laser dot diameter: 2.5 mm @ 1.5 m Selectable ON/OFF

Electrical	
Power supply	15 V DC, 90 - 260 V AC
Power Consumption	< 50 W avg.
Battery Type	Internal: Li-Ion; External: Li-Ion
Power Ports	Internal: 2; External: 1 (simultaneous use, hot swappable)
Duration	Internal: >3.5 h (2 batteries); External: >6 h (room temp)

Environmental	
Operating temp.	0° C to 40° C / 32° F to 104° F
Storage temp.	-25° C to +65° C / -13° F to 149° F
Lighting	Fully operational between bright sunlight and complete darkness
Humidity	Non-condensing
Dust/humidity	IP54 (IEC 60529)

Physical	
Scanner	
Dimensions (D x W x H)	238 mm x 358 mm x 395 mm / 9.4" x 14.1" x 15.6"
Weight	13 kg / 28.7 lbs, nominal (w/o batteries)
Battery (internal)	
Dimensions (D x W x H)	40 mm x 72 mm x 77 mm / 1.6" x 2.8" x 3.0"
Weight	0.4 kg / 0.9 lbs
Battery (external)	
Dimensions (D x W x H)	95 mm x 248 mm x 60 mm / 3.7" x 9.8" x 2.4"
Weight	1.9 kg / 4.2 lbs
AC Power Supply	
Dimensions (D x W x H)	85 mm x 170 mm x 41 mm / 3.4" x 6.7" x 1.6"
Weight	0.9 kg / 1.9 lbs

Standard Accessories (included)	
Scanner transport case	
Tribrach (Leica Professional Series)	
4x Internal batteries	
Battery charger/AC power cable, Car adapter, Daisy chain cable	
Data cable	
Height meter and distance holder for height meter	
Cleaning kit	
Cyclone™ SCAN software	
3-year CCP Basic support agreement	

Optional Accessories	
HDS scan targets and target accessories	
Service agreement for Leica ScanStation C10	
Extended warranty for Leica ScanStation C10	
External battery with charging station, AC power supply and power cable	
Professional charger for internal batteries	
AC power supply for scanner	
Tripod, tripod star, rolling base, external wireless LAN adapter (third-party)	

Notebook PC for scanning with Cyclone software	
Component	required (minimum)
Processor	1.7 GHz Pentium M or higher
RAM	1 GB (2 GB for Windows Vista)
Network card	Ethernet
Display	SVGA or OpenGL accelerated graphics card (with latest drivers)
Operating system	Windows XP Professional (SP2 or higher) (32 or 64) Windows Vista (32 or 64), Windows 7 (32 or 64)

Control Options	
Full color touch screen for onboard scan control	
Leica Cyclone SCAN software for laptop PC (see Leica Cyclone SCAN data sheet for full list of features)	
Remote controller (Leica CS10/15 or any other remote desktop capable device)	

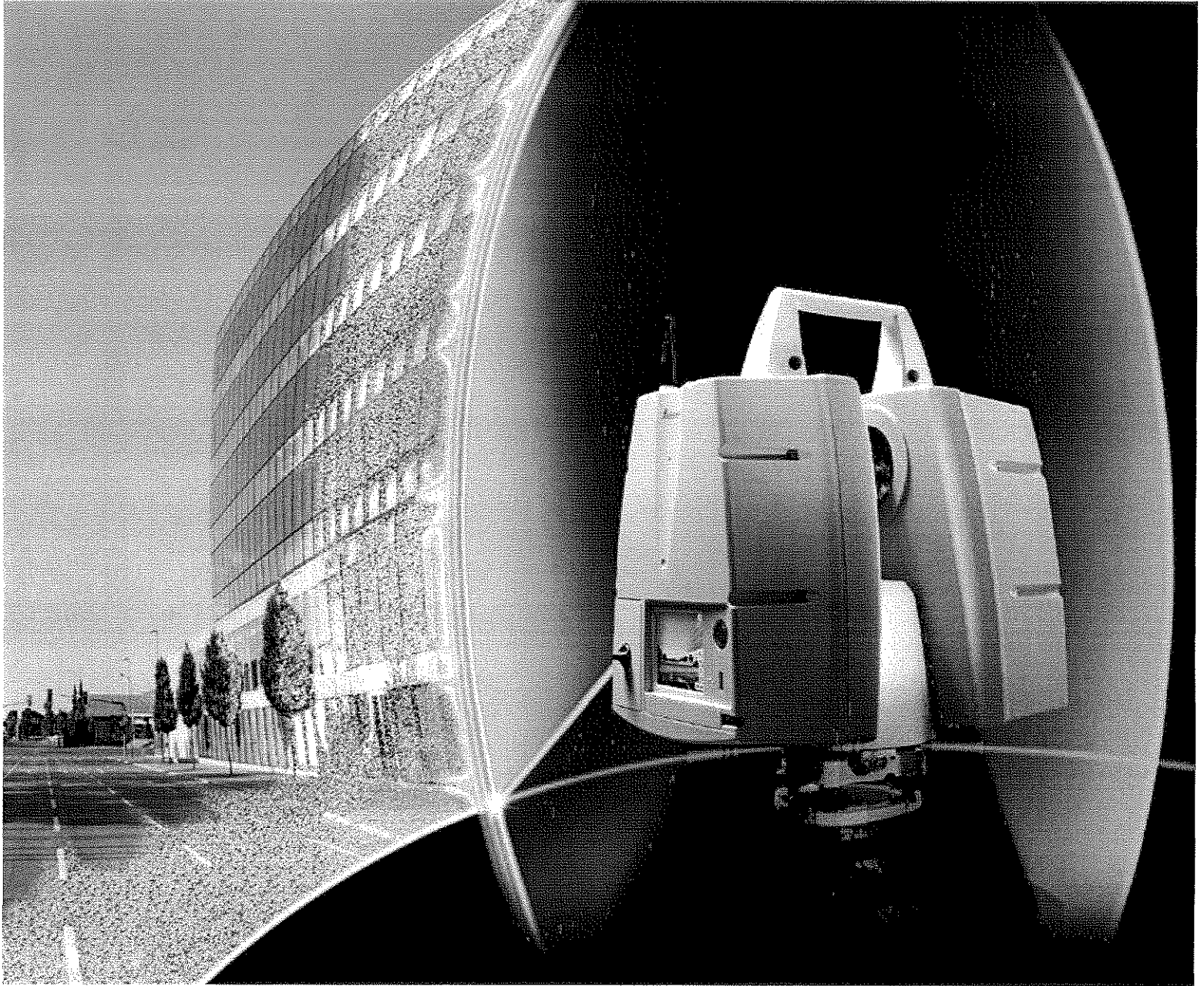
Ordering Information	
Contact Leica Geosystems or authorized representatives	

All specifications are subject to change without notice.
 All ± accuracy specifications are one sigma unless otherwise noted.
 * At 1 m - 50 m range, one sigma
 ** Subject to modeling methodology for modeled surface
 *** Algorithmic fit to planar HDS targets
 Δ Minimum requirements for modeling operations are different. Refer to Cyclone data sheet specifications
 Scanner: Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1
 Laser plummet: Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1
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BROCHURE

Leica ScanStation C10

The All-in-One Laser Scanner
for Any Application



- when it has to be right

Leica
Geosystems

Leica ScanStation C10

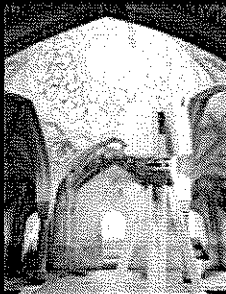
Versatility, Productivity, Value

Many organizations interested in laser scanning – to diversify and/or improve current business – have been waiting for a scanner with greater versatility, a lower cost of ownership, and even higher productivity for as-built and topographic surveys. Your wait is over.

