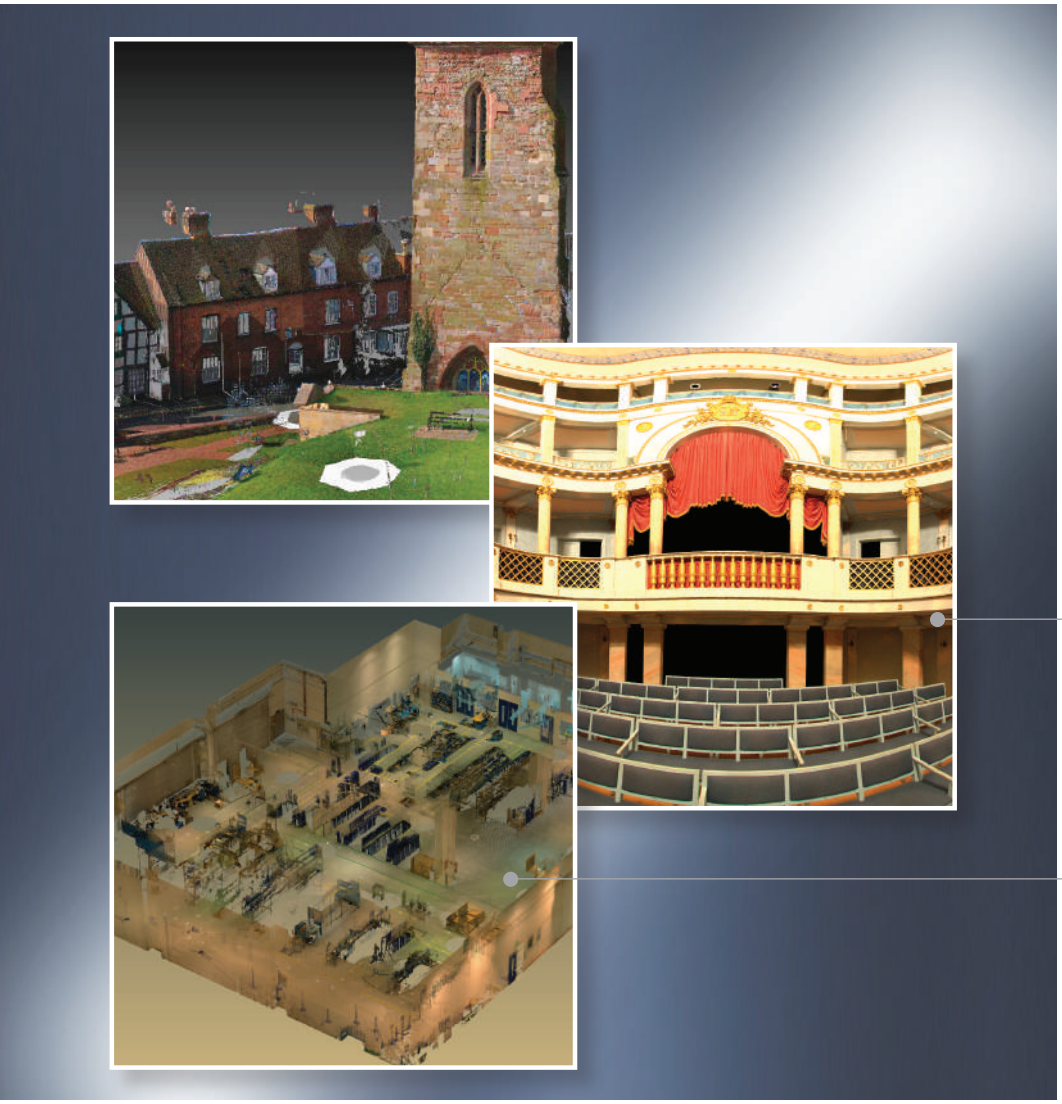
FARO Scene



NEW - Automatic Scan Alignment

Data post-processing, reference target search, and scan placement.

User-friendly Interface

Intuitive built-in wizards for assessing and improving calculation results.

Measuring and Analyzing

Generation of objects, including points, spheres, planes, and cylinders directly from the scan data. Measuring between scan points and objects. Checks for flatness.

Automatic Color Overlay

This innovation uses the high-resolution color photographs of the FARO color option, automatically detecting and equalizing differences in the distortion and alignment of the photos.

3D View

Permits the intuitive 'understanding' of the scanned environment. Displays the scan data along with the measuring results, calculated objects, and imported CAD data.

Real Virtuality Software!

FARO Scene is specifically designed for the FARO Laser Scanner. Scene processes and manages scanned data both highly efficiently and easily by using the new automatic object recognition, scan registration, and positioning.

Reference targets are automatically detected and assigned to each other. The individual scan locations are placed in space and georeferenced upon request. FARO Scene can also colorize scans. The software is extremely user-friendly and generates high-quality data with minimal manual effort - all you have to do is check the results at the end.

