Leica Cyclone BASIC
Comprehensive laser scan software for field & office

Cyclone BASIC

3D Limit boxes allow users to focus in on specific areas

Easily manage which ScanWorld is visible in the ScanWorld Explorer

Redlines enable better communication with others in the project

Model this area first

Ability to quickly measure between scan points and/or modelled objects
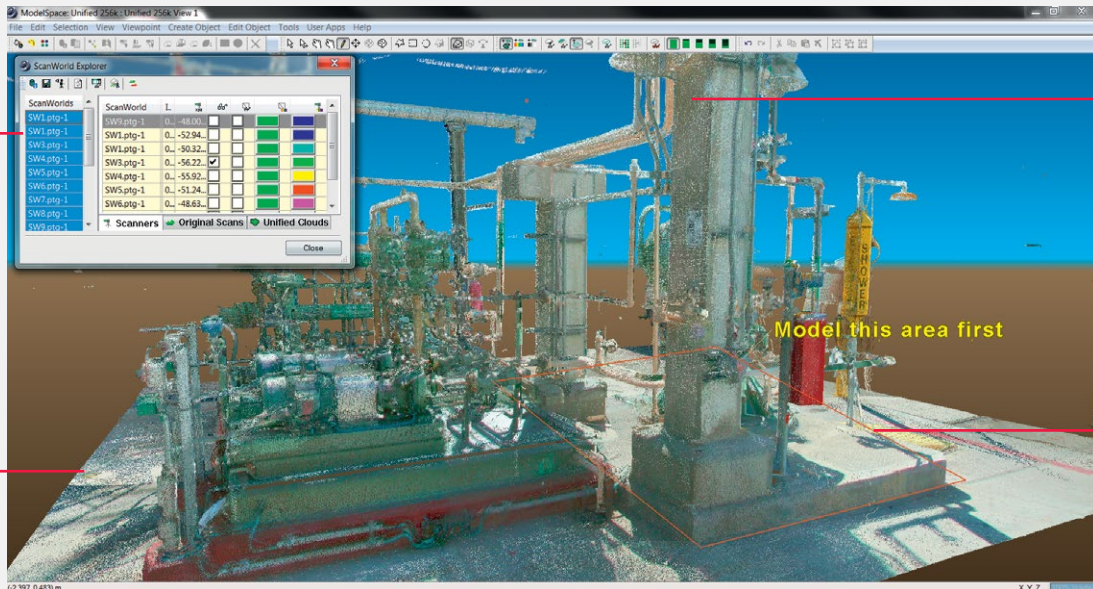
Powerful and affordable 3D point cloud visualisation, measurement, mark up, and data exchange software for professionals.

Leica Cyclone BASIC provides professionals with a set of tools for efficiently managing and executing laser scanning/digital reality projects.

Professionals can collect and analyse point cloud data, while collaborating for better informed project decisions.

In the office, Cyclone BASIC enables the viewing and navigating of point clouds and 3D models, as well as measurement and mark up/redlining. Cyclone BASIC is a versatile back office data exchange module, supporting import and export of most industry accepted of formats.

Features and Benefits
- Fly Mode for smooth, 3D fly-through navigation, including 3D mouse support
- Measurements between scan points and/or modelled surfaces
- Mark up scan images with redline tools
- Field geo-reference, auto-registration, traverse, resection, and known point set up*

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Leica Geosystems

Leica Cyclone BASIC
Point cloud scanning, visualisation, measurement, mark up and data exchange

Import and analyse scan data from all Leica Geosystems and most third party scanners and export in most industry accepted formats.

Powerful 3D Navigation and Visualisation

Cyclone BASIC lets users work efficiently with rich laser scan data sets numbering in the hundreds or even thousands of scans. And for improved comprehension of point clouds, advanced visualisation modes Cyclone BASIC allows users to see "through" walls, apply shaded rendering, enhance edge display and more. Additional visualisation tools such as layers and 3D Limit Boxes allow users to efficiently focus on specific areas of laser scan and model data.

Users can smoothly fly through and around point clouds, as well as pan, zoom, and rotate views. Cyclone's Level of Detail display tools provide highly efficient 3D visualisation and manipulation of even the largest point clouds and models.

Scan Data Management, Measurement and Mark up

Import scan data from virtually any scanner and export in popular formats as needed. After import, users can access a rich set of tools for measuring directly between selected scan points and/or modelled surfaces. Measurements stored during one session can be recalled later and managed by any user to allow for seamless collaboration. Users can also easily mark up scan images with redline tools to effectively communicate with others. Redline Manager allows users to handle multiple mark ups at once, including providing appropriate view points for individual redlines.

Leica Cyclone BASIC Specifications*

Workflow	Automatic target acquisition, Traverse & Resection
Control data	Auto compare control data to scan data In-field data geo-referencing
Camera	Acquire and display digital image (scanner with internal or external camera)
Viewing	Full 3D fly, pan, zoom, rotate; including 3D mouse support. Control color mapping using intensity, true-colour, gray scale, colour by elevation, etc.
Import	Point data formats: XYZ, PTS, PTX, LAS, E57, ZFS, DP Project data from Leica HDS and Pegasus scanners Image and model data: COE, BMP, TIFF, JPEG, PNG Control data from ASCII & X-Function DBX
Export	Point data formats: XYZ, PTS, PTX, E57, DXF, PCI/CWF, DBX, Land XML Image and model data: COE, BMP, TIFF, JPEG, PNG Publish to JetStream Enterprise** Publish to TruView Enterprise or TruView Local*** Publish to TruView Cloud

Hardware and System Requirements

Minimum Specifications

Processor: 2 GHz Dual Core processor or better

RAM: 2 GB (4 GB for Windows Vista or Windows 7)

Hard disk: 40 GB

Display: SVGA or OpenGL accelerated graphics card (with latest drivers)

Supported operating systems: Windows 7 (32 or 64 bit), Windows 8 & 8.1 (64 bit only), Windows 10 (64 bit only)

File system: NTFS

Recommended Specifications

Processor: 3.0 GHz Quad Core w/ Hyper-threading or higher

RAM: 32 GB's or more 64 bit OS

Hard disk: 500 GB SSD Drive

Large project disk option: RAID 5, 6, or 10 w/ SATA or SAS drives

Display: Nvidia GeForce 680 or ATI 7850 or better, with 2 GB's memory or more

Operating system: Microsoft Windows 7 – 64bit

File system: NTFS

* Reference the Leica Cyclone & CloudWorx Technical Specifications document for a complete listing of product specifications.

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*** Enabled by separate Cyclone TruView PUBLISHER License.

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