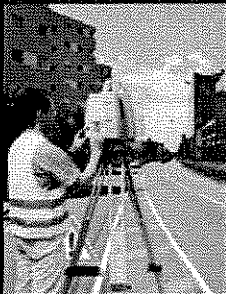
The "All-in-One" ScanStation C10 delivers a faster payback for your investment in High-Definition Surveying™ (HDS™) at many levels:

- All critical components in one, portable survey instrument: full field-of-view, high-speed, high-accuracy, long range scanner; rich, graphic controller; powerful camera/video; data storage; hot-swap battery; tilt compensator, and more.
- All-in-One versatility in applications and sites where scanning is profitable.
- One-stop-shopping via the industry's leading vendor: the most comprehensive scanning software, scanner selection, and customer support.

No one has packed more laser scanning capability and value into a single unit.



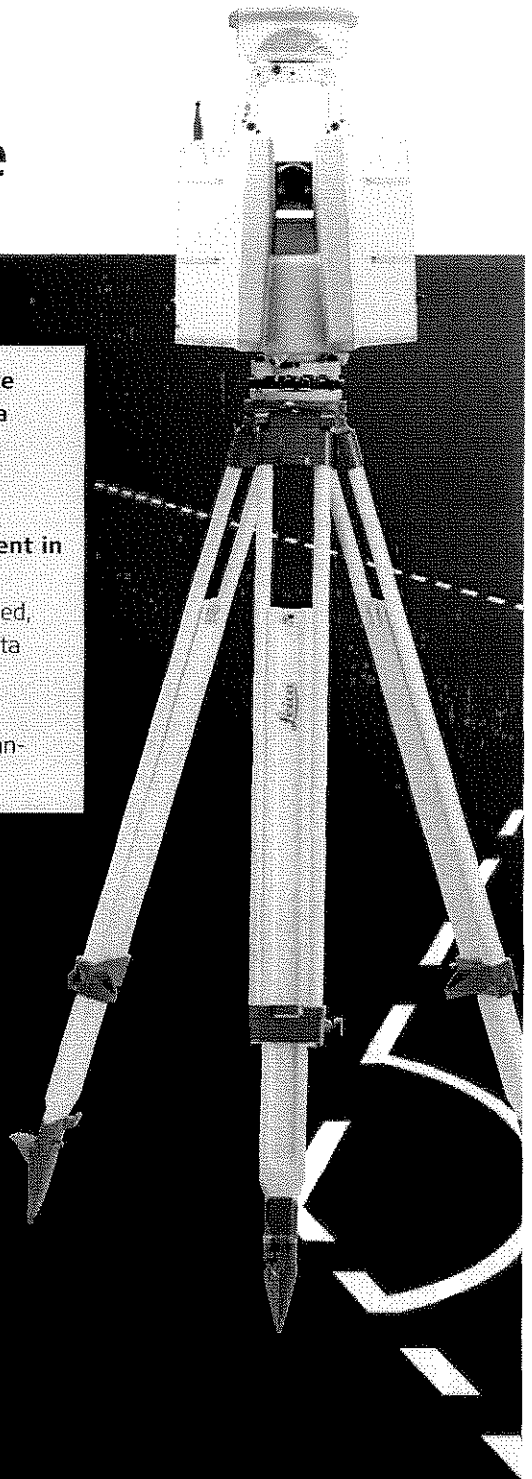
- Compact, full dome, accurate, excellent range - take advantage of scanning on more sites for more applications
- Use targets, traverse, resection or free-station registration and "geo-referencing" methods as site logistics dictate
- Even faster scanning makes HDS cost effective for more projects: exteriors and interiors, short and long range
- Onboard or PC control
- GPS and prism options



- Up to 10x faster full dome scans: now, just minutes
- Several times faster area scans
- Move, setup and tear-down faster
- Locate targets easier and faster
- Register and geo-reference faster
- Check scan results in the field easier
- Up to 90% field labor savings vs traditional methods

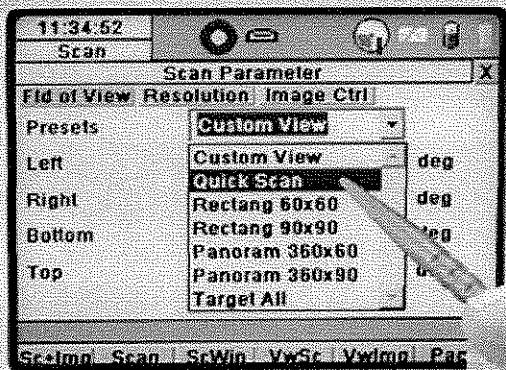


- Reduced ownership cost
- Platform designed for incremental upgradeability
- Easy-to-learn, total station-like interface
- Cable-less, with reduced accessory and maintenance costs
- Reduced site re-visits





Leica ScanStation C10 All-in-One

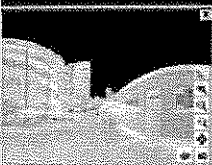


Familiar, Total Station-like Interface

Leica ScanStation C10 supports standard field workflows with a rich, familiar total station interface. Easy to learn touch screen operation.