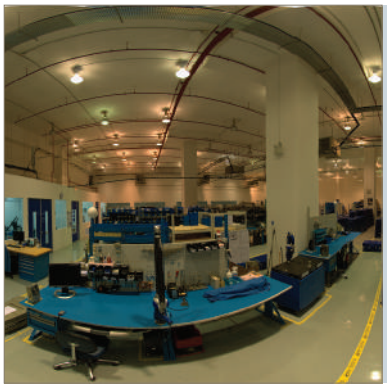
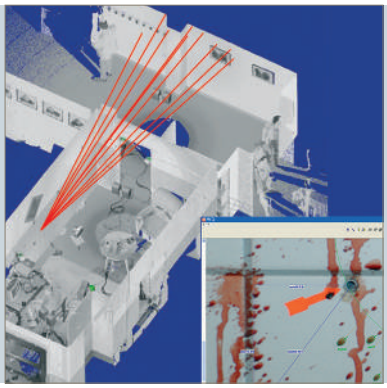
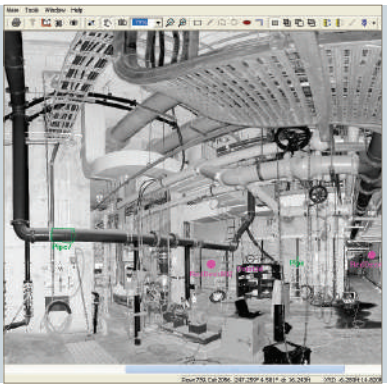
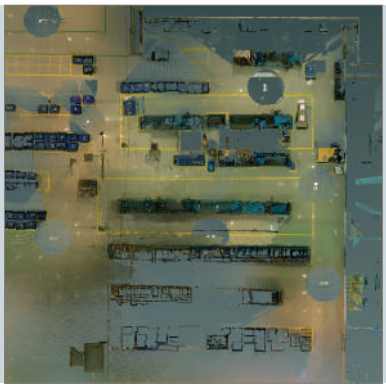
Once FARO Scene has prepared the scan data, you can commence evaluation and further processing right away. Scene provides you with an extensive series of easy-to-use functions at your disposal – simple measuring, 3D visualization, meshing, and exporting into various point cloud and CAD formats.

Features

- Efficient workflow through the original data acquisition to the finished project
- Minimal manual post-processing required due to automatic scan processing
- Simple and easy to learn
- Interfaces with numerous industry-specific software products

FARO Scene

Applications

Specifications

Editing Scan Data
- Automatic search for reference spheres and black and white reference targets
- Object markers for the manual identification of spheres, black and white reference targets, circular reference targets, planes and slabs
- Online correspondence search for the automatic assignment of reference points
- Automatic coloring of the scans with the high-resolution color photographs of the FARO color option
- Coloring of scan points with the aid of imported color photos
- Deletion of scan areas
- Generation of new scan files of selected areas
- Filters (including "dark points", and "stray points")

Data Management of Extensive Projects
- Hierarchical structure
- Bundling of unlimited number of scans to one project

Analysis
- Distance measurement
- Analysis of evenness

Navigation
- Displaying of scan positions for viewpoint selection and changing to other scans by clicking
- 3D navigation in flight and inspection mode
- Predefined views (front view, side view, top view)

Import & Export
- Control points for geo-referencing (.cor, .csv)
- Scan points (FARO Scan, FARO Cloud, .dxf, VRML, .igs, .txt, .xyz, .xyb, .pts, .ptx, .ptc, .ptz [import only], .pod [export only])
- CAD objects (.wrl [im- & export], .igs and .dxf [export only])
- Import digital photos (.jpg, .png, .bmp)
- Export panoramic images (.jpg)
- Online data transfer to FARO Cloud for AutoCAD

Creating Workspaces
- Scans & CAD objects
- Object fitting with visual quality indicators for spheres/ tubes/planes (including automatic border detection)
- Meshing
- Measurements
- Intuitive user interface with structure view

Views
- 3D view
- Planar & Quick view
- Color scans are shown either in black & white or color
- CAD object display
- Print preview
- Color gradient depiction for displaying point distances from reference planes or the scanner location

General

Areas of Application
- Process industry and power plant design
- Digital factory / virtual reality
- Architecture
- Civil engineering and plant design
- Archaeology and cultural preservation
- Factory planning / automation technology
- Safety engineering and forensics
- Marketing, advertising and computer graphics

System Requirements
- Microsoft Windows XP (Professional, SP2 or higher)
- At least 1GHz PII (2.5GHz P4 recommended)
- 1GB RAM (2GB recommended)
- Mouse with 2 buttons and wheel
- Graphics card with 128MB and OpenGL hardware acceleration
- Network interface card

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