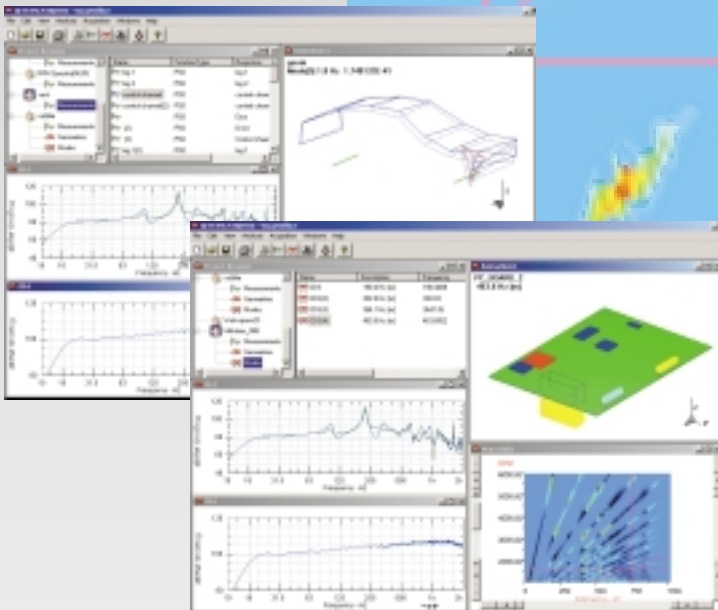


e-Reporter

The New Generation of Test Reporting

- 2D, Waterfall Graphics and Mode Shape Animation
- Active-X Reporting to Microsoft Word™ and Excel™
- Import and Export File Translator

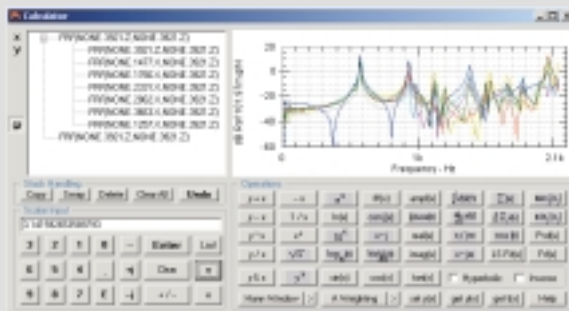
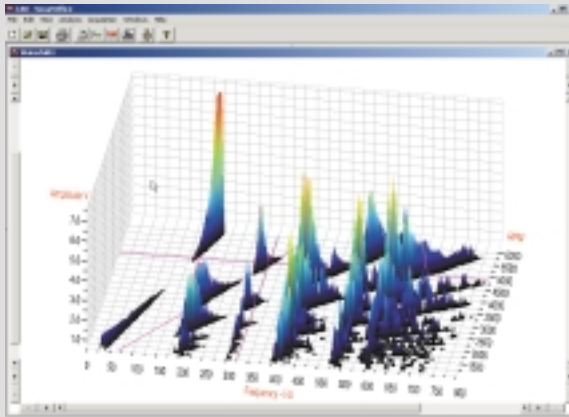
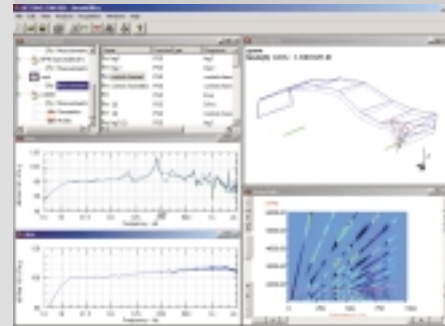




e-Reporter – a SmartOffice Product

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- Fully compliant Microsoft Windows™ program.
- Browse, view, rescale, analyse, calculate, organize measurement and modeshape results.
- Create complex geometries.
- Report measurement and modeshape results in Microsoft Word™, Microsoft PowerPoint™ documents. Customize hardcopy using copy and paste or the automated reporting wizard with predefined templates.
- Automate repetitive tasks with Visual Basic-like user programming.
- Options for Modal Analysis using SDOF and MDOF Wizards.
- Windows user interface requires minimum operator training.
- 2D, Waterfall and Modeshape animation viewers operate identical to Microsoft Excel™ graphs.
- Data can be viewed and analysed without the connection of measurement hardware.
- Quick and large-scale reporting, fully automated.
- Automate repetitive tasks, no new user programming language to learn, Visual Basic-like.



The Browser

The Browser component provides a familiar environment for looking at your test data. Copy and paste information into and from Excel™.

Data Formats

e-Reporter is known for its open format and supports all available open data formats: Universal File Format, m+p VibControl, OROS, MTS I-DEAS Test, MTS RPC, SDF or standard data files, wave files, B&K Pulse and other formats. Upon request, your specific data format can easily be implemented.

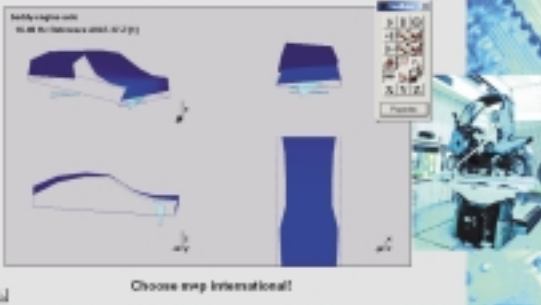
The Viewers

The e-Reporter Viewers allow the user to visualize any sort of engineering test data in 2D, Waterfall and Modeshape formats. The user interface is similar to that found in Microsoft Excel™, PowerPoint™, etc.

