

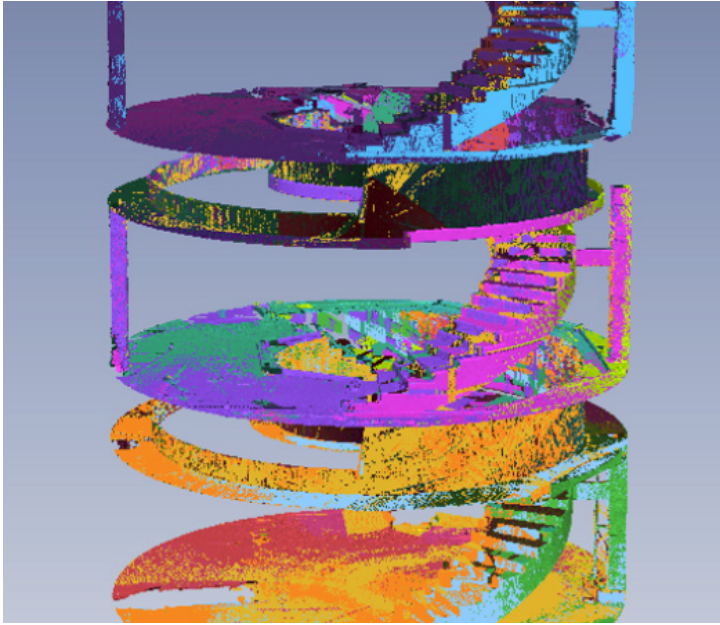
High Definition Scanning



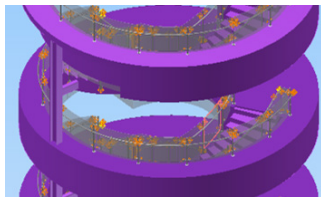
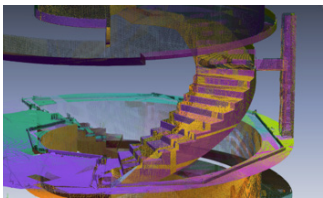
Accurate Measuring Done Right

Known as High Definition Surveying (HDS) or Reality Capture, the process uses a 3D scanner tool to produce high accuracy mapping of a project's design and geometry. This form of field analysis compliments the cutting edge design team, and engineered railing systems at Trex Commercial Products.

COMMERCIAL PRODUCTS



Why use Trex Commercial Products' HDS?



Point Cloud Data from Scan

Parts/Drawing Creation



Field Analysis

- Trex Commercial representative travels to job site
- Scanning completed where site conditions permit
- Eliminates need for field dimensioning

Liability

- Trex Commercial assumes responsibility for field measuring of this project
- File conversion and submittal drawings based off of project scan point cloud information

Flawless Execution

- Accurate dimensions saves both time and cost of fabrication rework

High Definition Scanning

What is HDS?

Laser scanning, also known as High Definition Surveying (HDS) or Reality Capture, is a process in which a 3D scanner tool is used to produce high accuracy mapping of an object/area with complex design and geometry. The collected data points are then turned into a “point cloud” file providing extremely accurate dimensions quickly, safely and efficiently.

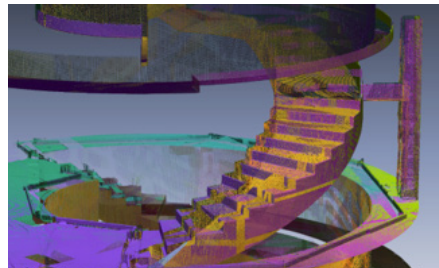
HDS Value

- Excels on complicated geometry with “Complete” capture of field conditions
- Dimensions/data stored electronically with faster retrieval and ensures accuracy of as-built drawings
- Cost savings of fabrication rework, install time or going back for additional field dimensions
- Construction conflicts identified at time of scan versus later in the process by an installer
- By reducing the need to physically access hard to reach areas and minimizing fabricating reworks, HDS helps with personnel safety for the duration of the project.

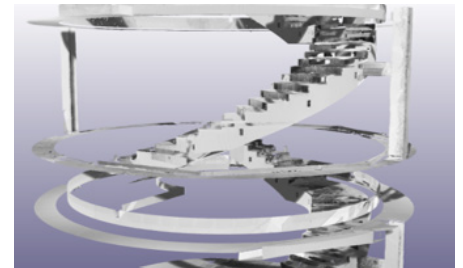
HDS Process



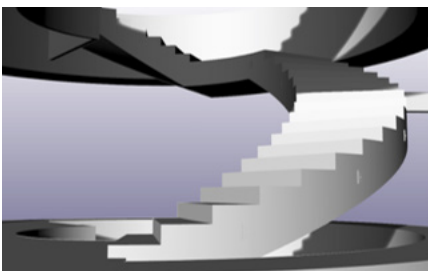
Site ready for scan



Point Cloud Data from Scan



Mesh Data File



3D Surface Model



Parts/Drawing Creation



Installation



Completed Project



Completed Project

