

FARO Laser Scanner Focus

3D Surveying Solutions



The FARO Laser Scanner Focus is an advanced 3D surveying system that captures three dimensional measurements, quickly and accurately.

Application

Using the FARO Laser Scanner Focus, Applus+ is able to provide clients with virtual site tours, as built drawings, intelligent 3D BIM models, 3D renders, and orthographic photography. These deliverables can be used to identify and remediate construction/fitting issues, job safety planning, maintenance and operational applications, perform volume calculations, and assist in identifying liquid release travel corridors.

Operation

The FARO Laser Scanner Focus creates points as it comes into contact with a reflective surface, as additional scans are captured, a “point cloud” is generated. The point cloud can be used to perform spatial measurements, or be converted into a BIM model. The unit also creates orthographic photography and panoramic photography of the site, which provides excellent as-built documentation.

Benefits

The FARO Laser Scanner Focus is easy to operate, and able to capture a large amount of data in a short amount of time. With this highly accurate data, the clients can realize significant cost savings on projects where accurate spatial analysis is a consideration. That same data can be used over and over again to answer questions and solve real world problems.

Performance & Specifications

- Range from 0.6m up to 330m / 2 ft. to 1080 ft.
- Average scan time is approximately 9 minutes.
- Distance accuracy up to ± 2 mm with survey control.
- Unit has GPS, compass, height sensor, dual axis compensation remote sensing capability.
- Lightweight and portable at 5.2kg / 11.5 lbs.