

Datasheet: LFM Server



LFM Server is the most advanced package for accessing and working with pre-registered laser scan data. Its performance level and degree of functionality are unrivaled. A modular approach allows you to 'build' your own package and include only features that you need, this further ensures that the package is able to meet your needs.

LFM handles the laser scan data. You handle your CAD package.

Key features

Points Engine

- Access huge data sets with ease
- Unlimited number of scans can be stored using *InfiniteCore™* technology
- Stretch Volume Selection
- Rapid Point Demolition

CAD Connectivity

- Live CAD-Links to:
 - AutoDesk – AutoCAD
 - AVEVA - PDMS, Review
 - Bentley - Microstation
 - Intergraph - PDS, SP3D
 - VR Context - Walkinside

Productivity

- Automatic clash detection – fast, reliable. Clashes displayed in true-to-life *BubbleView™*
- Distance and Diameter measurements within the *BubbleView™*
- Benchmark Referencing
- Rapid Tie point creation and export
- Volume Manager

Rendering

- Perspective and Plan+Elevation mode
- Edge mode for visualising edges of features
- Colour support

Interface laser scan data with any number of leading CAD packages.

LFM is a member of both the Autodesk and Bentley development network. We are a certified development partner of AVEVA and a member of Intergraph's SmartPlant Alliance Programme. LFM is also able to interface with VR Context's Walkinside product. LFM laser scanning software is not tied to any one particular CAD vendor / package. Our close relationship with all of these leading CAD vendors guarantees a seamless interface between LFM Server and any number of CAD products.

Automatic Clash Detection

A powerful and reliable clash detection tool displays every interference between a proposed CAD design and as-built laser scan data. The clash module

is powerful, efficient and flexible. The user can clash detect the whole site, particular volumes or individual objects. Clashes can be reviewed as a 3D point cloud, as a rapidly accessed volume or using the *BubbleView™* interface. The *BubbleView™* is such a powerful feature that it gives the impression of being on-site. LFM is the only package that offers *BubbleView™* technology.

Smart Demolition tools for Asset Management

Laser scan data can be temporarily demolished so that it does not contribute to the clash detection process or to reflect changes in the as-built site. This is an important but essential tool that easily allows Owner / Operators to understand and document the revamped asset.

Coloured Point clouds and Coloured *BubbleView™*

LFM Server supports laser scan data which has been captured in colour. This coloured data is reflected in the point cloud and the *BubbleView™*, enhancing this 'true-to-life' viewing mode.

Rapidly create and rapidly access project databases of an unlimited size with *Infinite Core™*

At the heart of LFM Server lies *Infinite Core™* technology. Its unique method of organising laser scan data means that even for the biggest project, every single point of measured scan information can be stored.