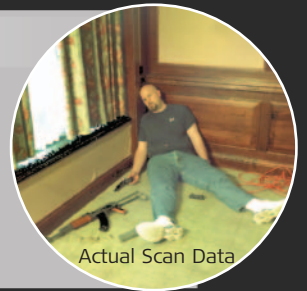


Forensic 3D Laser Scanning by Leica Geosystems

Crime Scene Investigation

Capture the scene in vivid 3D exactly as the first responder found it. Extract any desired measurement, years later if needed! View from any angle. Establish lines of sight. Measure ballistic trajectories. Share scene data with D.A. and others over the web using the free viewer. Create compelling jury exhibits.



Officer Involved Shootings

More and more law enforcement agencies are deploying Leica 3D laser scanning as part of an overall risk management strategy to defend against OIS civil lawsuits. Just one successful defense pays for the cost of this amazing technology many times over.



Terrorism & Homeland Security

Before you can perform a vulnerability and threat assessment for a site, you need to understand the site you have. The ScanStation 2 can be a key component for your homeland security program by allowing you to perform modeling, simulation and analysis based upon what is really there.



Post-event Forensics

Be it a crash investigation, fire scene reconstruction, bomb blast or other catastrophic event, the ScanStation 2 will allow you to map it all in vivid detail at a safe distance. Use indoors or out in any lighting conditions. Long-range and very accurate.



Scan – Analyze – Measure – Diagram – Share and find the truth with the Leica ScanStation 2

The ScanStation 2 from Leica Geosystems is a versatile 3D laser scanning solution which rapidly captures and measures everything in 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 2 is a cure for the CSI Effect. For more information and to receive an example of what Leica 3D laser scanning is capable of, contact Tony Grissim at 831-643-2972 or tony@lgshds.com.

CRIME 360

Watch Leica 3D Laser Scanning in action on A&E's new hit Real-Life series "Crime 360"

www.leica-geosystems.us/forensic

- when it has to be **right**

Leica
Geosystems

Frequently Asked Questions about the Leica Geosystems ScanStation 2

What is it?

A fast, very accurate long-range, tripod-mounted 3D laser scanner integrated with a high-resolution panoramic camera, and with a powerful set of software tools for creating detailed 2D scene diagrams and/or vivid 3D animations of simple or complex scenes.

What does it do?

The ScanStation 2 photographs the scene, then laser scans (measures) whatever is in its field-of-view. The scan data is called a "point cloud" which is made up of millions of individual 3D measurement points (a.k.a. "coordinates", exactly like what a total station outputs). The result from a completed scan is a visually stunning rendering of the scene in 3D from which any measurement can be made, even long after the scene has been released.

Why is the data so compelling to a jury?

3D laser scan 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 themselves into the scene.

Why is the data so useful to investigators?

Most forensic professionals agree that the single most valuable benefit gained from the technology is the ability for investigators to virtually return to the controlled crime scene and easily extract out additional measurement and viewpoint data which may be key to their investigation. This can be done days, weeks, or years later long after the scene has been released and can be especially important should the scope and direction of the investigation change as new evidence comes to light and new theories are explored.

Who can make use of the scanner and its data?

Crime scene unit personnel, criminalists, detectives, homeland security units, incident managers, bomb technicians, arson investigators, prosecutors, crash investigators, risk managers, medical examiners, shooting reconstructionists, forensic animators, SWAT teams, and failure analysis investigators. Using the free Leica TruView software scene data can be shared with non-technical users in the command chain, even over the web.

Where can the ScanStation 2 be used?

The ScanStation 2 can be operated indoors or out, in bright sunshine or in total darkness. The scanner's ability to measure up to 300 meters makes it an ideal tool for law enforcement and public safety officials to document and archive complex environments.

Can the scanner be used for homeland security applications?

Yes. Some police agencies are buying ScanStation 2's using homeland security funding, because the system can be used for vulnerability and threat assessments as well as training and table-top exercises.

Has the data from Leica scanners been accepted as evidence in U.S. Courts?

Yes. Reconstructions created from Leica scan data have a 100% acceptance rate in U.S. Courts.

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

Yes. Almost all third party software is compatible with data from the ScanStation 2.

How can I get more information?

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