

3-D Laser Scanning: FAQ

Q: Does this require me purchasing equipment?

A: No, Roebbelen owns the equipment needed to scan your property/building.

Q: Does this take the place of a survey?

A: No, it does not replace a survey. A survey provides elevation and location information at select points based on a Global Positioning System (GPS). A laser scan captures a three-dimensional dataset of the scanner's environment resulting in a point cloud that consists of millions of points.

Q: How long will it take to scan my project?

A: This all depends on the level of detail required. The level of detail that is required is proportionate to the time it takes to complete a particular scan. A higher level of detail requires an increased scanning resolution which, in turn, takes more time. Each project is unique and in order to quote you the most cost-efficient price a specialist will sit down with you to find out your needs first.

Q: Can you do exterior?

A: Yes, but because the laser's accuracy is degraded beyond 120m (393 ft) additional scans may be required to accurately capture large exterior environments.

Q: What happens after the project is scanned?

A: After the data is captured, each of the individual scans are registered (stitched together) to create a single point cloud representing the complete project. The data can then be exported for use with a variety of CAD and BIM applications.

Q: How do we access the data?

A: The data can be accessed online through our secure cloud server, from a removable USB flash drive, or the data can be copied from the flash drive to a local or network storage device.

Q: Can anyone at our organization access the data?

A: Access to the data depends on the method used to store it. Our secure cloud based server allows access only to users who have the correct credentials. If the data is stored on a network, your network administrator can set access permissions to control which users have access and the level of access they have.

Q: Is there software needed to view the information given to us?

A: Only if you want to view the data apart from our cloud server. Trimble offers Trimble SCENE LT, a free viewing application that can be downloaded and installed to as many computers as desired.

Q: Are there licensing requirements?

A: A license is not required to use Trimble SCENE LT. Contact Trimble for purchase information if the full version is desired.

Q: Who owns the data?

A: You do!

Q: How can I learn more about this service and how it applies to my building?

A: Email Shawn Harriman, our BIM Manager, at BIM@roebbelen.com or call him at 916-939-8379.