

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.



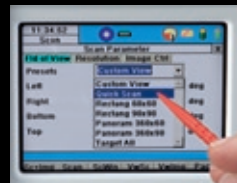
Unprecedented Versatility

- 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



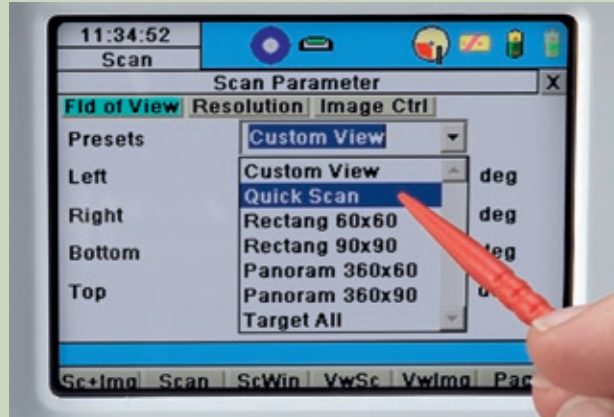
Valuable Cost Savings

- 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



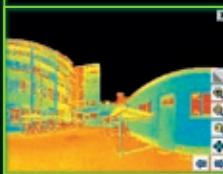
Familiar, Total Station-like Interface

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



Integrated real-time streaming video with zoom

Fast, accurate selection of scene and targets to be scanned



Onboard controller and colour, graphic display

Convenient control and on-site QA, including onboard review of scans



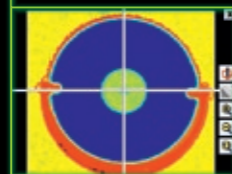
High-resolution digital image display

Auto-adjusting, internal, high resolution digital camera for photo-realistic 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 a laptop or separate handheld device; easy data transfer via USB or Ethernet interface



Integrated battery

Hot-swappable, standard total station battery



Compatibility with standard surveying equipment

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



Laser plummet and tribrach mount

Standard procedures make ScanStation C10 easy to use



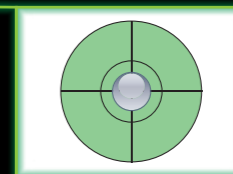
Smart X-Mirror™ design

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



Integrated, dual-axis level compensator

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

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

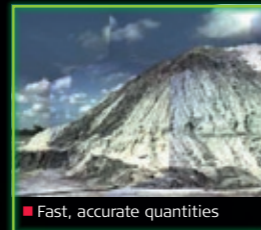
- Lower cost
- Faster
- More accurate & complete
- Safer
- Less intrusive
- More informative