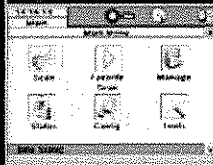
Integrated real-time streaming video with zoom
Fast, accurate selection of scene and targets to be scanned



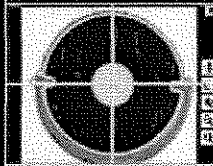
Onboard controller and color, graphic display
Convenient control and on-site QA, including onboard review of scans



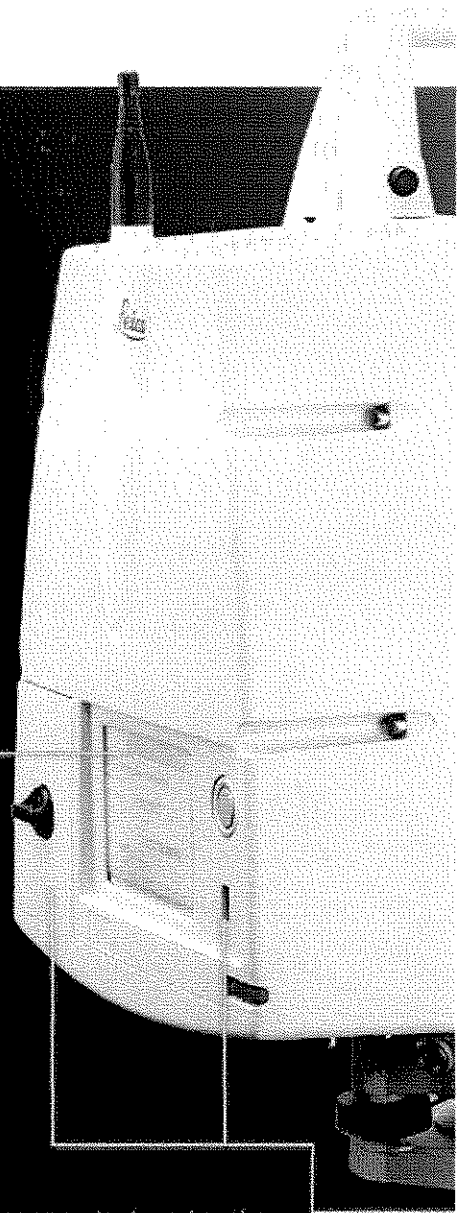
High-resolution digital image display
Auto-adjusting, internal, high resolution digital camera for "photo-realistic" color mapping of point clouds

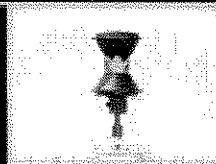
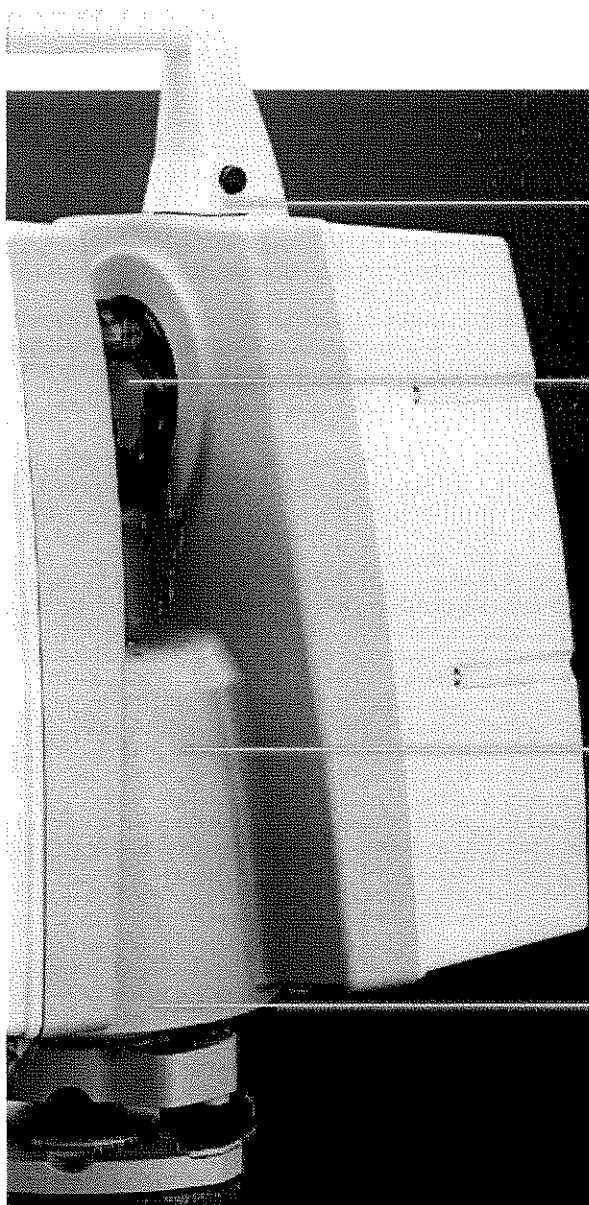


Graphical icons make learning the instrument easy
Leica firmware makes onboard management fast and efficient for instrument setup, operation and monitoring with rigorous field QA

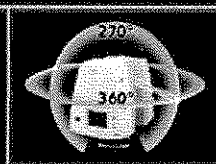


3D viewing of target scans
Helps ensure Leica Geosystems-quality registration and geo-referencing





Attach handles with Leica GPS SmartAntenna or prism holder, or use without handle for unobstructed overhead scans



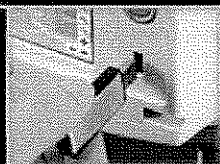
The mirror automatically spins for fast 360° and full dome scans and oscillates for efficient, targeted scans



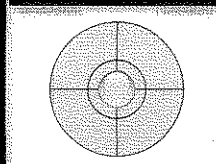
Reduces field time while providing excellent range and survey-grade accuracy for each point



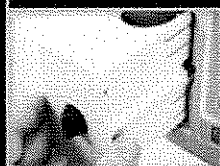
Transfers onboard control screen to handheld controller for safe distance, remote control



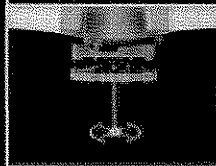
Integrated data storage
Avoids the need for a laptop or separate handheld device; easy data transfer via USB or Ethernet interface



