Studio Software Update 8.3.1 – Release Notes

<u>Optional Patch Release</u>

Previous Studio Release: 8.3
Supported Equipment PC: Z97, Z170
Offline Studio Operating System: Windows XP (Service Pack 3) or higher; extensive testing specifically performed on Win 7 32/64 bit and Win 10 64 bit

Summary:

Files created prior to Studio 8.0 will not be readily usable with the Automated Report Generator feature. Important bug fixes and added features are listed below. This list does not include all resolved bugs and added features. As this is an optional release, only customers expecting to benefit from the listed additions are recommended to install.

Update Procedure:

Install Studio 8.3

Download and Unzip the Studio Installer zip file. Install all applications for Studio 8.3.1 by launching the provided file "Akrometrix Studio 8.3.1 Installer x86[or x64].exe". Uninstalling older Studio applications is not required prior to launching this file, as this will be done automatically. Take note to only install the x86 version for 32 bit systems and x64 for 64 bit systems.

Key Feature Changes or Additions:

Shape Name Gauges

A new gauge will take 3D surfaces and classify them into 9 different named category based on curvature as defined by their 2nd order surface fit parameters. The shape names are defined using the following abbreviations:

Bowl = BO

Complex or Flat = CF

Dome = DM

Downward Twist = DT

Upward Twist = UT

X Pipe = XP

X Saddle = XS

Y Pipe = YP

Y Saddle = YS

Surface Analysis

- o Grid lines have been added back into gauge tables created in ARG. The gauge tables have also been centered. The lines were originally taken out when compressing more columns into the gauge reports. The density of columns was kept but the grid lines were returned and centered based on customer feedback on this appearance option. Larger numbers are also truncated and show fewer significant digits.

- o Intensity images can now be saved in batch processing outputs

- o Added "Calculative Relative Data" to batch analysis results context menu. This feature of relative plots was previously only available via double-click and not obvious to the user.

Key Bug Fixes:

- *Profile Generator*

    o Improved handling of loading older profiles

    o Resolved exception created when editing acquisition including nominal temperature

    o Resolved "Invalid acquisition parameter" found when copying and pasting rows

    o Updated numerous message boxes for more details on multiple actions steps

- *Surface Measurement*

    o Improved interface of RTA when removing gauges from regions

    o Resolved error sometimes created in Part Tracking File->Save/Load

    o Resolved issue on seeing results when all gauges are removed from a region

    o Resolved issue with units displaying in mils when microns are chosen option for some cases

    o When canceling an edited recipe and saying "No" to "Discard Changes" the "Ok" button is no longer locked out

    o Part Tracking Naming settings are now correctly assigned when loading an akx_track file

    o Addressed errors with "Close All" function and multiple .disp files.

- *Thermal Profiler*

    o Various interface improvement for the Sub-Room and CRE6 modules on AXP 2.0

    o Fixed errors with Manual Profiling using TC2 or when used on fresh installs prior to an input profile upload

    o Inactive thermocouples are correctly represented in table and output files

Known Issues:

- A small indicator sphere for the location of Pin 1 can be added to individual surface images. This function is not available in batch, and the solution is not fully realized in the software.

Versions (listed for reference):

Studio Manager	7.6.12716
SurfaceMeasurement	8.3.12716
SurfaceAnalysis	8.3.12716
ProfileGenerator	7.8.12716
Report Generator	7.4.8202
FileConverter	7.5.12716
LicenseUtility	7.5.12716
User Manuals Studio	Studio 8.3