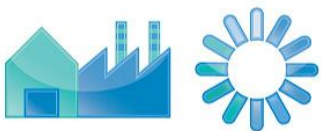


01 Scanning & Data Import



- Scan the object or space with a 3D laser scanner.
- Import obtained point cloud data to InfiPoints™.

Compatible with All 3D Scanners

Supports wide range of scanners through official partnerships.

▼ Stationary

▼ Handheld

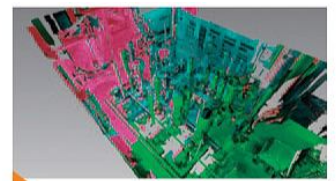
02 Data Preprocessing



One of InfiPoints™ key innovation is that it automatically preprocesses point cloud data to ensure smooth and accurate utilization in post processing.

Registration

Register multiple shots.

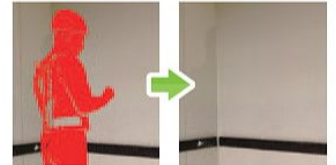


Rich Functionalities for Accurate Registration

Guarantees high accuracy by registering and aligning data using markers, survey information, and planes extracted from point clouds.

Noise Reduction

Remove unwanted noise such as vehicles and human figures automatically.



03 Analysis



InfiPoints™ enables measurements and simulations in a virtual environment. This reduces the number of on-site visits and improves work efficiency.

Collision Detection

Check collisions between point clouds and imported CAD data.



Collision Detection along Pre-defined Path

Moves CAD model along a pre-defined path, and detects collisions against the surrounding point clouds.

Verification against CAD Model

Detect gaps and differences between CAD model and point clouds (current status).



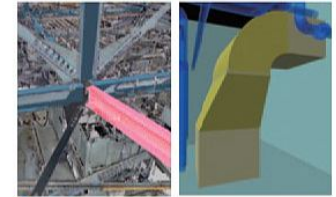
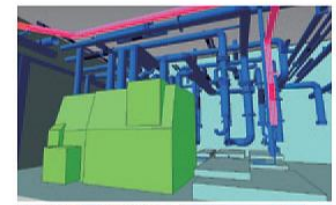
04 CAD Model Generation



InfiPoints™ generates CAD models of building structure and equipment using planes and cylinders auto-extracted from point clouds.

Pipe / Structure / Duct Modeling

Create detailed CAD models by simple mouse operations.



Advanced Feature Extraction

InfiPoints™ aids modeling work by auto-extracted base surfaces for pipe / equipment / steel structure / duct modeling.

05 Advanced Output



InfiPoints™ exports results in various formats for smooth data sharing among related people, and data reuse in other systems.

Data Export

Export generated models in 3D / 2D formats for post processes.

Interoperability with BIM / CAD Systems

Supports a wide range of formats for data export including IFC and DWG.

Visualization File Export

Export files for 3D viewing, measuring, and much more without any special viewers.

Video Creation

Create high quality fly-through videos.

Export for VR

Allow collaboration with virtual reality such as head mount display.