For convenient survey-grade traversing and resection, plus tighter registration



Integrated battery
Hot-swappable, standard total station battery



Standard procedures make ScanStation C10 easy to use

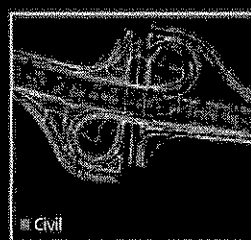
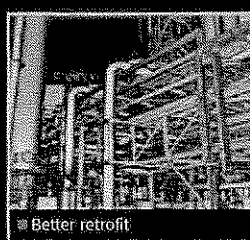
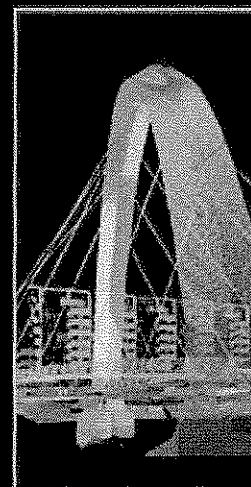
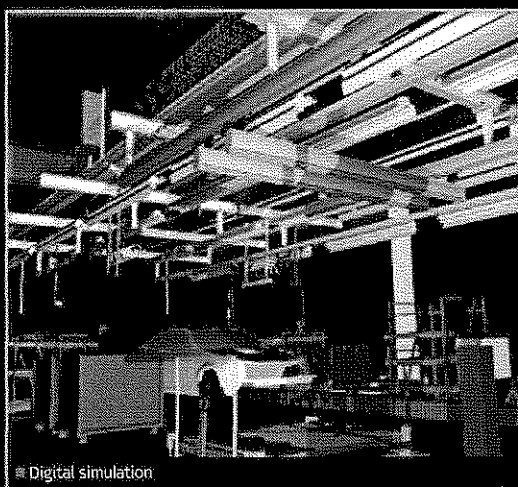
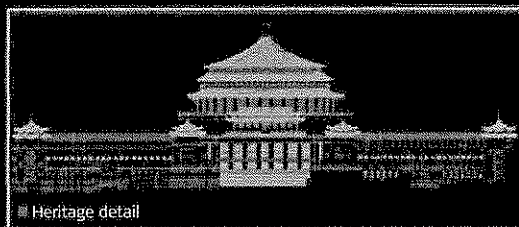
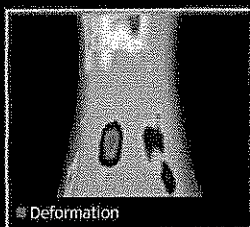
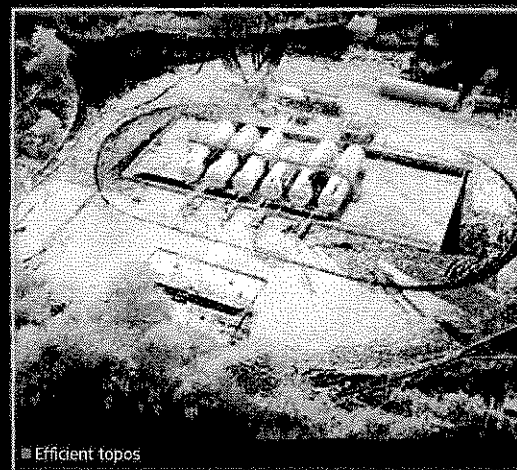
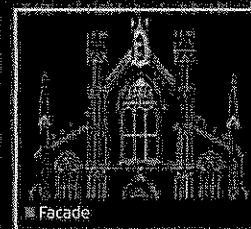
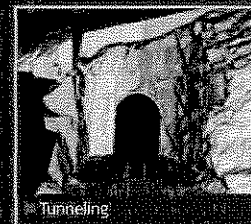
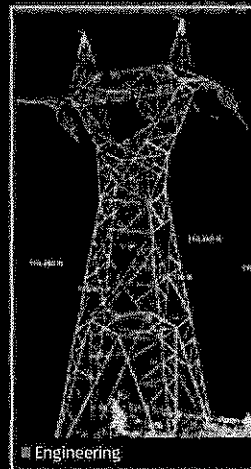
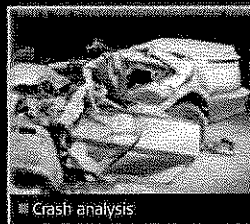
Leica ScanStation C10

One Scanner for Any Application

Reap all of the benefits of High-Definition Surveying

Benefits

- Lower cost
 - Faster
 - More accurate & complete
 - Safer
 - Less intrusive
 - More informative
-
- Design & engineering
 - Construction & fabrication QA
 - Asset management & archive
 - Forensics & security planning
 - Marketing proposals
 - Research & education

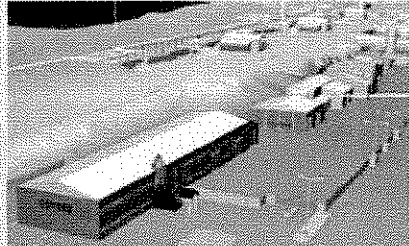


Leica Geosystems The All-in-One Vendor

Organizations that do not need more than just surveying software, fielding and data point collection, need

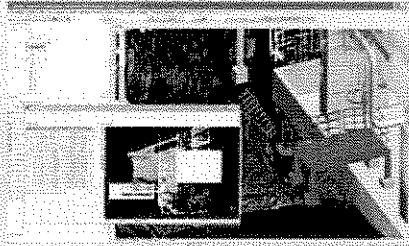
needs in High-Definition Surveying, no orga

Software: Comprehensive, Powerful, Versatile



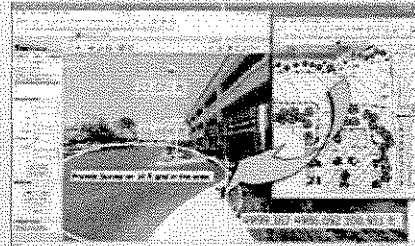
Leica Cyclone & Cyclone II

This comprehensive, industry-standard suite includes powerful, stand alone modules for scanning, registration & geo-referencing, viewing, modeling & data management, and creating a wide range of deliverables & QA reports.



Leica CloudWorx

This popular suite of affordable CAD plug-ins makes it easy to learn and work efficiently with rich scan data directly in leading CAD applications for civil/survey, architectural, and plant projects.



More Software

Leica Geosystems also offers specialized scanning software solutions to meet the full range of user needs. These include free, web-based view/measure/markup software (Leica TruView); forensic mapping; mining; and efficient 3D meshing.

Worldclass Training and Support

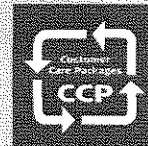
From on-site and factory-based classroom and field training to a global network of experienced HDS support specialists, no organization can help you succeed in High-Definition Surveying better than Leica Geosystems.

Moreover, Leica Geosystems actively cultivates a HDS user community network that supports itself - through idea exchange, training, backup hardware and backup staff.

The user network includes a world-wide HDS user group conference and many local HDS user group meetings, where Leica Geosystems staff and experienced users share their latest insights.

Active Customer Care

Working with the best maintained equipment and most up-to-date firmware and software ensures the best results for your business. That's what Leica Geosystems Customer Care Packages (CCP) offer. They protect your initial investment and keep your tools up-to-date for additional gains.





Whether you're designing a modification to a complex refinery piping system, surveying a site or documenting a historic building, you need reliable measurements. High-Definition Surveying scanning systems and software by Leica Geosystems provide you with exact data of what's there. When your as-built information has to be right, rely on Leica Geosystems.

Leica Geosystems is best known for its pioneering scanning technology and trustworthy, total solutions: versatile, accurate laser scanners, industry standard point cloud software, and a full complement of accessories, training and support.

Precision, quality and service from Leica Geosystems.

When it has to be right.

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Total Quality Management – our commitment to total customer satisfaction.

Ask your local Leica Geosystems dealer for more information about our TQM program.

