

# **Sandia MEMS Visualization Tools 2.2.5 Update**

## **INTRODUCTION**

This update is intended for use with the Sandia Advanced MEMS Design Tools 2.2.5 Update and the Sandia Visualization Tools. You must have the MEMS Design Tools installed before this update will function correctly. It will either add or update the Visualization Tools.

Your serial number, supplied with your Visualization Tools CD is required.

This update is inclusive and can be applied to the Sandia MEMS Visualization Tools 2.2, 2.2.2, 2.2.3 or 2.2.4.

## **CONTACTS**

For information regarding this update, please send email to [drt@drc.sandia.gov](mailto:drt@drc.sandia.gov).

## **SYSTEM REQUIREMENTS**

The following minimum system requirements must be met to effectively run this CD:

CPU:	Pentium IV or better
Clock Speed:	3.0 GHz or faster
Memory:	2 GBytes
Hard Drive:	2 GB free of disk space
Operating System:	Windows XP, Windows XP x64, or Vista
Graphics Card:	Nvidia card recommended 128MB OpenGL-capable graphics card 24 Bit or True Color Mode
Monitor Resolution:	1280 X 1024 or higher
Software:	AutoCAD 2007 - 2010 Microsoft Internet Explorer 7.0 Sandia Advanced MEMS Design Tools 2.2.5 Sandia Visualization Tools 2.2, 2.2.2, 2.2.3, or 2.2.4

These specifications are the same as those recommended for AutoCAD 2010. Some portions of the software will run on systems with lesser specifications with reduced performance.

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# RELEASE NOTES

Version 2.2.0 01/07/04

Major revision to support AutoCAD 2004

Version 2.2.2 09/22/05

Updated for use with AutoCAD 2006.

Improved 2D Visualizer intersection extraction.

Added support for MMPoly0\_cut layer.

Updated documentation.

Version 2.2.3 01/26/07

Updated for use with AutoCAD 2007.

Added PLANAR\_ETCH (replacing PLANAR\_DEP) to 2D Visualizer.

Added support for PTNMetal and PTNMetal\_cut layers.

Updated documentation.

Fixed hour-glass bug in 2D Visualizer.

Version 2.2.4 02/27/08

Updated VBA interfaces for use with AutoCAD 2008/2009 64-bit.

Updated 2D Visualizer to improve overlapping vertex detection and wet etch coverage. Added feature to load a non-standard process and documented the process definition file.

Added PLANAR\_ETCH (replacing PLANAR\_DEP) to the 3D Modeler.

Updated menus to support large icons.

Version 2.2.5 09/30/09

Updated AutoCAD macros to work with Microsoft Update KB960715.

Added support for AutoCAD 2010.

Fixed 2D Visualizer bug that crashed when filenames were greater than 40 characters.

Removed obsolete component 3D\_SNL\_BONDPAD\_C00.

Replaced 3D\_SNL\_PandP\_BONDPAD24\_A00 with 3D\_SNL\_PandP\_BONDPAD24\_B00.

Added 3D\_SNL\_PandP\_BONDPAD48\_A00.