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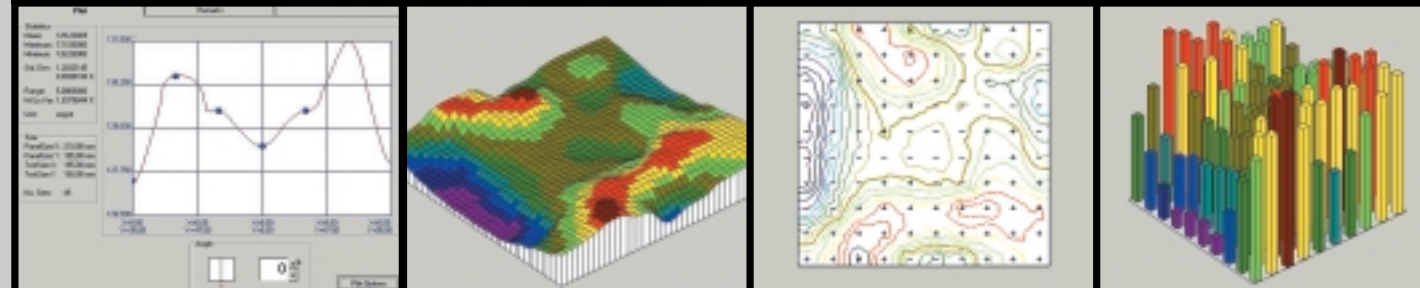
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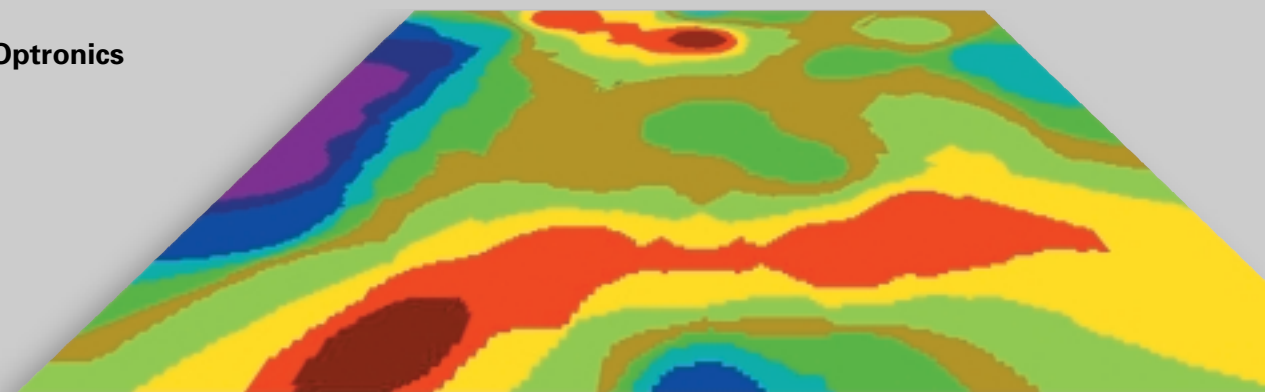
[SUPPORTED IMPORT FORMATS]

ASCII
Filmetrics
SOPRA SE

Additional import formats
can be implemented upon
request.

[IMPORT OF DATA FROM METROLOGY TOOLS THAT DIRECTLY WRITE THE PANELMAP FORMAT]

E+H
ISIS Optronics



ALL OTHER COUNTRIES:

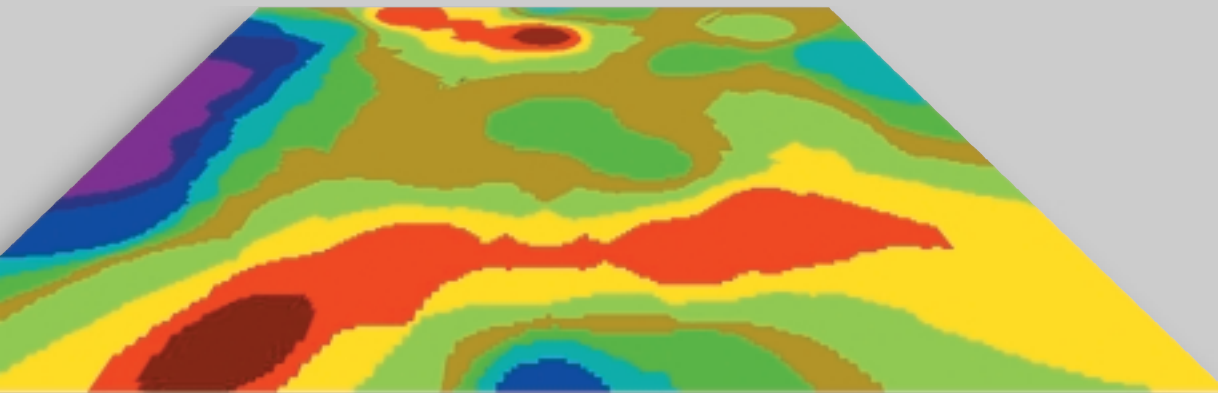
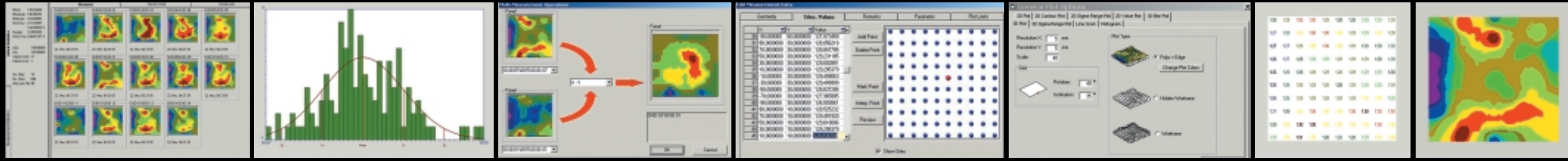
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SYSTEM REQUIREMENTS