Laser plummet:
Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1

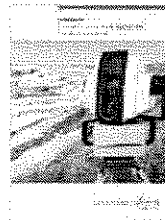
Scanner:
Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1



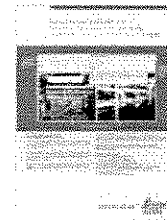
Leica ScanStation C5
Product information and specifications



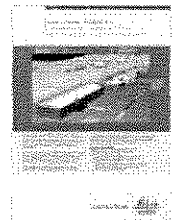
HDS7000
Product information and specifications



HDS8800
Product information and specifications



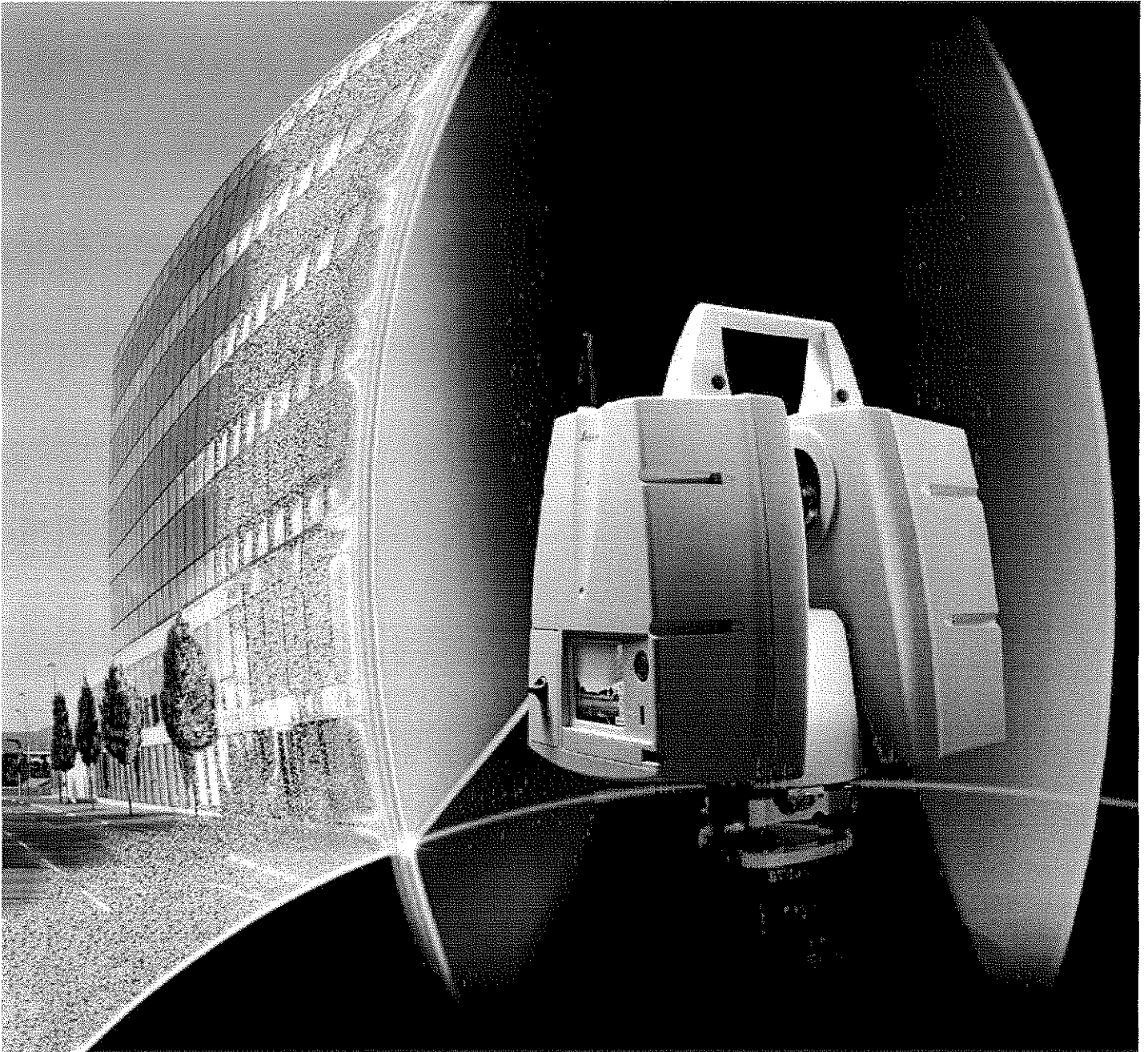
Leica Cyclone REGISTER
Product information



Leica Cyclone MODEL
Product information

Leica ScanStation C10

The All-in-One Laser Scanner
for Any Application



- when it has to be right

Leica
Geosystems

Leica ScanStation C10 Versatility, Productivity, Value

Many organizations interested in laser scanning – to diversify and/or improve current business – have been waiting for a scanner with greater versatility, a lower cost of ownership, and even higher productivity for as-built and topographic surveys. Your wait is over.

The "All-in-One" ScanStation C10 delivers a faster payback for your investment in High-Definition Surveying™ (HDS™) at many levels:

- All critical components in one, portable survey instrument: full field-of-view, high-speed, high-accuracy, long range scanner; rich, graphic controller; powerful camera/video; data storage; hot-swap battery; tilt compensator; and more.
- All-in-One versatility in applications and sites where scanning is profitable.
- One-stop-shopping via the industry's leading supplier; the most comprehensive scanning software, scanner selection, and customer support.

Next Generation of the Most Popular Laser Scanner

No one has packed more laser scanning capability and value into a single unit.

Unprecedented Versatility

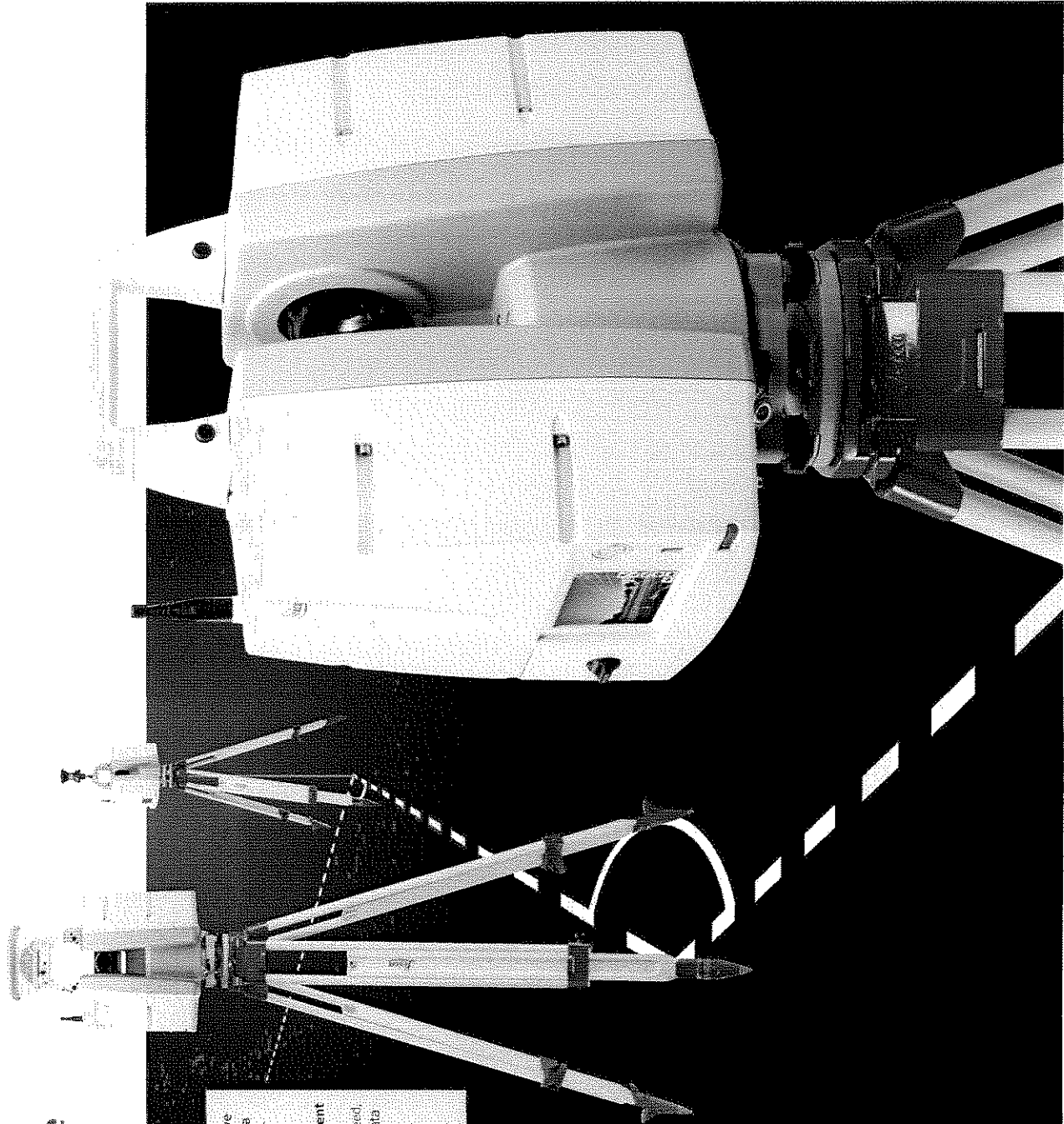
- Compact, full dome, accurate, excellent range - take advantage of scanning on more sites for more applications
- Use targets, traverse, resection or free-station registration and geo-referencing methods as site logistics dictate.
- Even faster scanning makes HDS cost effective for more projects; exteriors and interiors, short and long range.
- Onboard or PC control
- GPS and prism options

