

SeisImager 2D Data Sheet

SeisImager2D refraction software is a fully integrated refraction modelling and interpretation software package that runs on your Geometrics seismograph or PC.

First breaks can be picked quickly with and accurately using the automatic pick function, with manual override. Clean up noisy data with comprehensive filtering and view all your prior picks simultaneously for shot-to-shot coherence.

Choose from three methods of analysis to best suit the geologic conditions. Take a quick look with a 2 or 3-layer time-term analysis. If you prefer traditional methods, use the delay-time (reciprocal) method and view the process step-by-step. If you expect lateral velocity variations, use the optimised tomographic analysis that runs quickly and accurately.

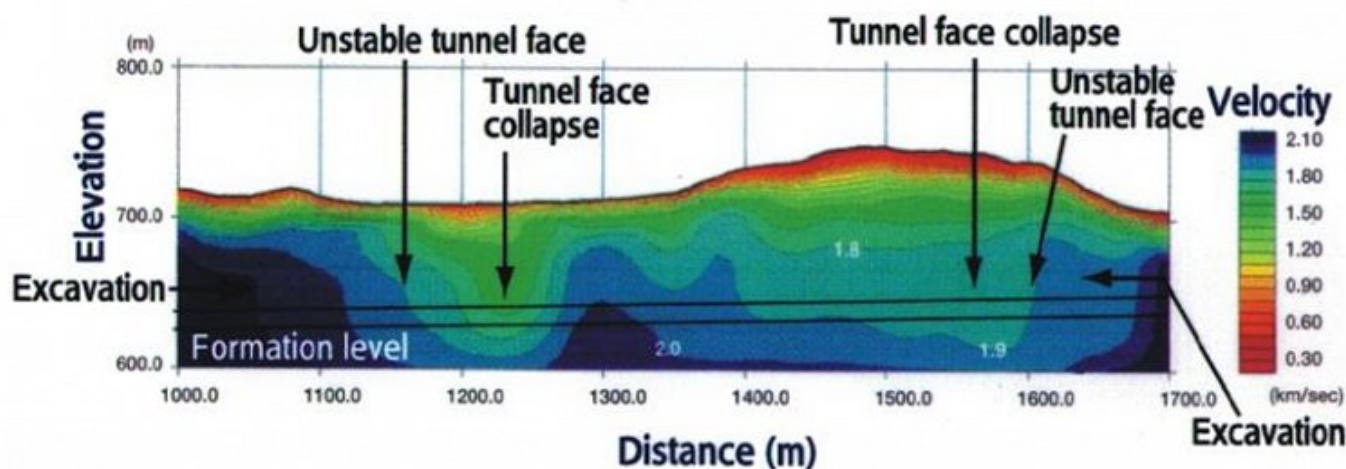


Image courtesy of Geometrics Inc.

QC your data before analysis to ensure that your answer will be the most accurate. Display differences between travel time curves to distinguish layering and refractor topography. Automatically resolve reciprocal time conflicts that cause inaccuracies in depth estimation

Features

- Comprehensive modelling and ray tracing.
- Automatic and manual first break picking,
- Quality control tools to improve your results.
- Three analysis methods; time-term least squares, delay-time (reciprocal) and tomographic inversion.
- Optional surface wave and downhole package add-on

SeisImager2D lite

Supplied free with all Geometrics seismograph purchases the lite version permits up to 16K samples per trace, 64 traces per shot, 51 traces per interpretation, and 12 shots per interpretation.

SeisImager2D Standard

Most commercial application require SeisImager2D to be upgrading to the standard Licence which supports up to 16K

samples per trace, 128 traces per shot, 360 traces per interpretation, and 65 shots per interpretation. This is by far the most common supplied processing package for refraction analyses.

SeisImager2D Pro

SeisImager 2D Pro permits users to upload a virtually unlimited number of traces, extending the standard software capabilities up to 2M samples per trace, 48K traces per shot, 48K traces per interpretation, and 48K shots per interpretation.

Technical Specifications

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| Operating System (OS): | Windows XP to Windows 10. |
| RAM Memory: | Minimum 1Gb. |
| Protection: | Activation code. Provided via email. |

Videos

Seismic Training 2-1

<https://www.youtube.com/watch?v=zt1R1BNxHeE>

Seismic Training 2-2

<https://www.youtube.com/watch?v=lvGMI-VzsBY>

Seismic Training 2-3

<https://www.youtube.com/watch?v=ohGIXdBWNwM>