WHAT IS PHASE SCANNING?

High Definition phase scanning is done with performed with a laser camera which gathers and measures ~500,000 individual laser points PER SECOND. These points are combined into a 3D image (a point cloud) that looks like a photograph.

HOW DO I USE THE SCAN?

Using FREE software, the user can fly around their building and look at it from any angle and take measurements between items on the screen. Images can be printed for discussion or captured electronically and shared with others.

So, in essence, the scan is a 3D model of your building with more detail than any human being could ever gather. This model is then used in planning, preliminary design, reverse engineering, construction, demolition and final design.

If your team uses AutoCAD or REVIT, the scan can also be imported into your software for users to draw over, trace or model the building elements.

WHAT CAN BE SCANNED?

Anything can be scanned if it stands still. Buildings, parking lots, roads and bridges, equipment, property, accident sites, collapsed buildings, excavation sites, rebar prior to pouring, ceilings prior to closing them in, large pits, and piles of coal, gravel, salt and so forth.

Scanning is also used to recreate ornate building elements, furniture, art or designs of any kind.

IS IT EXPENSIVE?

Not at all. The camera’s range from $50,000 - $100,000 depending upon your application, but when you can gather 100’s of millions of images and points in a few hours, that would have taken a team a week to gather, there is no comparison in cost.

IS IT ACCURATE?

Phase scanning is accurate within 2mm at 30’ on average, but can be far more accurate than this if desired. Phase scanning images can be certified accurate unlike field measuring which adds in a human element that could record the data incorrectly or make a multitude of other mistakes.

IS A SCAN ALL YOU GET?

No, once an area is scanned it can be turned into a design model in 2D or 3D that can be used for design and construction documents.