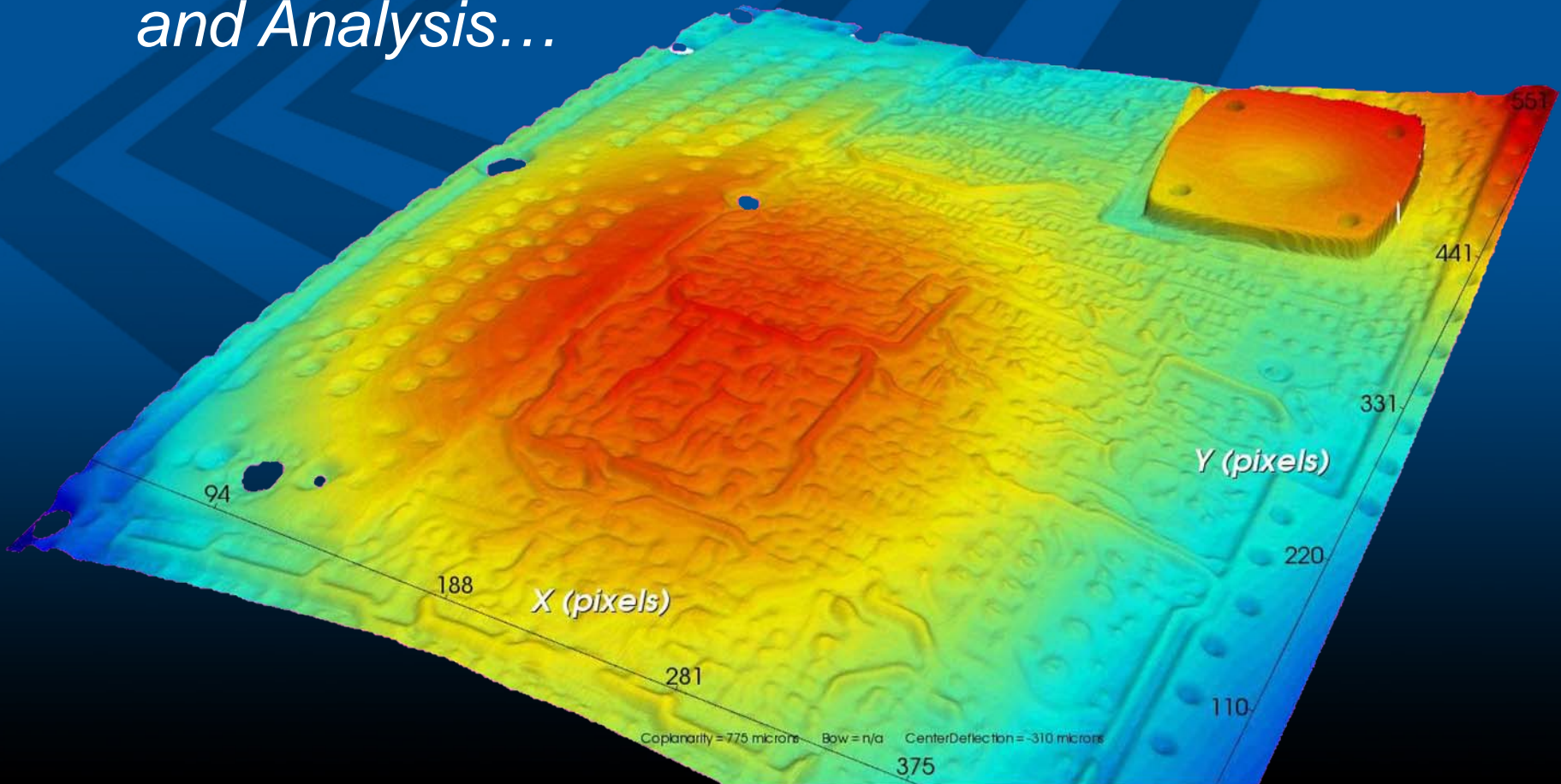


The Next Generation in Surface Measurement and Analysis...



