3D Vision ™ Software

1. Multiple views

2. Effective screen handling

3. Interactive tools

4. Interpretation tools
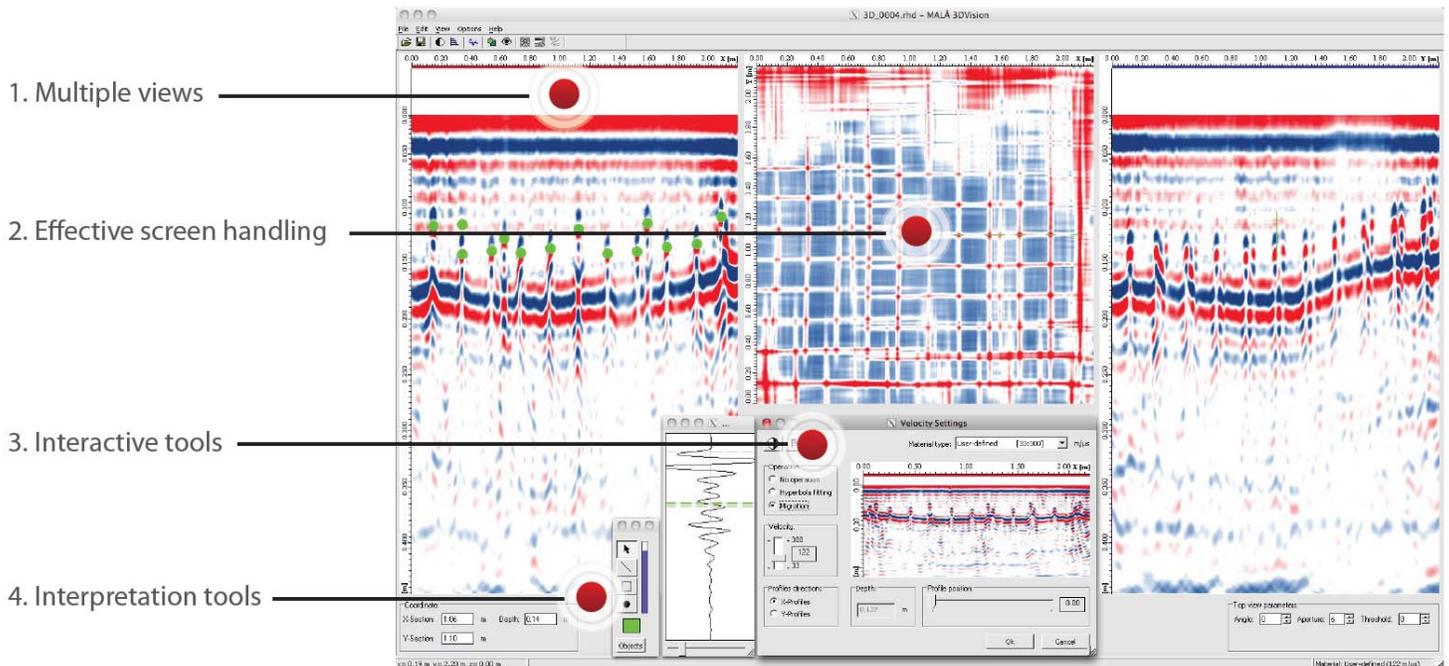
3D Grid Project Visualization and Interpretation software

3DVision is a Windows based software program for the processing and visualization of Ground Penetrating Radar (GPR) data.

Specifically developed to replicate and enhance the 3D Grid Project functionality of the popular CX Concrete Imaging System, the software offers an easy way to manage 3D Grid Project data collected with the CX system or the XV Monitor.

In areas where detailed investigation is required, the Grid Project mode facilitates the collection of GPR profiles and the creation of 3D images of the subsurface. Users collect a number of perpendicular profiles following a defined grid map and the intuitive steps in the project driven acquisition software.

Processing of this collected data can be performed in real-time, in-the-box, and presents a 'top-down' and cross sectional view of the area under investigation.

3DVision replicates the in-box Grid Project function, but offers clients greater flexibility for off-line data processing and the development of compelling visualization. Features within this software allow users to look down 'through' the survey area to identify features at different depths and running in different directions.

A very useful aspect of this software is the ability to enable a 'drawing tool' to highlight features within the investigated area, which can be marked on the ground surface and approved for excavation.

Easy to use software

3DVision software follows the 'easy-to-use' strategy commonly associated with the GPR products. It is practical software focused on the essentials for treating and visualization of 3D grid project data from the CX and XV monitor systems, giving its users maximal return on invested time.

Efficient data handling

The software has an efficient graphics engine and will display data without delay. The interface (GUI) uses a simple toolbar making processing and interpretation work easy.
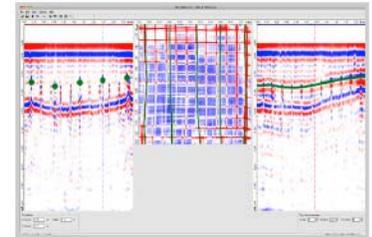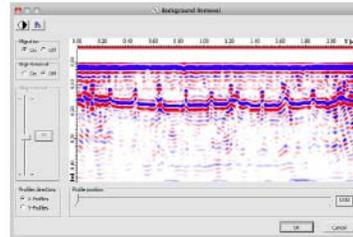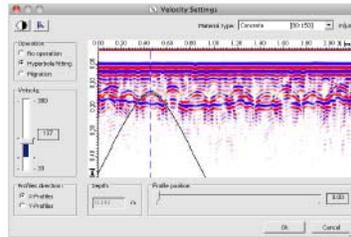
Plug-in technology

3DVision is based on a modular hierarchy, which uses plug-in technology, and therefore supports the rapid development and inclusion of new feature and functionality required by users.

Compatibility

3DVision is a Windows based (Win XP, 7 tested) software but functionality has also been tested and confirmed on Mac OSX using CrossOver emulation.

Multiple Views of data

All needed views of data will simultaneously be displayed. Global Cursor control will help the 3DVision users to keep track of data points in all dimensions making interpretation work smooth and easy to understand.

Interactive processing and analysis

3DVision's suite of interactive tools helps the user to demystify complex ground penetrating radar datasets, easily determining velocity components of data, removing background noise, improving the quality of the collected data and bring the key components into focus to simplify interpretation work.

Interpretation tools

3DVision is fitted with a fundamental set of interpretation tools supporting transparency and editing in all views.

System Requirements

The following minimum system requirements are recommended for running 3D Vision:

• Windows XP (SP3) or Windows 7

• 1.6 GHz Intel® Core2 Processor or better

• 1 Gb of RAM or more

• 10 Gb of free hard drive space or more

• Display of 1024 x 768 or more

• Standard Graphics Card