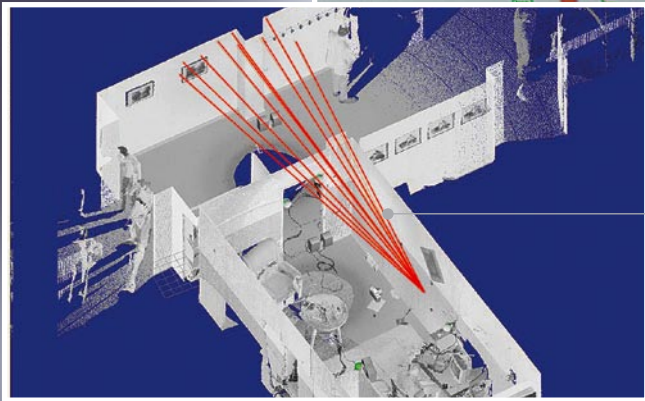
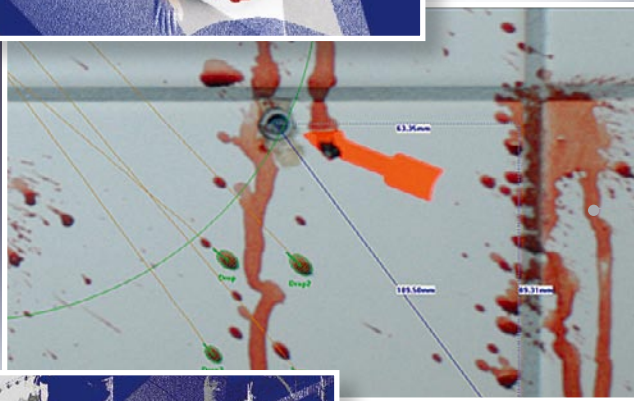
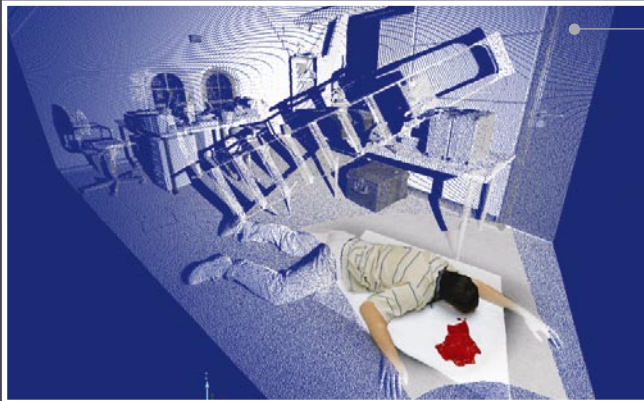


# Laser Scanner Photon™ - Forensic Package



## [A] Instantly capture all crime scene details

**Direct interface with FARO Photon™ scanner** - Process Photon™ images and incorporate them into the FARO Forensic Package.

**Scan Regions** - Organize your scan data in either single or multiple scenes for even faster access and display.

**Assisted 3D Analysis** - Powerful feature wizards for blood splatter examination and projectile trajectory evaluation.

## [B] Blood Splatter Analysis and Measurements in High-Resolution Photo

**Quality Data Storage Management** - Review new and existing 3D scenes for the complete life-cycle of the investigation.

**CAD Support** - Import/Export graphical 3D points directly from/to all major CAD systems available on the market.

## [C] Blood Splatter and Bullet Shot Trajectories

**Scene Visualization & Colour Overlay** - add real reality to any areas with hi-res colour imagery. Easy to interpret and evaluate key areas of interest which are geometrically correct and comprehensible.

## FARO Laser Scanner Photon™

The FARO Laser Scanner Photon™ is a portable non-contact measurement system which uses laser technology to accurately measure manufacturing plants, processing facilities, and in specialized applications ranging from forensics to heritage sites. The system rotates 360 degrees and automatically measures everything within the line of sight from the scanner's position. The stand-alone system records millions of 3D measurements in real time.

### FARO Forensic Package

The combination of FARO's Photon™ high quality data capture and Forensic Package provides a powerful tool for capturing 3D investigation scenes. Scene analysis and documentation are streamlined in one easy to operate solution, assisting in faster scene assessments, easy to interpret visual aids and effective digital storage of critical information for the total duration of the investigation. Clear the investigation area faster reducing possible contamination and the impact on surrounding services. Return to the scene at any time for re-evaluation and new theory confirmation.

## Features

- ▶ Quick Start with immediate results
- ▶ Well structured menus for intuitive interaction
- ▶ Drag and drop for easy creation of workspaces
- ▶ Easy to use measurement tools, Object based measurement tools
- ▶ Meshing to create 3D-Surfaces with coloured photo overlay
- ▶ VRML Import of CAD-Models such as people, furniture, cars, guns etc.

# Forensic Package

## Applications



## Technical Specifications

### Creating Workspaces

- Creating Scenes
- Scan viewing, filtering, registration direct or with Survey Points
- Import of CAD Objects via VRML
- Object recognition with Cylinder/Spheres/Planes (inc. automatic border detection)
- Edge detection
- 3D-Distance measurements
- Intuitive user interface with structure view and support of drag-and-drop functionality between Windows Explorer and FARO Scene

### Import & Export

- Targets (.cor)
- Scan points / Scan pictures (.jpg)
- CAD objects (.igs) (FARO Scan, FARO Cloud, .dxf, VRML, .igs, .pts, .ptx, .ptc)

### Navigation

- Displays scan positions for view point selection
- Fly-through, Examine, Pan

### Views

- Photographic View incl. Hi-Res Photos
- 3D View with VRML Objects
- Quick .jpg Image-View
- Multiple Photo Overlays with CCD-Cameras, Line Cameras, single shots, Hi-Res-Shots
- Display of Blood Splatter and Bullet Trajectories

### Data management

- Hierarchical structure of Scene and Scans
- Analysis Results stored in Objects with export capability
- Highly efficient storage with max. compression
- One Workspace for all collateral data incl. photos, blood drops, trajectories etc.

### Analysis

- Distance measurement also in Hi-Res-Photo
- Blood Splatter Trajectory
- Bullet Shot Trajectories
- Viewing Analysis also with imported models
- Structural analysis with slicing etc.

### Accurate & Fast 3D-Forensical-Tools

For real time investigation with minimum Trace Deterioration. Sound & complete facts from reality at the touch of a button. Effective digital storage of critical information. Return to the scene at any time for re-evaluation and new theory confirmation. Solutions for the Forensic Professional exist in many areas:

- Crime Scenes
- Accident Investigation
- Bank Robberies
- Fire Incidents

### System Requirements

- Microsoft Windows XP (Professional or Home Edition, SP1 or later); Windows 2000 (SP2 or later); Windows NT 4.0 (SP6)
- 1 GHz processor (2.5 GHz recommended)
- 1 GB RAM (2 GB recommended)
- Mouse with 2 buttons and wheel
- Graphics Card with 32MB & OpenGL hardware acceleration
- Ethernet card for licensing

