



G2 SURVEY
EQUIPMENT SPECIALISTS



REDEFINING REALITY CAPTURE WITH NEXT-GENERATION TECHNOLOGY



G2SURVEY.COM



EVERY SCAN TELLS A STORY





Every point cloud holds untapped potential. Consider the profound value and significance of point cloud data generated through laser scanning. That data contains detailed information about the physical world, such as the shape, size, and texture of objects and environments. It holds the potential for valuable insights that have yet to be fully realised or explored.

By leveraging advanced scanning technology and expertise, G2 Survey are committed to helping you extract and interpret the intricate narratives embedded within point cloud data.

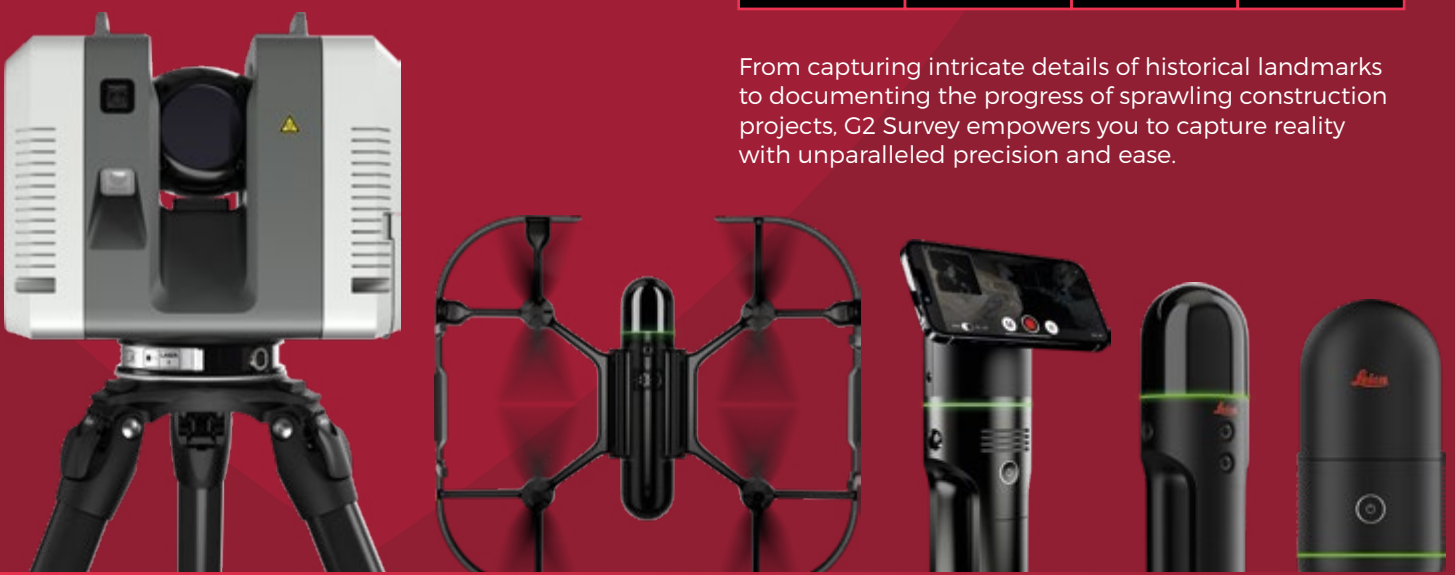
We partner with the very best in scanning technology: Leica Geosystems as an authorised distributor and service partner, and as a BLK Premium Partner. At G2 Survey, we've earned our reputation as a trusted supplier through a steadfast commitment to innovation, reliability, and customer support. And we can make it possible for you to transform raw data into meaningful insights and stories that provide a deeper understanding of the surroundings you need to survey.

Welcome to the forefront of innovation in reality capture

Every day, we help contractors, civil engineers, utility providers, and surveying professionals within the construction and geospatial industries. And we can help you explore spatial data and simplify the complexities of reality capture. We provide:

			
Sales of new and refurbished surveying equipment	Hire of surveying equipment	Service and calibration	Support and training

From capturing intricate details of historical landmarks to documenting the progress of sprawling construction projects, G2 Survey empowers you to capture reality with unparalleled precision and ease.



Leica BLK2FLY

Seamless Scanning from the Sky

The Leica BLK2FLY Autonomous Flying Laser Scanner takes reality capture to the sky with unprecedented convenience and accuracy. Designed as the world's first fully integrated autonomous LiDAR UAV, it simplifies the process of capturing BIM data of an entire building exterior and other structures.

