PTC Creo® Parametric™ empowers designers to work in a more immersive modeling environment.

As a result of the strategic partnership with PTC, NVIDIA technology enables realistic materials (metals, glass, plastics, etc.) that are closely matched to final renderings. GPU-accelerated performance for ambient occlusion, active component display, and order independent transparency, helps PTC Creo users experience enhanced productivity when orienting models and improved usability in assemblies. If you are transitioning to PTC Creo, you’ll want NVIDIA® Quadro® GPUs to take full advantage of performance scaling in addition to the new graphics capabilities.

**Image Quality**
Quadro GPU solutions with PTC Creo Parametric help eliminate visual artifacts so you can work with the most intricate design details—without sacrificing performance. Up to 32x full-scene anti-aliasing (FSAA) dramatically reduces jagged edges (“jaggies”) in real-time at high resolutions, so you can see your designs with smooth, accurate edges. With Quadro powering PTC Creo Parametric’s shaded-with-edges mode you get insights into your designs without sacrificing performance.

**Performance**
The latest Quadro graphics cards provide exceptional performance in Creo. NVIDIA Quadro GPUs free up CPU resources to do the work they’re best suited for – I/O, running the operating system and multi-tasking. With built-in memory and dedicated graphics processing, Quadro professional graphics deliver rich, fully interactive performance.

Increased graphics performance required by new technologies such as 4K monitors and Virtual Reality for professional design workflows, is leading designers to demand the power and reliability of Quadro GPUs more than ever.

**NVIDIA GRID**
When working with their design and engineering tools, PTC Creo users demand a great visual experience. However, until recently, the benefits of graphics virtualization weren’t accessible to designers and engineers at manufacturing companies because a satisfactory user experience with their 3D product design software simply wasn’t possible in a virtualized IT environment. With NVIDIA GRID™ technology, Creo users can leave behind unacceptable levels of lag and display degradation and fully leverage all the benefits of accelerated 3D graphics virtualization.

NVIDIA GRID is the first virtualized GPU that delivers a true PC experience from the cloud.

**Certification**
All NVIDIA professional graphics solutions are certified and tested by PTC and NVIDIA, so they’ll work perfectly from day one. Use Quadro certified drivers for PTC Creo Parametric for performance and stability you can depend on.
RECOMMENDED GRAPHICS SOLUTIONS FOR PTC CREO*

**USAGE**

<table>
<thead>
<tr>
<th>For Desktop Workstations</th>
<th>Quadro P2000</th>
<th>Quadro P4000</th>
<th>Quadro P5000</th>
</tr>
</thead>
</table>

**GPU MEMORY**

- Small to medium assemblies with simple parts: 5 GB GDDR5
- Large assemblies with simple parts or small assemblies with complex parts: 8 GB GDDR5
- Large assemblies with complex parts: 16 GB GDDR5X

**REPLACES**

- Quadro M2000
- Quadro M4000
- Quadro M5000

**For Mobile Workstations**

<table>
<thead>
<tr>
<th>Quadro P3200</th>
<th>Quadro P4200</th>
<th>Quadro P5200</th>
</tr>
</thead>
</table>

**GPU MEMORY**

- Small to medium assemblies with simple parts: 6 GB GDDR5
- Large assemblies with simple parts or small assemblies with complex parts: 8 GB GDDR5
- Large assemblies with complex parts: 16 GB GDDR5

**REPLACES**

- Quadro M3000M
- Quadro M4000M
- Quadro M5000M

* Please contact your software provider for the latest information on application certifications and support.
To learn more, visit [www.nvidia.com/creo](http://www.nvidia.com/creo)

NVIDIA GRID enables multiple users to access the power of a single GPU without compromising their graphics experience.

**NVIDIA QUADRO GPUs FOR DESKTOP WORKSTATIONS**

PTC CREO

Quadro P5000
Quadro P4000
Quadro P2000

**NVIDIA QUADRO GPUs FOR MOBILE WORKSTATIONS**

PTC CREO

Quadro P5200
Quadro P4200
Quadro P3200

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PTC and NVIDIA invest heavily in certifying NVIDIA professional graphics solutions with PTC Creo to ensure customers get the performance and stability they expect. As part of the PTC Creo Certification Program, NVIDIA professional graphics solutions are thoroughly tested, specifically for the current release. For the latest updates on software certifications and support, please visit the PTC Creo platform support website.