Applications

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



■ Crash analysis



■ Fast, accurate quantities



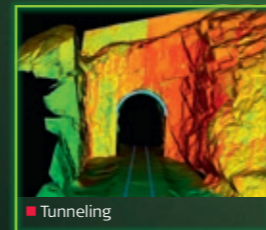
■ Rail



■ Engineering



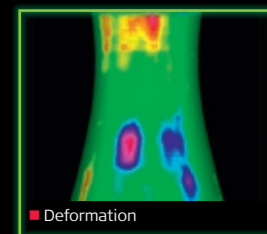
■ Efficient topos



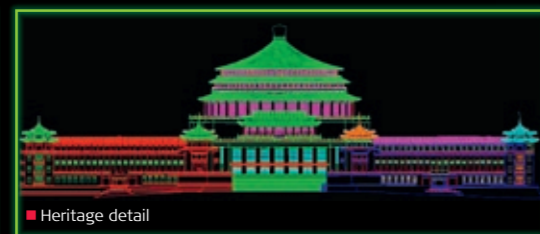
■ Tunneling



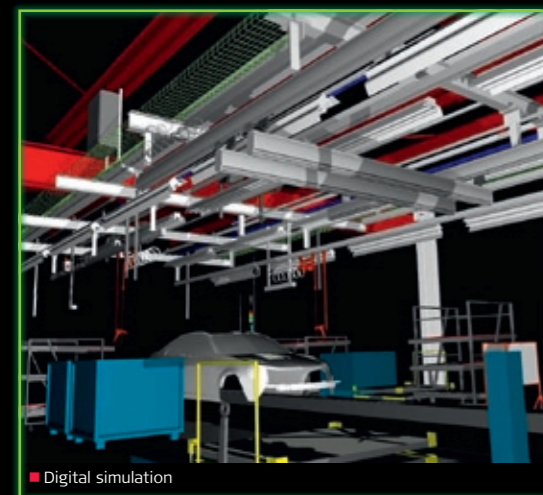
■ Facade



■ Deformation



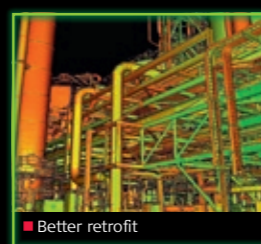
■ Heritage detail



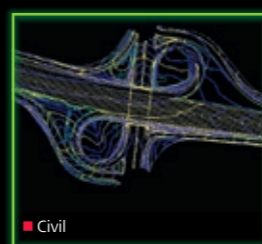
■ Digital simulation



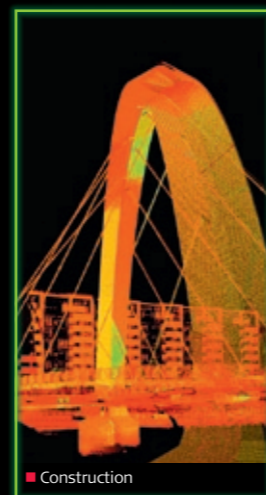
■ Accurate clearances



■ Better retrofit



■ Civil



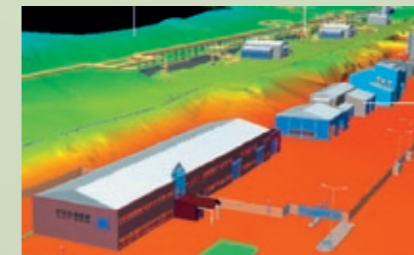
■ Construction

Leica Geosystems

The All-in-One Supplier

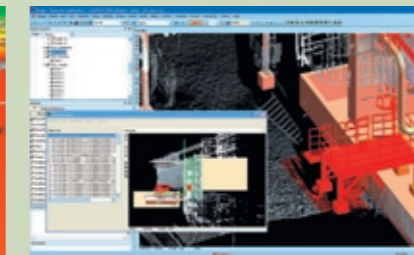
Organizations that enter into laser scanning need more than just hardware. You also need software, training and support, and at some point you may even want more than one type of laser scanner. For meeting your complete needs in High-Definition Surveying, no organization measures up to Leica Geosystems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

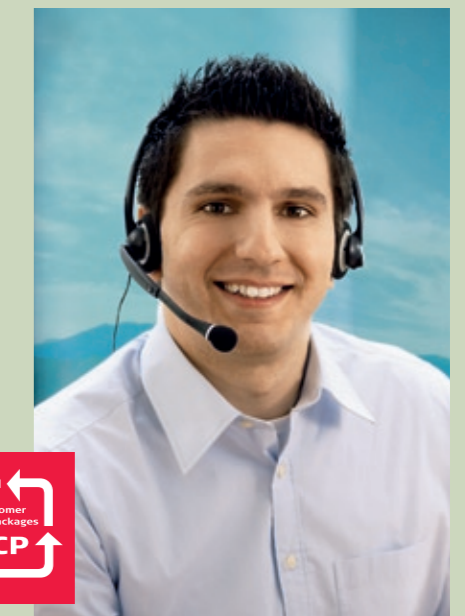
From on-site and factory-based classroom and field training to a global network of experienced HDS support specialists, no organization can help you succeed in High-Definition Surveying better than Leica Geosystems.

Moreover, Leica Geosystems actively cultivates an 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 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 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