► KEY FEATURES:

- **EASY-TO-USE AUTONOMY**
With just a few taps on a tablet, users can autonomously scan building exteriors, including hard-to-reach areas like rooftops and facades.
- **GRANDSLAM SENSOR FUSION**
Integrating LiDAR, radar, cameras, and GNSS, the BLK2FLY ensures complete scan coverage, optimised flight paths, and safe return to home.
- **ADVANCED OBSTACLE AVOIDANCE**
Equipped with omnidirectional radar and LiDAR, the BLK2FLY navigates around obstacles for uninterrupted and safe scanning.
- **HOT SWAP BATTERY SYSTEM**
Ensures continuous operation by automatically returning for battery swaps during scans.
- **INDOOR MODE**
Expands scanning possibilities to interiors of large structures with reduced flight speed and increased obstacle avoidance.
- **PORTABILITY**
Lightweight and foldable, the BLK2FLY is easily transported in a case, making it ideal for on-the-go scanning.



Regulatory compliance

The BLK2FLY meets aviation requirements such as remote ID and provides alerts for airspace breaches. While no specialised training is required for operation, users must possess a UAV pilot licence and adhere to local flight regulations.



IDEAL FOR:

- Construction
- Architecture



Leica BLK360

IMAGING LASER SCANNER: Unmatched speed and precision

The Leica BLK360 G2 Imaging Laser Scanner changes the way professionals capture and process spatial data. With its lightning-fast scanning capabilities, the BLK360 G2 ensures rapid data acquisition without compromising on quality, empowering users to streamline workflows and accelerate project timelines.

▶ KEY FEATURES:

- ▶ **ULTRA-FAST SCANNING**
Captures a full scan with spherical images in just twenty seconds – over five times faster than the BLK360 G1.
- ▶ **COMPLETE DATA CAPTURE**
Fast and agile in-field workflows with live feedback on your mobile device to ensure comprehensive data collection.
- ▶ **IMMERSIVE HDR IMAGING**
Captures high dynamic range (HDR) spherical images for immersive photospheres and colourised point clouds.
- ▶ **VIS SCAN ALIGNMENT SYSTEM**
Leica Geosystems' Visual Inertial System (VIS) Technology automatically combines scans in the field, reducing alignment time.
- ▶ **HIGH-SPEED DATA TRANSFER**
Real-time data synchronisation between devices and nine times faster transfer speeds via USB-C port for efficient workflow.
- ▶ **COMPACT AND LIGHTWEIGHT**
Weighing just 850g with batteries, making it portable and easy to transport.
- ▶ **BLK LIVE APP**
Free software enables you to control your BLK360 in the field and view scan data from your smartphone or tablet.



IDEAL FOR:

- ▶ Real estate
- ▶ Architecture
- ▶ Engineering
- ▶ Construction
- ▶ Media and entertainment
- ▶ Historical preservation



Leica RTC360



3D LASER SCANNER:

3D reality capture
faster than ever before

The Leica RTC360 3D Laser Scanner redefines the speed and efficiency of 3D reality capture, setting a new benchmark for documenting and visualising environments.

With its unparalleled scanning rate and advanced HDR imaging capabilities, this scanner can generate coloured 3D point clouds in less than two minutes, significantly reducing project timelines. Its automated targetless field registration, driven by VIS technology, eliminates manual intervention and ensures smooth data transfer from the field to the office.

▶ KEY FEATURES:

- ▶ **FAST PERFORMANCE**
Measuring rate of up to 2 million points per second, ensuring rapid data capture.
- ▶ **PORTABILITY AND EASE OF USE**
Compact, lightweight design and simplified one-button operation.
- ▶ **PRECISION SCANNING**
Delivers high-quality scans with exceptional detail, ensuring precise representations of the environment.
- ▶ **SEAMLESS INTEGRATION**
Integrated with the Cyclone FIELD 360 app, effortless capture, registration, and examination of scan and image data on-site.
- ▶ **HANDLES EXTREME TEMPERATURE RANGES**

IDEAL FOR:

- ▶ Construction
- ▶ Architecture
- ▶ Engineering



Leica BLK2GO

HANDHELD IMAGING LASER SCANNER: Scan complex indoor spaces with agility

The Leica BLK2GO Handheld Imaging Laser Scanner introduces exceptional mobility, transforming the way professionals capture complex indoor environments.

Scan over and under objects, through rooms and doorways, around corners, and up and down stairwells.

Mobile mapping is simplified. The BLK2GO enables the creation of 3D digital twins while walking through spaces. This is a fast and straightforward solution for scanning inside large buildings and environments.

▶ KEY FEATURES:

- ▶ **FAST SCANNING**
Capture digital reality seamlessly in real-time, ensuring efficient data acquisition without interruptions.
- ▶ **AGILE OPERATION**
Navigate effortlessly around obstacles and through spaces with SLAM spatial awareness technology.
- ▶ **CONTINUOUS SCANNING**
Enjoy uninterrupted scanning sessions with onboard data collection and rechargeable battery, eliminating the need for tripods.
- ▶ **DUAL AXIS LIDAR DOME**
Equipped with a compact dual-axis LiDAR dome for high-speed scanning, capturing up to 420,000 points per second with exceptional accuracy.
- ▶ **MULTI-CAMERA VISION SYSTEM**
Featuring a 12-megapixel detail camera and three panoramic cameras, the system enables visual navigation, point cloud colorization, and panoramic imagery capture.
- ▶ **GRANDSLAM TECHNOLOGY**
Leveraging LiDAR SLAM, Visual SLAM, and an IMU, GrandSLAM technology ensures autonomous navigation and superior mobile mapping performance. Capture large indoor, outdoor, underground, complex, and multi-level spaces.
- ▶ **DATA INTEGRATION**
Seamlessly integrate captured data into point-cloud compatible software to generate models, floorplans, and other project-specific deliverables.

