PTC CREO AND NVIDIA
THE CLEAR CHOICE

PTC Creo® Parametric™ 3.0 empowers designers to work in a more immersive modeling environment.
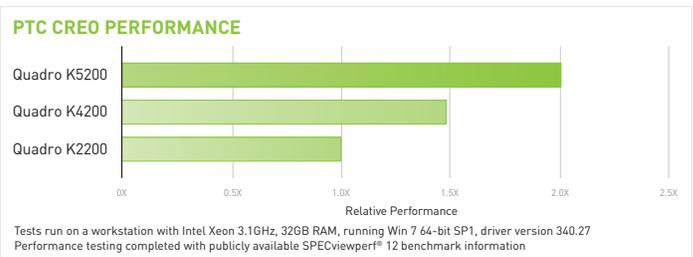
As a result of the strategic partnership with PTC, NVIDIA technology enables realistic materials (metals, glass, plastics, etc.) that are closely matched to final renderings. With improved GPU-accelerated performance for ambient occlusion, active component display, and order independent transparency, 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.

Performance

The latest Quadro graphics cards provide exceptional performance scaling 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.

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. Quadro with PTC Creo Parametric's shaded-with-edges mode provides insight into your designs without sacrificing performance. Parametric's new shaded-with-edges mode provide insight into your designs without sacrificing performance.

PTC CREO PERFORMANCE

	Relative Performance
Quadro K5200	~2.0X
Quadro K4200	~1.5X
Quadro K2200	~1.0X

Relative Performance: 0X, 0.5X, 1.0X, 1.5X, 2.0X, 2.5X

Tests run on a workstation with Intel Xeon 3.1GHz, 32GB RAM, running Win 7 64-bit SP1, driver version 340.27
Performance testing completed with publicly available SPECviewperf® 12 benchmark information

NVIDIA GPUs allow designers to visualize realistic models without waiting for final rendering

NVIDIA QUADRO® AUTHORIZED PARTNER
PNY®

NVIDIA GRID

The experience of traditional VDI is sub-par when compared to what users have come to expect from their native PC. NVIDIA® GRID™ solves this issue by adding a fully virtualized GPU board to the data center. With NVIDIA GRID, enterprise users can enjoy highly responsive windows, multimedia playback, and all of the applications they demand. Also, IT professionals can reduce costs by increasing their data center consolidation ratios and finally, organizations of all sizes can take advantage of the power of GPU-VDI to deliver higher throughput to more users per server—from any device, anywhere, anytime.
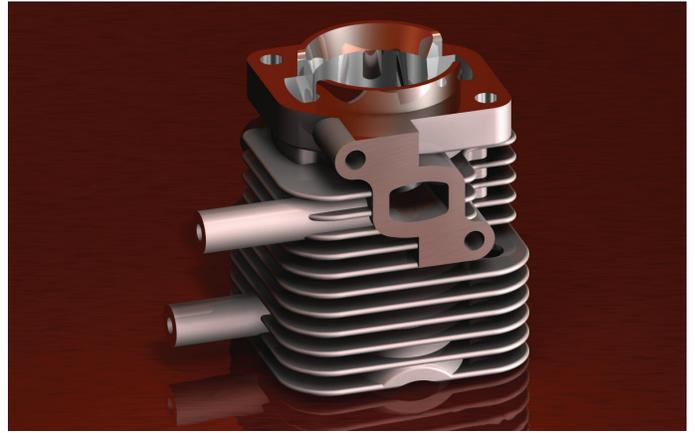
NVIDIA GRID is the first virtualized GPU that delivers a true PC experience from the cloud.

Certification

As always, 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.

PNY's Service and Commitment

PNY offers unsurpassed service and commitment to its professional graphics customers offering: 3 year warranty, pre- and post-sales support, dedicated Quadro Field Application Engineers, and direct tech support hot lines. In addition, PNY delivers a complete solution including the appropriate adapters, cabes, brackets, software installation disc, and documentation to ensure a quick and successful install.

Photorealistic images can be created quickly with NVIDIA solutions.

PNY RECOMMENDS THE FOLLOWING NVIDIA QUADRO GRAPHICS SOLUTIONS FOR PTC CREO

USAGE	Small /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** **PNY PN: VCQK2200-PB**	**Quadro K4200** **PNY PN: VCQK4200-PB**	**Quadro K5200** **PNY PN: VCQK5200-PB**
GPU MEMORY	4 GB GDDR5	4 GB GDDR5	8 GB GDDR5
REPLACES	Quadro K2000 or Quadro 2000	Quadro K4000 or Quadro 4000	Quadro K5000 or Quadro 5000

To learn more about NVIDIA Quadro visit **www.pny.com/quadro**. To determine which Quadro solution is right for you utilize PNY's interactive configurator available at **www.pny.com/configurator**. For all other sales inquiries contact PNY at **gopny@pny.com** or call **888.333.3657**.

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.

NVIDIA.