

# SYSTEM REQUIREMENTS FOR GEOMAGIC SOLUTIONS SOFTWARE

System requirements for Geomagic Freeform, Freeform Plus, and Sculpt are found on the last page.

	32-bit Edition*	64-bit Edition
<b>OS</b>	<ul style="list-style-type: none"> <li>Windows 7</li> <li>Windows 8</li> </ul> <p><b>Notes:</b> Configurations using Virtual environments, including parallels, are not supported</p>	<ul style="list-style-type: none"> <li>Windows 7</li> <li>Windows 8</li> <li>Windows 10 (Design, Control, Wrap)</li> </ul> <p><b>Notes:</b> Configurations using Virtual environments, including parallels, are not supported</p>
<b>CPU</b>	<ul style="list-style-type: none"> <li>Intel® and AMD® processors with a minimum 2 GHz clock speed*</li> <li>Recommended: Multiple core processors. Hyperthreading and clock speeds above 3 GHz can be beneficial but should be paired with a good balance of cores.</li> </ul>	
<b>RAM</b>	<ul style="list-style-type: none"> <li>Minimum: 4 GB</li> </ul>	<ul style="list-style-type: none"> <li>Minimum: 8 GB</li> <li>Recommended: 16+ GB (Based on version of Windows used)</li> </ul>
<b>Hard Disk</b>	<ul style="list-style-type: none"> <li>30 GB or more recommended</li> <li>Temporary file cache requires about 3 GB free disk space for every 100 million points</li> <li>Recommended: a SSD with more than 256GB of space or a 10000 RPM HDD</li> <li>Recommended for 3D Scanning products: using multiple hard drives and assigning one as a “cache” drive for temporary storage and paging files and assigning the other for the operating system</li> </ul>	
<b>Display</b>	<ul style="list-style-type: none"> <li>OpenGL 3.0 or above, 32 bit true color required</li> <li>Minimum resolution: 1280 x 960</li> <li>Recommended resolution: 1280 X 1024 or higher</li> </ul>	
<b>GPU</b>	<ul style="list-style-type: none"> <li><b>Design Recommended Graphics Cards</b></li> </ul> <p><b>Recommended:</b> Dedicated (Non-Integrated) Graphics Card that meets the criteria below: Video Card RAM: 512MB Video Card Framework: Must support DirectX 9.0c or above and OpenGL 3.0 or above Series: NVIDIA Quadro</p>	

\* 32-bit versions of all products are discontinued as of October 2015.



**PHONE** (434) 946-9125  
**EMAIL** sales@gomeasure3d.com  
**WEB** www.gomeasure3d.com

	32-bit Edition*	64-bit Edition
<b>GPU</b>	<ul style="list-style-type: none"> <li> <b>Control, Wrap, Studio, Capture, and Design Direct Recommended Graphics Cards</b>  <b>Recommended:</b>  Dedicated (Non-Integrated) Graphics Card that meets the criteria below:  Video Card RAM: 2GB or More  Video Card Framework: Must support OpenGL 4.0 or above  Series: NVIDIA Quadro  <b>Notes:</b>  Using a non-recommended card may result in random crashing, graphical anomalies, or data corruption. Use of any non-recommended configuration at your own risk. </li> <li> <b>Design X, Verify, and XOS Recommended Graphics Cards</b>  <b>Recommended:</b>  Dedicated (Non-Integrated) Graphics Card that meets the criteria below:  Video Card RAM: 2GB or More  Video Card Framework: Must support OpenGL 4.0 or above  Series: NVIDIA Quadro or NVIDIA GeForce  <b>Notes:</b>  If you use the AMD Radeon series, the panning or rotation in the application might not operate correctly. To solve this problem, uncheck the Use Custom Settings option under 3D &gt; Standard Settings in the Catalyst Control Center dialog box and move the slider to the left.   It is recommended to set the anti-aliasing value lower than 8. Otherwise, detection of 3D edges may not work properly or there may be problems with panning or rotating within the application. If anti-aliasing is disabled, the edges and boundaries of shaded objects can be jagged if displayed at angles close to 0 or 90 degrees. </li> </ul>	
<b>Other</b>	<ul style="list-style-type: none"> <li>3 button mouse with scroll</li> <li>Sound card</li> <li>Keyboard</li> <li>Network card</li> <li>Internet Explorer version 7.x or higher</li> <li>Adobe Acrobat/Reader version 5.x or higher</li> <li>Microsoft Office 2003, 2007 or 2010 for reporting tools</li> <li>Microsoft Windows Installer 3.0</li> <li>Microsoft DirectX 9.0c or later</li> <li>Microsoft .NET 4.0 or 4.5 Framework</li> </ul>	

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# SYSTEM REQUIREMENTS FOR GEOMAGIC FREEFORM, FREEFORM PLUS & SCULPT

	32-bit Edition	64-bit Edition
<b>OS</b>	<ul style="list-style-type: none"> <li>Windows 7</li> </ul> <p><b>Note:</b> Version v2015.0 is the last release that 3D SYSTEMS supports the 32-bit installer of Geomagic Freeform, Freeform Plus and Sculpt.</p>	<ul style="list-style-type: none"> <li>Windows 7</li> <li>Windows 8</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>Dual Xeon®: Pentium®: IV 2.4 GHz or better processor</li> </ul>	<ul style="list-style-type: none"> <li>(2) Intel Dual-Core Xeon (Woodcrest) 5150/2.66 GHz, 4MB L2, 1333 MHz FSB or better</li> </ul>
<b>RAM</b>	<ul style="list-style-type: none"> <li>Minimum: 4 GB</li> </ul>	<ul style="list-style-type: none"> <li>Minimum: 8 GB</li> </ul>
<b>Hard Disk</b>	<ul style="list-style-type: none"> <li>Minimum: 4 GB</li> </ul>	
<b>Display</b>	<ul style="list-style-type: none"> <li>Minimum resolution: 1280 x 960</li> </ul>	
<b>Graphics</b>	<ul style="list-style-type: none"> <li>OpenGL 3.0 or above</li> <li>For more details, please click <a href="#">here</a>.</li> </ul>	
<b>Devices</b>	<p>Applications can make use of the following devices:</p> <ul style="list-style-type: none"> <li>Touch 3D Stylus</li> <li>Geomagic Touch</li> <li>Geomagic Touch X</li> <li>PHANToM Omni</li> <li>PHANToM Desktop</li> </ul>	
<b>Other</b>	<ul style="list-style-type: none"> <li>Click <a href="#">here</a> for a list qualified computer configurations</li> </ul>	