Major Productivity Advances

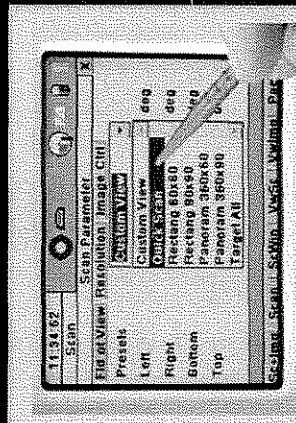
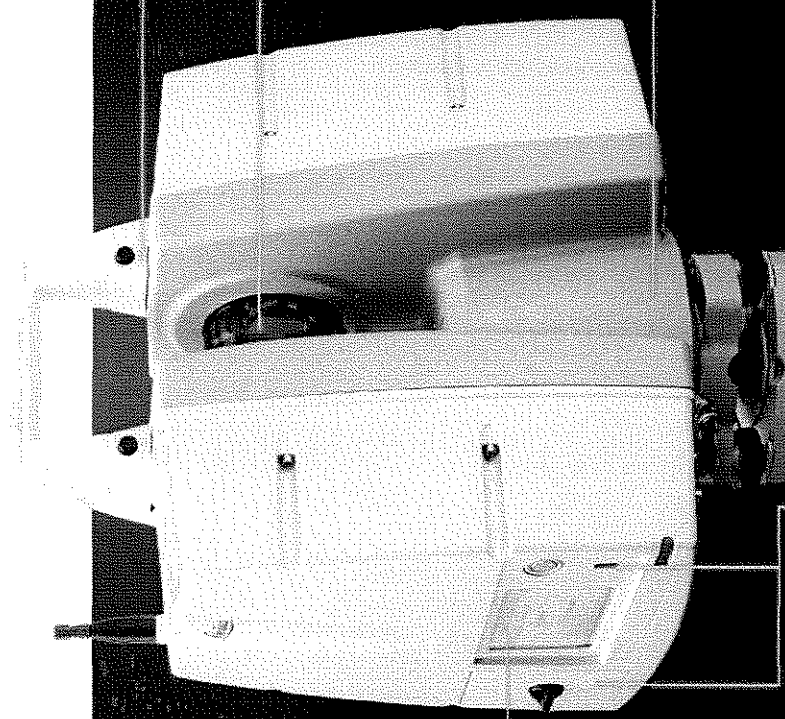
- Up to 10x faster full dome scans; now, just minutes.
- Several times faster area scans:
- Move, setup and tear-down faster
- Locate targets easier, and faster
- Register and geo-reference faster
- Easier to check scan results in the field
- Up to 90% field labour savings vs traditional methods

Walkability Case Savings

- Reduced ownership cost
- Platform designed for incremental upgradeability.
- Easy-to-learn, total station-like interface
- Cable-less, with reduced accessory and maintenance costs
- Reduced site-re-visits



Leica ScanStation C10 All-in-One



Familiar, Total Station-like Interface
Leica ScanStation C10 supports standard field workflows with a rich, familiar total station interface. Easy to learn, total screen operation.

Integrated, real-time streaming with zoom.
Fast, accurate selection of scene and targets to be scanned

Onboard, colorbar and colour, graphic display
Convenient control and on-site QA, including onboard review of scans

High resolution digital camera for photo-realistic colour mapping of point clouds

Graphical icons make learning the instrument easy
Leica firmware makes onboard management fast and efficient for instrument setup, operation and monitoring, with rigorous field QA

3D viewing of target scans
Helps ensure Leica Geosystems-quality registration and geo-referencing

Integrated data storage
Avoids the need for laptop or separate handheld device; easy data transfer via USB or Ethernet interface

Integrated battery
Hot-swappable, standard total station battery

Compatible with standard surveying equipment
Attach handles with Leica GPS SmartAntenna or prism holder, or use without handle, for unobstructed overhead scans

Smart 360° mirror design
The mirror automatically spins for fast 360° and full dome scans and oscillates for efficient, targeted scans

Very high speed
Active pulse laser for relative pulse laser. Reduces field time while providing excellent range and survey grade accuracy for each point

Auto-generated, detailed level compensation
For convenient survey-grade traversing and resection, plus tighter registration

