



# SolidWorks 2018 System Requirements

## This applies to:

- Civil Engineering Technology
- Construction Engineering Technician
- Mechanical Engineering Technician
- Mining Engineering Technician

Here are a few tips on selecting your next SolidWorks system:

<https://www.solidworks.com/sw/support/SystemRequirements.html>

<https://www.mcad.com/solidworks-topics/solidworks-2017-system-requirements/>

<b>Operating System</b> Supported Systems:	<ul style="list-style-type: none"> <li>• Windows 10, 64-Bit</li> <li>• Windows 8.1, 64-Bit</li> <li>• Windows 8.0, 64-Bit</li> <li>• Windows 7 SP1, 64-Bit</li> </ul> <b>Not Supported Systems:</b> <ul style="list-style-type: none"> <li>• Vista Business x64 SP2</li> <li>• XP x64</li> <li>• 32-bit Windows</li> </ul>
<b>RAM</b>	64 bit: 8 GB, or more - recommended for large assembly work and Simulation.
<b>Video Card</b>	<ul style="list-style-type: none"> <li>• A SolidWorks certified OpenGL workstation card with 2GB of RAM - recommended</li> <li>• A SolidWorks certified OpenGL workstation card with 1GB of RAM - minimum requirement</li> <li>• Visit <a href="http://www.solidworks.com/sw/vidocardtesting.html">www.solidworks.com/sw/vidocardtesting.html</a> (<a href="http://www.solidworks.com/sw/vidocardtesting.html">http://www.solidworks.com/sw/vidocardtesting.html</a>) for a list of certified cards and drivers.</li> <li>• Nvidia Quadro or AMD FirePro.</li> <li>• Intel integrated graphics and gaming cards (Nvidia GeForce and AMD Radeon) are not certified and not recommended.</li> <li>• Quadro NVS are not recommended; they are 2D only cards.</li> <li>• While a certified video card is important SolidWorks is a CPU bound application, you'll see more performance gains from a faster CPU.</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>• Current generation Intel or AMD with SSE2 support processor</li> <li>• 64-Bit operating system required</li> <li>• The Intel i7 Sandy Bridge series are the fastest CPU's today.</li> <li>• SolidWorks will take advantage of multi core and multi CPU architectures. Typically these processors give about a 10-15% increase in performance.</li> </ul>
<b>Hard Drive</b>	<ul style="list-style-type: none"> <li>• 7200 RPM SATA minimum.</li> <li>• RAID 0 configuration if drive speed is critical.</li> <li>• SSD (solid state drive) if speed is critical.</li> </ul>
<b>Laptops</b>	Very few laptops that have the graphics cards for SolidWorks: <ul style="list-style-type: none"> <li>• Dell Precision mobile workstations.</li> <li>• HP EliteBook mobile workstations.</li> <li>• Lenovo Thinkpad W series.</li> </ul>
<b>Microsoft Products</b>	Internet Explorer: IE 9, 10, 11 Excel and Word: 2010, 2013, 2016