The Calculator

The Calculator enables users to perform a number of standard mathematical operations on measured or analysed functions. Single channel or multi-channel operations are supported.

Active Viewers in PowerPoint



The Reporting: Copy and Paste

The Reporting has been developed using the latest Microsoft compliant technology. All obtained graphical results with the e-Reporter Viewers can be copied and pasted directly into Active-X compliant applications, such as Microsoft Word™ and PowerPoint™.

Once imported into these applications, the Viewers stay active empowering the users to find all information at their fingertips, even during a formal presentation. PowerPoint™ presenters can rescale X, rescale Y, change axis type, cursor data and much more.

The Geometry Wizard

This application provides you a step-by-step approach to create a new geometry for the unit under test.

The geometry is made up of one or more components. A component can include nodes, connectivities and surfaces.

Each component has his own origin, direction, color mapping with or without labels. Components can be defined in rectangular, cylindrical or spherical coordinate system.

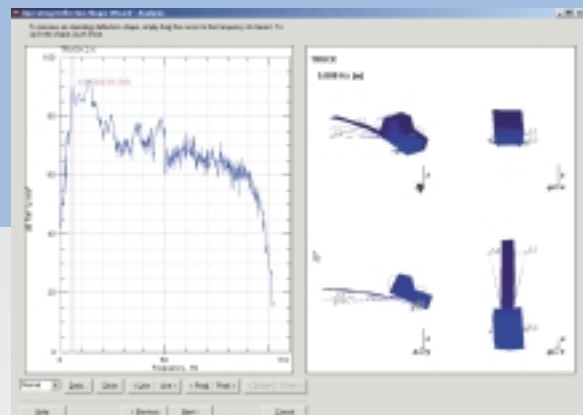
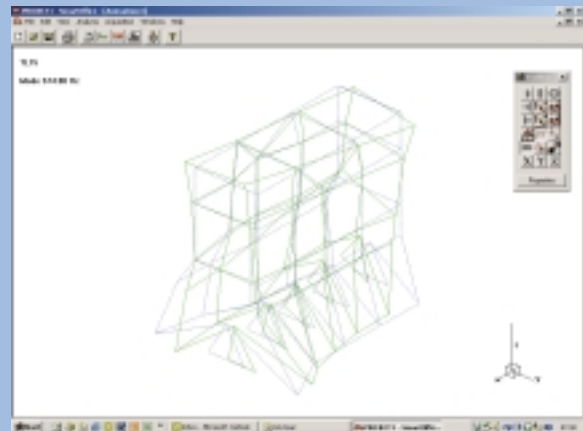
The Operating Deflection Shape Wizard

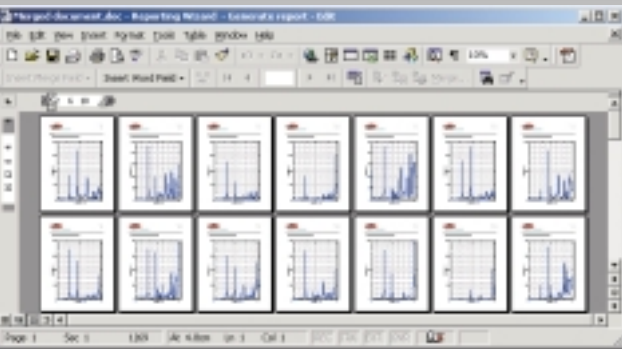
Operating deflection shape analysis is used to visualise how a structure vibrates under steady-state operating conditions. Unlike modal analysis, the input forces are not required.

The source of the data for the analysis can come from time histories, transmissibilities, or cross power functions. If time histories are used as data source, the software will calculate transmissibilities or cross power functions.

This interface allows you to see the data and geometry at the same time thus visualising the operating response of the structure. You can view discrete frequencies or sweep a frequency range.

While the structure is animating you have access to tools for changing the data utilized, storing a mode, moving through the data one line at a time or searching for the "next" peak in the data. All calculations are on-line and very fast.





The Reporting Wizard

This powerful wizard provides endusers a step-by-step approach to automatically report hundreds of measurement functions or modeshapes. A step-by-step procedure includes:

- **Data Source**

Data can be selected from the single active workspace, from all loaded workspaces, from all projects or files which are contained on a specific disc drive including subdirectories.

- **Document Template Selection**

The Reporting wizard allows you to merge your data into a standard Word™ document based upon a user created layout. A standard Word™ template layout needs to be created by the user. This step allows you to select, preview, edit or save Word™ templates and permits the user to automatically insert all header or Metadata information.

- **Query Options**

Not all the data in your workspace needs to be reported. So the data you would like to report is grouped, filtered or sorted, following a specific criteria.

- **Report**

During the last step, your measurement data (graphs, headers, Metadata) are merged into the Word™ template and a Word™ document is automatically created. Each report can be saved as a Word™ document on disc or directly sent to the printer.

The User Programming

User Programming takes automation to new levels with an easy to use macro and user programming capability. From simple macros and Sax Basic to Microsoft Visual Basic™. Users can access standard e-Reporter functions using Visual Basic™, known worldwide as the most popular programming language.

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