Level compensation
Standard procedures make ScanStation C10 easy to use

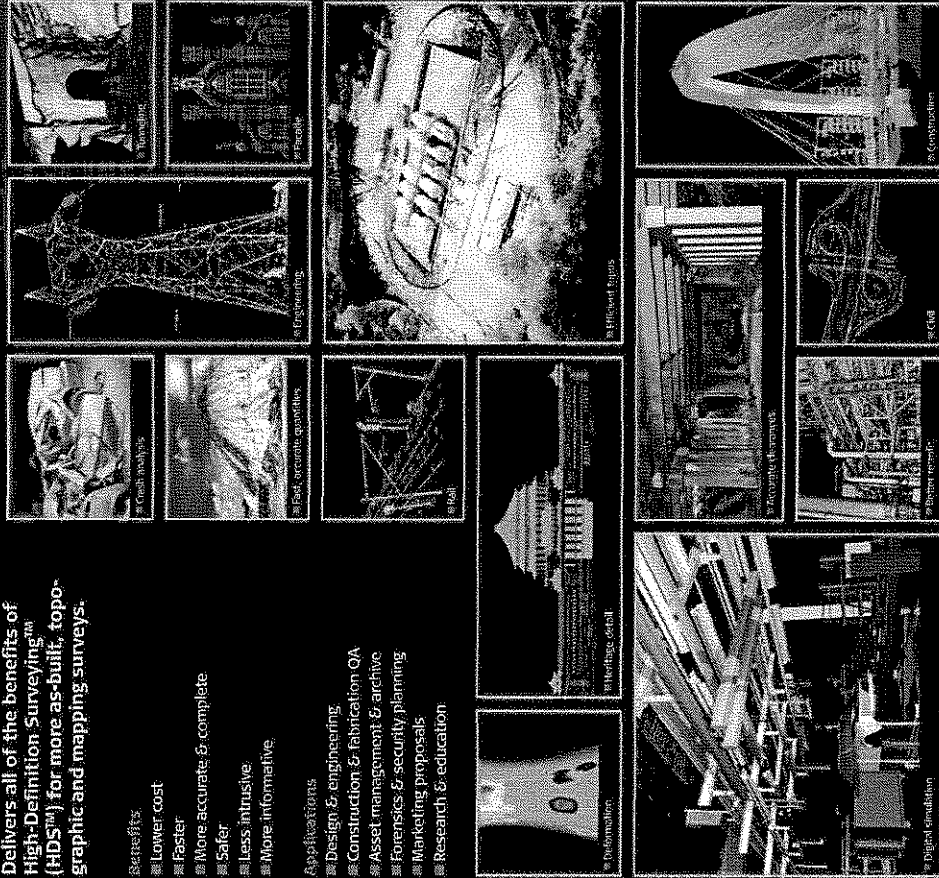
Leica ScanStation C10 One Scanner for Any Application

Delivers all of the benefits of High-Definition Surveying™ (HDS™) for more as-built, topographic and mapping surveys.

- Benefits:
 - Lower cost
 - Faster
 - More accurate & complete
 - Safer
 - Less intrusive
 - More informative

Applications

- Design & engineering
- Construction & fabrication QA
- Asset management & archive
- Forensics & security planning
- Marketing proposals
- Research & education



Leica Geosystems The All-in-One Supplier

Organizations that enter into laser scanning your complete needs in High-Definition Surveying, no organization measures up to need more than just hardware. You also need software, training and support, and Leica Geosystems – the acknowledged industry leader. at some point you may even want more than one type of laser scanner. For meeting

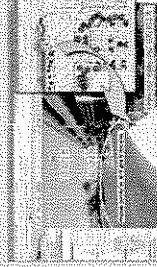
Software: Comprehensive, Powerful, Versatile



Leica Cyclone & Cyclone II
This comprehensive, industry-standard suite includes powerful, stand-alone modules for scanning, registration & geo-referencing, viewing, modeling & data management, and creating a wide range of deliverables & QA reports.



Leica CloudWork
The popular suite of affordable CAD plug-ins makes it easy to learn and work efficiently with rich scan data directly in leading CAD applications for civil survey, architectural and plant projects.



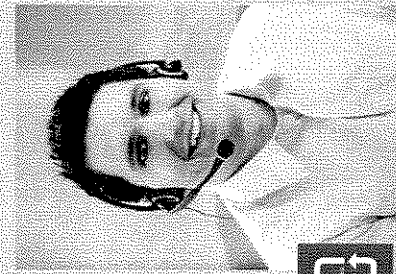
More Software
Leica Geosystems also offers specialized scanning software solutions to meet the full range of user needs. These include free web-based visualization and markup software (Leica TriView), forensic mapping, and efficient 3D meshing.

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Moreover, Leica Geosystems actively cultivates an HDS user community network that supports each other – through idea exchange training, backup hardware and backup staff.

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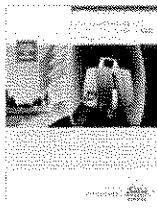


Total Quality Management - our commitment to total customer satisfaction.

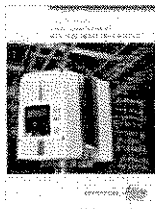
Ask your local Leica Geosystems dealer for more information about our TQM program.

Laser plummet:
Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1

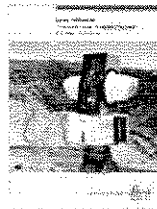
Scanner:
Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1



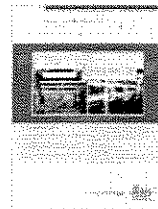
Leica ScanStation C10
Data sheet and specifications



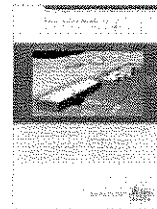
Leica HDS6100
Ultra-high speed Laser Scanner



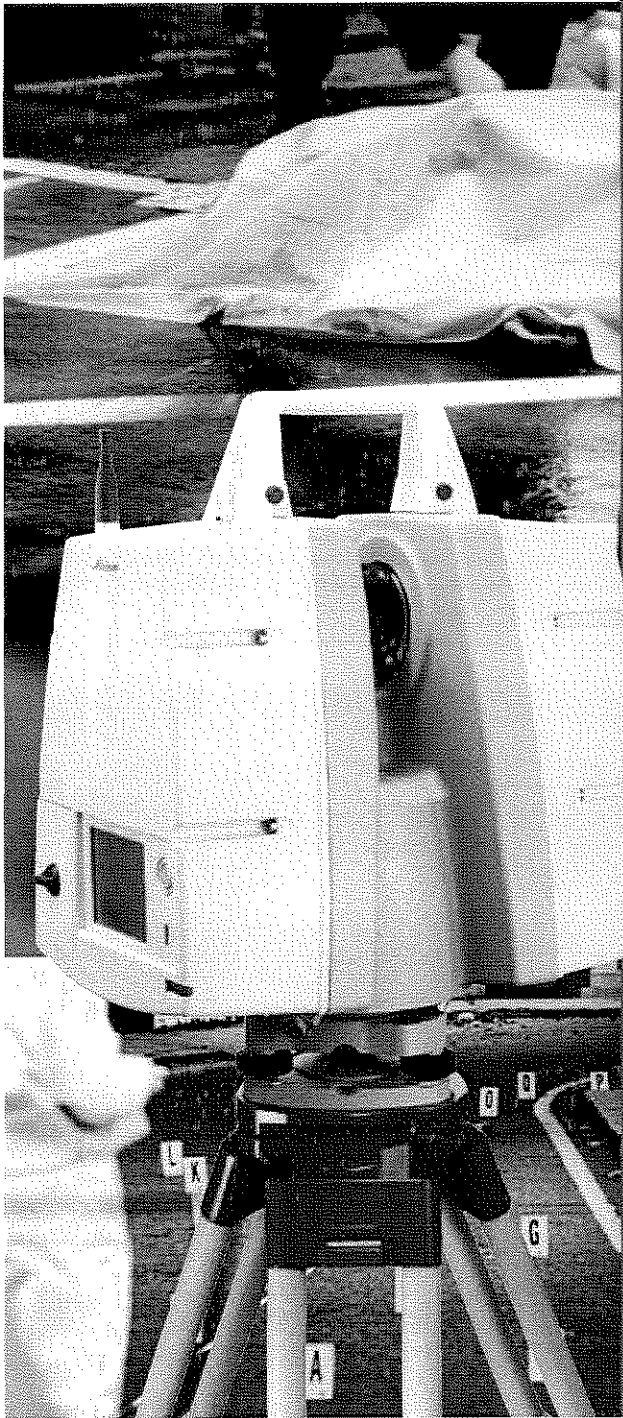
Leica HDS4400
Long range mine scanning system



