GRAPHICAL PERFORMANCE BENCHMARKING OF THE NEW AMD FIREPRO V5900 PROFESSIONAL GRAPHICS CARD.

THE PERFECT BALANCE

First graphics card in its class with 2 GB memory and AMD Eyefinity for 3 displays

- 2GB GDDR5 memory (64 GB/s)
- 512 Stream Processors
- DirectX® 11 and OpenGL® 4.2 support
- 2 x DisplayPort 1.2, 1 x DVI outputs
- GeometryBoost
- AMD PowerTune

SPECAPC UGS NX4 GRAPHICS COMPOSITE

118% faster than Quadro 2000 (AMD FirePro V5900 vs Nvidia Quadro 2000)
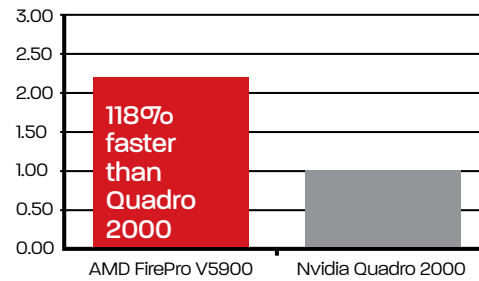
SPECapc UGS NX4 Graphics Composite Benchmark (overall timed score - measured as % faster, Quadro 2000 score normalized to 100%, higher score better)

CATIA CATBENCH INTERNAL 64-BIT R19SP2 COMPLEXMODEL1, SHADED

224% faster than Quadro 2000 (AMD FirePro V5900 vs Nvidia Quadro 2000)
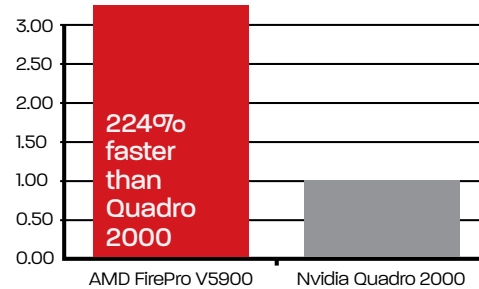
CATIA Catbench Internal 64-bit R19SP2 ComplexModel1, shaded (overall timed score - measured as % faster, Quadro 2000 score normalized to 100%, higher score better)
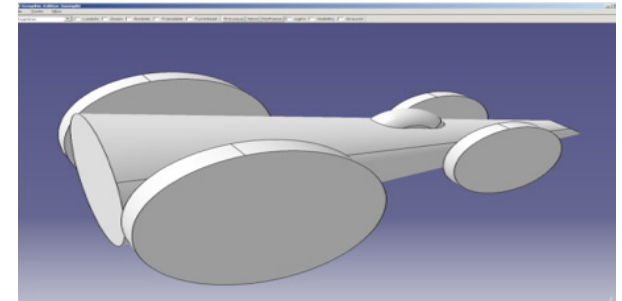
SOLIDWORKS 2011 SP3 (INTERNAL BENCHMARK) EXPLORER MODEL, SHADED

68% faster than Quadro 2000 (AMD FirePro V5900 vs Nvidia Quadro 2000)
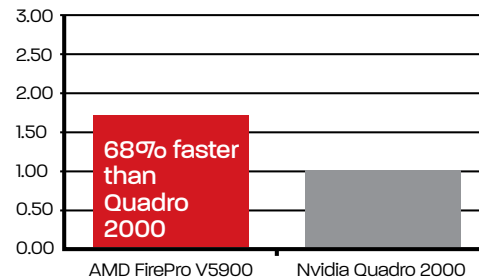
Solidworks 2011 SP3 (internal benchmark) Explorer model (frames per second, Higher is better)
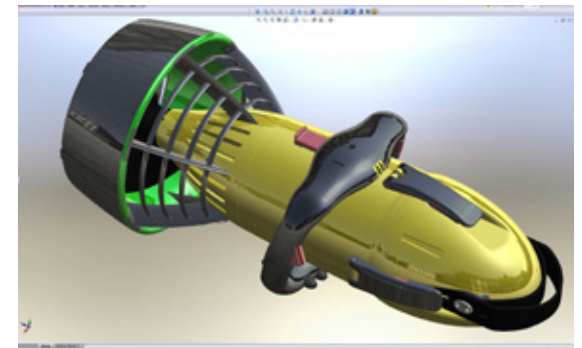
All benchmarks conducted on :
System config: HP Z400, W3680 @ 3.33, 16GB DDR3 RAM, Win7 64-bit SP1 ATI driver: 8.88 beta ; Nvidia driver 275.65 - 3dsmax2011 defDX driver used for Q400, Q600, Q2000 since performance driver failed
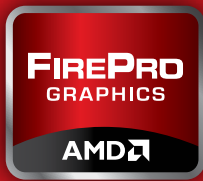
NEXT GENERATION OF AMD FIREPRO™ WORKSTATION GRAPHICS
Optimized for CAD/CAM/CAE

WHY AMD FIREPRO™ GRAPHICS?

- Designed and built by AMD for outstanding reliability and performance
- Leading edge technology with comprehensive ISV certification
- Free unified drivers deliver advanced levels of graphics stability
- Open standard support (Microsoft® DirectX® 11, OpenGL® 4.2, OpenCL™ 1.1)
- Every FirePro graphics comes with the highest levels of customer support

NEW AMD FIREPRO™ GRAPHICS CARDS

AMD FirePro™ V4900
Outstanding performance and reliability for professionals who work with small to medium models.

AMD FirePro™ V5900
First graphics card in its class with 2 GB memory and AMD Eyefinity for 3 displays

AMD FirePro™ V7900
High-end graphics performance and broad feature set with AMD Eyefinity for 4 displays

NEW AND UNIQUE FEATURES

GeometryBoost Technology:
Helps ensure smooth handling of complex, highly tessellated models

AMD PowerTune Technology:
Optimizes power usage in real-time based on current workflow demands

AMD Eyefinity Technology:
Run up to 4 monitors from a single graphics card, boosting productivity by viewing entire workflows.

AMD CrossFire™ Pro:
Harness the power of two GPU's with a an easy to install flex cable connector.

OPTIMIZED AND CERTIFIED BY MAJOR CAD AND DCC VENDORS

A rigorous and exacting certification process, conducted by software vendors, puts AMD FirePro™ professional graphics up against a series of simulations and real-world scenarios, ensuring compatibility and stability required by professionals.

AMD FirePro professional graphics are certified for:
- Engineering and Design (CAD/CAE/AEC)
- Digital Content Creation (DCC) & Digital Media
- Geographical Information Systems (GIS) & Visualization
- Life Sciences
- Oil & Gas

Graphics Card	Display				Performance			Features									
	Dual-link DVI	DisplayPort 1.2	Maximum Display resolution @60Hz	AMD Eyefinity	Stream Processors	Memory	Memory Bandwidth (GB/s)	AMD CrossFire	GeometryBoost	AMD PowerTune	OpenCL	OpenGL	DirectX	Shader Model	3D Stereoscopic	Framelock/Genlock	Warranty
AMD FirePro™ V4900	x1	x2	2560 x 1600	x3	480	1GB	64	●			1.1	4.2	11	5.0			3yr
AMD FirePro™ V5900	x1	x2	2560 x 1600	x3	512	2GB	64	●	●	●	1.1	4.2	11	5.0			3yr
AMD FirePro™ V7900		x4	2560 x 1600	x4	1280	2GB	160	●	●	●	1.1	4.2	11	5.0	●	●	3yr