- Microsoft Windows 95, 2000 or XP Prof.
- PC fulfilling Microsoft minimum requirements for the specific Windows OS
- VGA (min. 640 x 480)
- 12 MB hard disk space

The PANELMAP Evaluation version is available at no obligation for a 30 day trial period. You can download it from <http://www.boin-gmbh.com>.

A CD-ROM Evaluation version is also available.



PANELMAP is a software package used to collect, edit, analyze and visualize measured physical parameters on rectangular semiconductor panels. PANELMAP can import data files from various metrology tools such as ellipsometers, thickness gauges and four point probes. The imported data can then be visualized or printed as line scans, contour plots, 2D or 3D plots or as a histogram.

Several kinds of operations can be applied to the panel maps such as shifting of the grid in the X or Y direction, rotation, or mirroring the data along the X or Y axis. Global operations such as adding or subtracting a constant or taking the 1st or 2nd derivative can be carried out. A Sigma Filter allows for the elimination of sites that exceed a user-defined range (e.g. measurement errors). In case of missing or invalid sites, a transformation to a standard Cartesian or circular grid can be performed. Different grids can be merged into a single new one. It is also possible to compare different sets of data by adding, subtracting or dividing entire panel maps. Maps can be exported to ASCII data files.

PANELMAP applications typically include map generation for manually operated metrology tools and standardized visualization for different automatic metrology equipment (e.g. different types of four point probes in the same fab). PANELMAP allows users to work off-line and to analyze and edit metrology data outside of the clean room. It is the perfect solution for paperless fabs.

[FEATURES]

+General

- Advanced xml-based Boin multi-column multi-panel file format
- Loading of multiple columns and panels at once
- Configurable 1D- (line scan), 2D- (contour or colored), 3D- (solid or wire frame), 3D bar chart-, value-, and sigma range plots
- Multicolor contour plot
- Statistical analysis (histogram, calculation of mean, standard deviation, max, min, etc.)
- Import functions for data from different metrology tools (see page 1)
- Import of data from metrology tools that directly write the PANELMAP file format (see page 1)
- Other import functions (e.g. ASCII files)
- Export of *.jpg and *.bmp files
- Export into *.html file format
- Definition of any site pattern using a graphic editor
- Automatic generation of Cartesian or circular site patterns
- Extensive on-line help and HTML based user manual

+SPC

- Trend charts
- Trend lists
- X-Y-plots of statistical values
- Global statistics ("All points, all panels")
- Browser
- Trend charts and lists can be sorted by any criterion (date & time, mean, max, min, std. dev. etc.)
- Stacked maps
- Operations with files

+Operations

- Global operations (add, subtract, divide, square, square root, etc.)
- 1st and 2nd derivative of a map
- File compare operations (add, multiply, ratio, average, etc.)
- File operations are applicable to files with different site distributions
- Shift (X and Y direction) and rotation of grids
- Mirroring of maps along the X and Y axis
- Multiple files can be open simultaneously
- Multiple views of a single file can be selected and displayed simultaneously
- Multiple views can be printed on a single sheet, printouts are configurable

+Communication/Linking

- Inter-application communication via DCOM (ActiveX server)

[LICENSES]

+PANELMAP for Windows Stand Alone licenses

PANELMAP for Windows EDUCATIONAL: includes all graphics

PANELMAP for Windows ADVANCED: includes all graphics, "Compare", "Operations", and "SPC"

PANELMAP for Windows PROFESSIONAL: includes all graphics, "Compare", "Operations", "SPC", "Import", and "Export"

+PANELMAP for Windows other licenses

PANELMAP for Windows PROFESSIONAL Network License:

PANELMAP for Windows PROFESSIONAL Site License

PANELMAP for Windows OEM Solutions