Akrometrix Studio Software Overview

Akrometrix Studio Software delivers a unique modular metrology solution that enables measurement, analysis and reporting of surface shape and deformation through temperature cycles.

Data acquisition is performed with the Akrometrix Studio Surface Measurement module. Process temperature is controlled by Akrometrix Studio Thermal Profiler.

Data processing is performed with Akrometrix Studio Surface Analysis. Akrometrix Report Generator enables the creation of standard 3D and 2D displacement results.

Optional modules provide additional measurement techniques fully integrated with Akrometrix Studio.

Akrometrix Studio Profile Generator

- *Graphical interface for creating thermal profiles*
- *Profile details saved in phase image metadata*
- *Flexible thermal profile creation options*
 - *Draw profiles with a mouse*
 - *Enter numbers for heating rates, soak times and ramp times*
 - *Import existing .txt profiles*

Akrometrix Studio Surface Measurement

- *4x the PS400's data collection capability*
 - *Up to 1.4 million measurements per ROI*
 - *Increased XY resolution reveals micron level surface detail*
- *Automatic 3D preview of phase image result ensures proper set up and phase image quality*
- *'Always On' live camera view simplifies sample setup*
- *Allows 3D graph results comparison before starting thermal processing*

Akrometrix Studio Surface Measurement

- *Accuracy Check capability allows step height between two surfaces to be measured to verify calibration*
- *Software controlled camera exposure*
- *Absolute and relative sample height control at variable speeds*
- *Dark/saturated pixel display for optimized light distribution*

Akrometrix Studio Thermal Profiler

- *Four pane window displays all relevant profile data on the same view*
 - *Profile graph with up to 8 thermocouples*
 - *Profile table with graphical auto pause feedback*
 - *Live view*
 - *Phase Image/3D Surface Preview*
- *Graphical and numerical results are displayed immediately after acquisition*
- *Tabbed data windows enable test vehicle measurement, motion monitoring and review*

Akrometrix Studio Surface Analysis

- *Enhanced Partition and Mask shape creation capabilities including circles, triangles and diamonds*
- *Ability to rotate phase images by any angle from 0°-180°*
- *View and export phase intensity images*
- *Create and position both masks and partitions utilizing the sample 'Surface Image'*
- *Chord Enhancement*
 - *Unlimited 'User-defined' chords per 2D graph*
 - *Additional pre-defined chord plots including vertical and horizontal centerlines and edges*

Akrometrix Studio Surface Analysis

- *‘Shift’ Phase Image adjustment compensates for sample movement during thermal profiling*
- *User display configurations can be saved and loaded*
- *Multiple window interface enables multi-tasking and side-by-side comparison*
- *Additional measurement gauges including two signed warpage options*
- *Copy, paste, save and load masks and partitions*

Akrometrix Studio Surface Analysis

- *Up to 1.4 million 3D displacement points per graph*
- *Enhanced image rotation and zoom display*
- *Enhanced Batch Processing*
 - *Improved user interface*
 - *Improved Mask and Crop*
 - *Additional gauge options*
- *2nd and 3rd Order Polynomial Fit options that allow displacement data approximation and smoothing*
- *Metadata test detail stored with each phase image*

Akrometrix Studio Customer Applications

- *Research and Development*
- *Reliability Testing*
- *FEA Model Validation*
- *New Product Introduction*
- *Manufacturing QA/QC*
- *Manufacturing Process Optimization*

Akrometrix Studio Software Modules

Core Studio Modules:

- *Studio Manager*
- *Profile Generator*
- *Surface Measurement*
- *Thermal Profiler*
- *Surface Analysis*
- *Report Generator*

Optional Studio Modules:

- *Micro Fringe Projection Surface Measurement*
- *Digital Image Correlation Surface Measurement*