



**EXPERIENCE SOLIDWORKS  
WITHOUT LIMITS  
NVIDIA® QUADRO®**

**UPGRADE THE QUALITY OF YOUR DESIGN EXPERIENCE,  
WITHOUT SACRIFICING PERFORMANCE**

The latest Quadro graphics cards take advantage of **NVIDIA Kepler™** architecture to give you exceptional performance in all SolidWorks design modes so they're guaranteed to work perfectly from day one.

Visit [www.nvidia.com/solidworks](http://www.nvidia.com/solidworks) to view videos of how Quadro lets you simulate models to see exactly what you've designed before the first prototype is built. You'll also find side-by-side comparisons, case studies, and tips for choosing the right GPU.

**Realize huge performance gains.**

NVIDIA works closely with SolidWorks and users like you to develop tools that mimic how you use your models. This gives you a more accurate representation of how SolidWorks will perform based on which GPU is used.

You can see dramatic performance improvement in all design modes compared to previous generations. This includes everything from component design—where you use edges the most—to large assembly design, where turning on edges is a real-time performance display choice. So, go ahead and enable Shaded with Edges, Shadows, or FSAA to better express your vision.

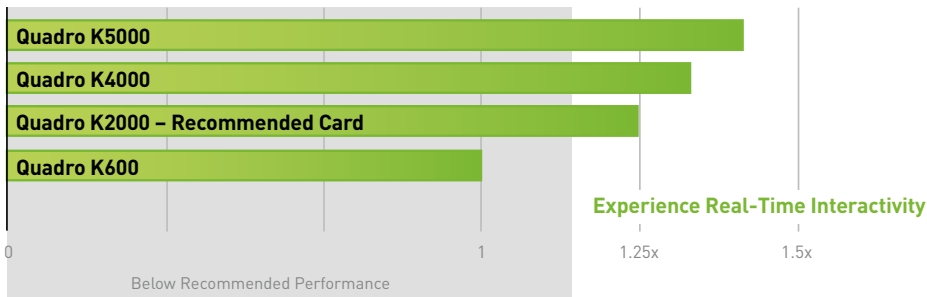
**Use eDrawings in stereoscopic 3D.**

Everyone knows how valuable eDrawings is for sharing native SolidWorks files for design or marketing reviews. Now, you can truly represent your design for customers and managers in astounding detail with stereoscopic 3D. Visit our SolidWorks **eDrawings** page to find out more.



Visit [www.nvidia.com/edrawings](http://www.nvidia.com/edrawings) to learn how to enable stereo 3D

**SOLIDWORKS BENCHMARK RESULTS\***  
Relative Performance



## Enjoy superior, real-time photorealistic rendering.

**NVIDIA Maximus™** accelerates Bunkspeed to deliver the most remarkable, lifelike models in a fraction of the time. Bunkspeed is an interactive ray-tracing application that harnesses the immense processing power of NVIDIA GPUs. With an amazingly easy-to-use intuitive interface, Bunkspeed quickly and accurately simulates the physical world, so you don't have to. Plus, it easily integrates with SolidWorks Standard or Premium, so you get a seamless workflow from design to photorealistic imagery without any data loss.

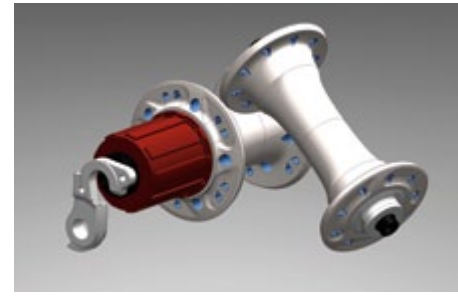


Bunkspeed integrates into SolidWorks for a seamless workflow.

Creating and sharing photorealistic models has never been easier or faster, whether rendered on your local machine or in the private or public cloud. For more information about Bunkspeed, go to [www.bunkspeed.com](http://www.bunkspeed.com).

## Get enhanced image quality within SolidWorks.

Unlike consumer gaming cards, Quadro professional graphics solutions enable RealView and full scene antialiasing (FSAA). Your 3D models quickly come to life and interact with their environments. You can assign various appearances and scenes, change materials, textures, or surroundings and your model will instantly appear the way a real-world item should. By enabling FSAA, jagged edges are removed from contours of geometries for smoother, more realistic models.



**Standard 3D Mode (Realview, FSAA turned off)**  
Image is void of real-world reflections and textures. Jagged edges are visible.



**Standard 3D Mode (Realview, FSAA turned on)**  
A more realistic and detailed model. Shadows, reflections, and textures appear as they would in real life. Edges are also smoother.

## Which Quadro is right for me?

Quadro Solution	Quadro K5000	Quadro K4000	Quadro K2000
SolidWorks Usage	Large assemblies (>2000 components) with complex parts	Large assemblies (>2000 components) with simple parts Small assemblies (<100 components) with complex parts	Small/medium assemblies (100-500 components) with simple parts
GPU Memory	4 GB GDDR5	3 GB	2 GB
Replaces	Quadro 5000 Quadro FX 4800 Quadro FX 4600	Quadro 4000 Quadro FX 3500 Quadro FX 3700 Quadro FX 3800	Quadro 2000 Quadro FX 1500 Quadro FX 1700 Quadro FX 1800



**NVIDIA® Maximus™**. Workstations with the latest NVIDIA Maximus technology provide SolidWorks users with even greater graphics and computational performance. You get incredibly fast and surprisingly cost-efficient ways to perform accurate CAE simulations or photorealistic renders while still working in SolidWorks. All right at your desktop.

To learn more, visit [www.nvidia.com/solidworks](http://www.nvidia.com/solidworks) or [www.nvidia.com/maximus](http://www.nvidia.com/maximus)

<sup>1</sup> NVIDIA benchmarks run on Windows 7 64bit, 32Gb RAM, Xeon 3.1Ghz (E5 2687W). Large Assembly, includes models with 500 to 6000 components. Primary display mode is Shaded.

