



PTC CREO AND NVIDIA THE CLEAR CHOICE

PTC Creo® Parametric™ 3.0 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. With improved GPU-accelerated performance for ambient occlusion, active component display, and order independent transparency, PTC Creo 3.0 users will 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 3.0 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.



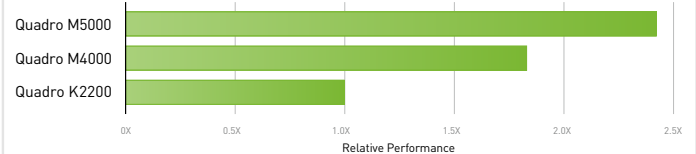
NVIDIA GPUs help designers visualize realistic models in their Creo viewport without waiting for final rendering

Performance

The latest Quadro graphics cards provide exceptional performance in Creo 3.0. 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.

NVIDIA Quadro for Desktop Workstations

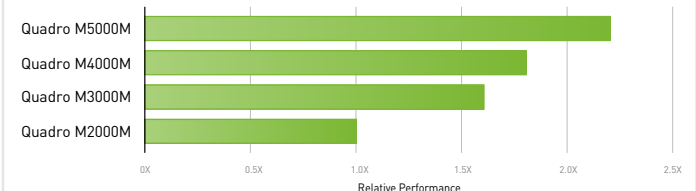
PTC CREO PERFORMANCE



Tests run on a workstation with Intel Xeon 2.6GHz, 32GB RAM, running Win 7 64-bit SP1, driver version 347.25. Performance testing completed with publicly available SPECviewperf® 12 benchmark information.

NVIDIA Quadro for Mobile Workstations

PTC CREO PERFORMANCE



Tests run on Intel Core i7-4790S 3.2GHz (4GHz Turbo), 8GB RAM, Win 7 64-bit SP1 and driver version 353.82. Performance testing completed with publicly available SPECviewperf® 12 benchmark information.

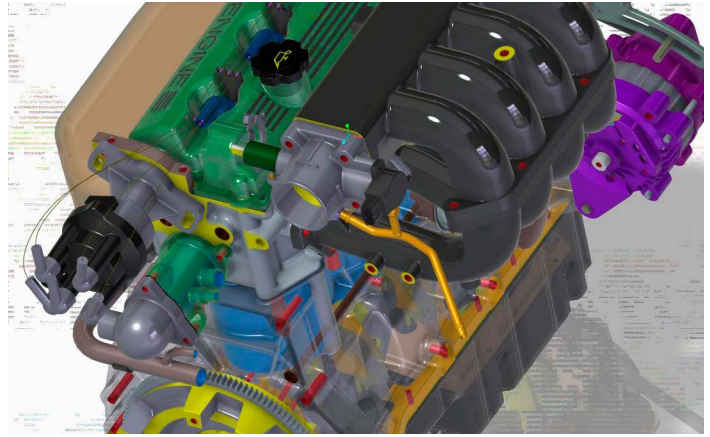
NVIDIA GRID

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. Now, with NVIDIA GRID™ vGPU™, Creo users can leave behind unacceptable levels of lag and display degradation and fully leverage all the benefits of virtual desktop infrastructure.

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.



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

RECOMMENDED GRAPHICS SOLUTIONS FOR PTC CREO

USAGE	Small to medium assemblies with simple parts	Large assemblies with simple parts or small assemblies with complex parts	Large assemblies with complex parts
For Desktop Workstations	Quadro K2200	Quadro M4000	Quadro M5000
GPU MEMORY	4 GB GDDR5	8 GB GDDR5	8 GB GDDR5
REPLACES	Quadro K2000 or Quadro 2000	Quadro K4200 or Quadro K4000	Quadro K5200 or Quadro K5000
For Mobile Workstations	Quadro M2000M/M3000M	Quadro M4000M	Quadro M5000M
GPU MEMORY	4 GB GDDR5	4 GB GDDR5	8 GB GDDR5
REPLACES	Quadro K2100M / K2200M or Quadro K2000M / Quadro K3100M or Quadro K3000M	Quadro K4100M or Quadro K4000M	Quadro K5100M or Quadro K5000M

To learn more, visit www.nvidia.com/creo

PTC Creo®

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.