Leica Cyclone REGISTER
Software information



Leica Cyclone MODEL
Software information



The new Leica ScanStation C10 Powerful 3D Laser Scanning for Forensics and Homeland Security

"This is one of the most useful forensic advances for processing crime scenes since the creation of photography. It allows an investigator to capture a scene totally and completely; everything is preserved from the moment the scanner is deployed."

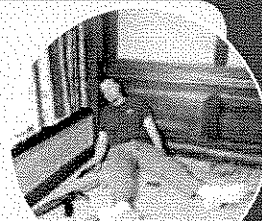
Chief Michael Berkow
Savannah-Chatham Metropolitan Police Dept.

Applications:

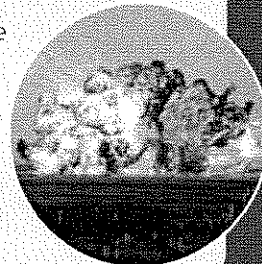
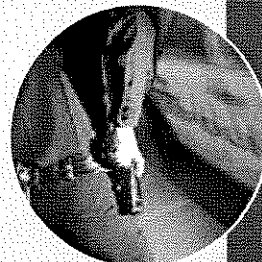
- Crime Scene Investigation
- Vulnerability & Threat Assessment
- Officer Involved Shootings
- Accident Investigations
- Shooting Reconstruction
- Post-blast Investigation
- Fire Scene Reconstruction

Benefits Include:

- Preserve the scene in 3D exactly the way it was discovered
- Generate multiple high-value 3D products within minutes
- Virtually revisit and measure the scene any time in the future using free viewing software
- Enable prosecutors to place the jury into the crime scene
- Easily understand what a witness could have seen from where
- Works day or night, long range, eye safe. Defeats "The CSI Effect"



3D Scan Data



Hear what U.S. law enforcement is saying about the Leica ScanStation at www.leica-geosystems.us/forensic

The ScanStation C10 from Leica Geosystems is a versatile 3D laser scanning solution which rapidly photographs then measures everything at a scene, not just what may be considered important at the time. Ideal for complex environments and with a 100% acceptance record in U.S. courts, ScanStation C10 is a cure for the CSI Effect.

For more information, contact Tony Grissim at 831-643-2972 or tony@lgshds.com.

3D Laser Scanning by Leica Geosystems
is featured weekly on A&E's

CRIME 360

- when it has to be right

Leica
Geosystems

Frequently Asked Questions about the Leica Geosystems ScanStation C10

What is it?

The Leica ScanStation C10 is the latest and most advanced version of Leica's industry leading 3D laser scanners. It is both a panoramic camera and a 3D laser scanner combined into one unit.

What does it do?

The ScanStation C10 quickly digitizes a scene in 3D forever using both panoramic photography and 3D laser scanning which is the process of making millions of highly accurate measurements in just a few minutes. The result is a visually stunning and accurate 3D representation of the scene in 3D from which any measurement can be made, even long after the scene has been released. It can be used for pre-event planning or post-event forensic analysis.

Is the ScanStation what they use on the show "Crime 360"?

Yes, but they have been using the Leica ScanStation 2 because the ScanStation C10 has just been introduced.

What can I do with ScanStation data?

You can do a lot with it and you can do it very quickly. Data from the ScanStation C10 can be used to generate up to seven high-value 3D rapid response products within minutes after completion of the field scanning. These products include witness viewpoints, any desired measurement, shooter positions (if ballistic rods have been properly placed and laser scanned), 3D snapshots and more. With Leica TruView it only takes five minutes to generate a web compatible panoramic virtual reality for showing at briefings or sharing with prosecutors and other investigators in remote locations. You can use TruView to reference your digital photographs as well. TruView is free and can be downloaded and used by anyone.

Can the scan data be imported into the software that I currently use?

Yes. Almost all third party scene diagramming software is compatible with data from the ScanStation C10.

Has data from Leica laser scanners been accepted in U.S. courts of law?

Yes, many times in both criminal and civil cases. Most recently, TruView was used to educate a jury about the scene of the crime in a homicide trial in Georgia. See the press release on our forensic web site for the very interesting details.

Why is the data so compelling to a jury?

It's because Leica ScanStation data is not someone's reconstructed interpretation of the scene. It is the scene. Being able to virtually revisit the scene frozen in time exactly as the first responder found it provides public safety officials (and jurors with high expectations due to the "CSI Effect") with a powerful way to visualize and place them into the scene.

What makes the Leica ScanStation C10 different from any other laser scanner?

The ScanStation C10:

- Operates in bright sunshine or total darkness out to a distance of up to 300 meters .
- Requires no cables because of an easy-to-use touch screen and internal Lithium-Ion batteries. No separate computer is required and field operation is amazingly simple.
- Automatically maps true color onto the scan data using its internal high-resolution digital camera.
- Is eye-safe for both the user and the public. No need to clear personnel from the scene before using.
- Allows for creation of compelling 3D products within minutes instead of after weeks of data processing.
- Is environmentally protected against dust and moisture
- Can operate like a total station if desired because of dual-axis compensation. No separate surveying is required.
- A complete system of hardware, software, training and technical support from the world leader in 3D laser scanning, Leica Geosystems.

Can the scanner be used for homeland security applications?

Yes. Law enforcement agencies around the United States regularly purchase Leica Geosystems' ScanStation technology for homeland security applications including vulnerability and threat assessment and post-blast investigation.

How can I get more information?

Contact Tony Grissim at 831-643-2972 or tony@lgshds.com



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
08/09/2012

PRODUCER State Farm Insurance, Dick Nelson 9516 19th Street Alta Loma, CA 91737 (909) 989-1828 Buss (909) 989-0415 Fax	THIS CERTIFICATION IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
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INSURED Precision Survey Supply LLC 1749 W 13th St Upland, Ca 91786	INSURER A: State Farm Mutual Automobile Insurance Company 25178	25178
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

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	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
	EXCESS / UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below OTHER	92-CC-R471-5	03/02/2012	03/02/2013	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

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