

Leica ScanStation C5

Scalable Laser Scanner



- when it has to be **right**

Leica
Geosystems

Leica ScanStation C5

Scalable from the Start

Companies entering into laser scanning are often faced with inflexible and complex situations and would like a scalable and expandable system to grow with their business. The new Leica ScanStation C5 is the first laser scanner in the market to offer a platform based concept to expand with your demands.

The Leica ScanStation C5 is equipped with all of the features to get your laser scanning business started and with options to upgrade whenever needed:

- Flexible license system to upgrade speed, range, camera and dual-axis compensator modules from entry-level to high-end.
- All critical components in one, portable instrument: full field-of-view, high accuracy, graphic touchscreen, powerful video camera, onboard data storage, hot-swappable batteries and many more.
- Combine with Leica Geosystems point cloud software, other scanners, training and support for a perfect workflow.



RANGE Option

Range extension from 35m to 300m increases fields of application and reduces the number of setups in a project.



SPEED Option

Boost the scan rate from 25.000 pts/sec to 50.000 pts/sec and optimize your productivity by reducing field time.



Next Generation of the Most Popular ScanStation Laser Scanner Family



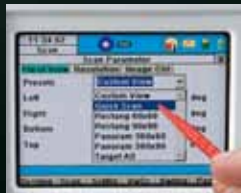
Unprecedented Versatility

- Use targets, traverse, resection or free-station registration and "geo-referencing" methods for complete flexibility
- Or use pre-defined scan settings to start scans by one touch operation quickly and efficiently



Major Benefits

- Easily measure to any surface in any condition
- Use for all exterior and interior projects
- Tailor-made solution with scalable upgrade concept



Valuable Cost Savings

- Future safe investment through incremental upgradeability
- Best value for money
- Intuitive, easy-to-use onboard software



CAMERA Option

Enable the integrated streaming video camera to take high-resolution color images for photo-realistic point cloud texture mapping.



COMPENSATOR Option

Add online dual-axis compensation to your scan process for automatic level correction and convenient field setup features.

Leica ScanStation C5

Designed to Meet your Specific Needs



Familiar, Total Station-like Interface

Leica ScanStation C5 supports standard field workflows with a rich, familiar total station interface. Easy-to-learn touch screen operation.



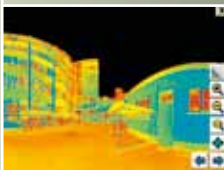
Graphical icons make learning the instrument easy

Integrated firmware makes onboard management fast and efficient for instrument setup, operation and monitoring with rigorous field QA



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



3D viewing of target scans

Helps ensure Leica Geosystems high quality registration and geo-referencing



Wireless Remote Access

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





Compatibility with standard surveying equipment

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



Smart X-Mirror™ design

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



Very-high speed, low noise pulsed laser

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



Laser plummet and tribrach mount

Standard procedures make ScanStation C5 easy-to-use



Integrated data storage

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



Integrated battery

Hot-swappable, standard total station battery



Camera Option

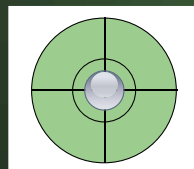


High-resolution digital image display

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



Compensator Option



Integrated, dual-axis level compensator

For convenient survey-grade traversing and resection, plus more accurate registration

Leica ScanStation C5

Start Small and Expand

Reap all of the benefits of a laser scanning system that fits to your specific applications.

Applications

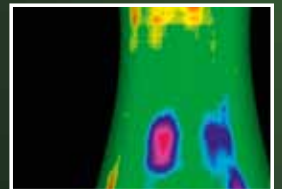
- Design & engineering
- Construction & fabrication QA
- Asset management & archive
- Forensics & security planning



■ Crash analysis



■ Rail



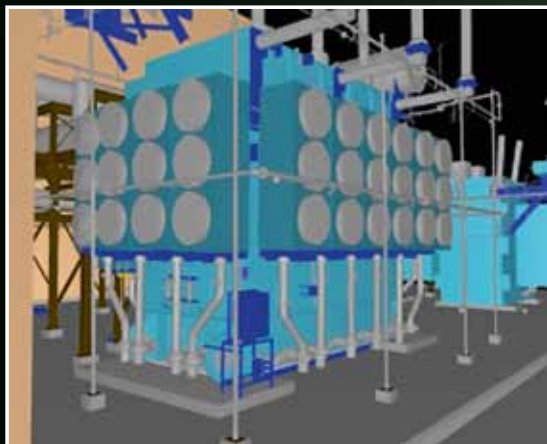
■ Deformation



■ Accurate clearances



■ Facade



■ Digital simulation



■ Facade



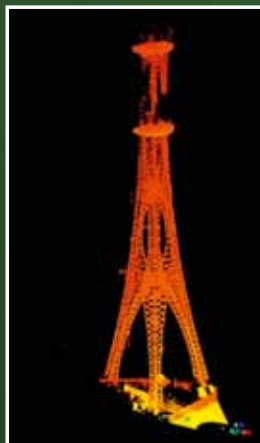
■ Tunneling



Range Option



■ Efficient topos



■ Engineering



■ Heritage detail



■ Civil



■ Fast, accurate quantities

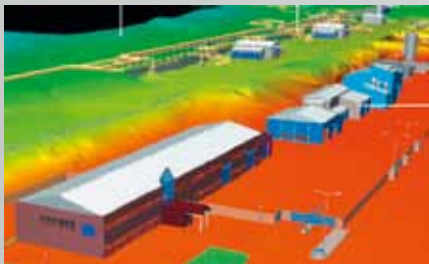
Leica Geosystems

Complete Solutions from One Vendor

Organizations that enter into laser scanning need more than just hardware. You also need software, training and support, and at some point you may even want more than one type

of laser scanner. For meeting your complete needs in High-Definition Surveying, no organization measures up to Leica Geosystems – the acknowledged industry leader.

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

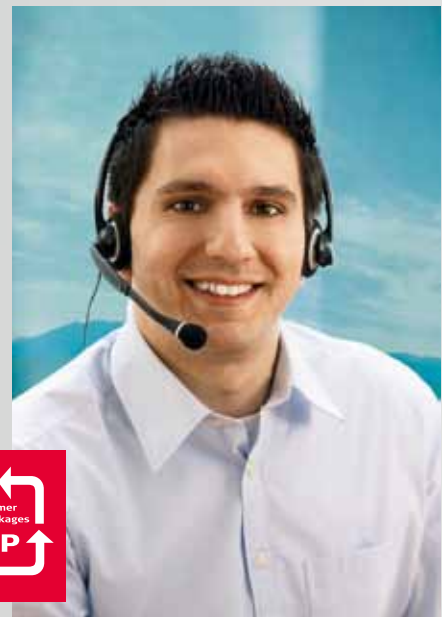
From on-site and factory-based classroom and field training to a global network of experienced HDS support specialists, no organization can help you succeed in High-Definition Surveying better than Leica Geosystems.

Moreover, Leica Geosystems actively cultivates a HDS user community network that supports each other – 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 class2 in accordance
with IEC 60825-1 resp.
EN 60825

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



Leica Scanstation C10
Product information
and specifications



HDS7000
Product information
and specifications



HDS8800
Product information
and specifications



**Leica Cyclone
REGISTER**
Product information



**Leica Cyclone
MODEL**
Product information



A TRADITION IN PRECISION

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