- ▶ **CAD AND BIM COMPATIBILITY**
Generate precise 2D floor plans and building information models (BIM) effortlessly.
- ▶ **LIGHTWEIGHT**
Weighing just 775g with a battery, the lightweight aluminium construction offers exceptional manoeuvrability and ease of use.
- ▶ **ADVANCED LIGHTGUIDE**
Experience intuitive user guidance and real-time feedback with the advanced light guide.

IDEAL FOR:

- ▶ Architecture and design industries
- ▶ Facility management
- ▶ Space planning
- ▶ Real estate
- ▶ Location scouting
- ▶ Pre-visualisation for media and entertainment



Leica BLK2GO PULSE

Instant deliverables

The PULSE enables instant scanning from a first-person perspective. With advanced reality capture technology, it delivers complete, coloured point clouds directly to your smartphone while you scan. Create 3D digital twins and 2D floor plans with accuracy and ease. Users can share data right away from their smartphones.

► KEY FEATURES:

- **MULTI-CAMERA VISION SYSTEM**
Featuring a 12-megapixel detail camera, just like the BLK2GO.
- **FIRST-PERSON SCANNING**
Mimics human field of view for intuitive indoor reality capture. Datasets are typically lighter compared to that of the BLK2GO, as you're less likely to capture points you didn't mean to.
- **USER FRIENDLY**
Intuitive interface means that users can start using the PULSE with minimal training.
- **DUAL TIME-OF-FLIGHT (TOF) SENSORS**
Delivers uniform coloured point clouds instantly. No post-processing required.
- **BLK LIVE APP INTEGRATION**
Provides real-time visualisation and control of the scanning process on your smartphone.
- **INSTANT DATA DELIVERY**
Ready-to-use, share, and export data immediately after capture.
- **PULSE TECHNOLOGY**
Fusion of Time of Flight (ToF) sensors and GrandSLAM technology for optimal scanning performance.
- **SMART SCANNING GUIDANCE**
On-screen notifications ensure high-quality scans with minimal training required.
- **LIGHTWEIGHT**
850g with battery installed.



BLK2GO vs BLK2GO Pulse

With a range of 10 metres and a +/- 2cm accuracy, PULSE is perfect for creating floor plans, elevations and in facilities management use cases for indoors.

Opt for BLK2GO if you need precision for bigger spaces. The BLK2GO scanner covers 25 metres and offers accuracy +/- 1cm, both indoors and outdoors.

IDEAL FOR:

- Architecture
- Facilities management
- Real estate
- Media and entertainment



AT A GLANCE:

WHICH SCANNER?

Outdoors

▶ LEICA BLK2FLY

- ▶ Hard-to-reach areas like building facades and rooftops
- ▶ Easy-to-use autonomy
- ▶ GrandSLAM sensor fusion for complete scan coverage and safe navigation
- ▶ Advanced obstacle avoidance for uninterrupted scanning sessions



Indoors

▶ LEICA BLK360 IMAGING LASER SCANNER

- ▶ Relatively small-scale reality capture
- ▶ Rapid data acquisition
- ▶ Complete data capture with live feedback for agile workflows
- ▶ Immersive HDR imaging for detailed visualisations



▶ LEICA BLK2GO PULSE

- ▶ First-person scanning for intuitive indoor reality capture
- ▶ Instant data delivery with uniform colorized point clouds
- ▶ User-friendly interface for minimal training required



Outdoors and Indoors

▶ LEICA BLK2GO HANDHELD IMAGING LASER SCANNER

- ▶ Fast scanning with seamless data acquisition in real-time
- ▶ Agile operation for navigating around obstacles effortlessly
- ▶ Continuous scanning with onboard data collection



▶ LEICA RTC360 3D LASER SCANNER

- ▶ Scalable solution for varying sizes of projects for construction, plant, and public safety applications
- ▶ Fast performance with a measuring rate of up to 2 million points per second
- ▶ Portability and ease of use for seamless integration into workflows
- ▶ Precision scanning with exceptional detail



G2 SURVEY
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GET IN TOUCH TODAY

Talk to G2 Survey about your needs. As geospatial equipment specialists, we can help you decide which scanner best fits your needs. We also make it easy to own or hire the equipment you need. Talk to the experts today.

P: 0333 023 2200

E: sales@g2survey.com

W: g2survey.com

Unit 8 & 9, Theale Lakes Business Park, Moulden Way,
Theale, Reading, RG7 4GB

13A Oakbank Park Way, Oakbank Industrial Estate,
Livingston, EH53 0TH

