# Take your 3D to the Maximum

AMD FirePro™ professional graphics cards and their unified drivers are tested, optimised and certified by AMD for use with CINEMA 4D, giving you the performance and reliability you need to take your 3D to the maximum.

Optimised and Certified Performance

AMD FirePro professional graphics cards and their unified drivers are tested, optimised and certified by AMD, giving you optimised performance and reliability when using CINEMA 4D. The latest generation of AMD FirePro cards feature the new Graphics Core Next (GCN) GPU architecture from AMD which delivers new levels of graphics and compute performance from a single card, making AMD FirePro your ideal choice to take CINEMA 4D's new sculpting, physics and global illumination capabilities to the maximum.

Break through previous limitations and bring your designs to life
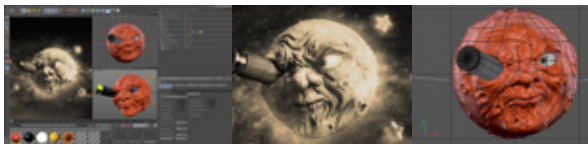
Applying high-resolution textures and more complex lighting techniques to your scenes represent yet another challenge for your system since data sizes increase quickly as you add more realism. Previous generation graphics cards were limited by a relatively small frame buffer requiring the system to frequently page large textures back and forth between system and graphics memory which can easily slow down your system. AMD FirePro graphics comes with large graphics memory configurations at many price levels. For example, the new AMD FirePro W5000 features 2GB of fast GDDR5 memory and thus offers twice as much memory than its closest competitor[2]. More than 100GB/s of memory bandwidth and PCI Express 3.0 means that even the largest textures can be loaded into the frame buffer at high speed and without slowing down your workflow. Last but not least, AMD FirePro graphics cards are optimised for CINEMA 4D's improved OpenGL Shadows helping you to preview your scenes faster.

Accelerate your Workflow with AMD Eyefinity Multi-Display Technology

Keeping full visual control of your CINEMA 4D workflow becomes increasingly challenging when using supporting apps like Adobe® After Effects or Adobe® Photoshop at the same time. AMD FirePro graphics cards feature AMD Eyefinity multi-display technology1 and can help improve your productivity by using three or more displays. Run your 3D viewport on your center display and your palette, menus as well as any supporting apps on two adjacent screens.

Switching less between overlapping windows and apps means less mouse work, more rapid multi-tasking and easier access to your texture library. AMD Eyefinity supports monitors with resolutions up to 4K using a single DisplayPort 1.2 cable making your system ready for production workflows in ultra-high-definition (UHD).

Industry:
Media & Entertainment

Application:
MAXON CINEMA 4D

Challenges:
- Increasingly complex scenes and effects
- Competitive pressure to create Wow! effect
- Combine multiple applications to create ideal workflow

Solution:
- AMD FirePro™ professional graphics is fully optimised, thoroughly tested and officially certified for CINEMA 4D giving you the performance and reliability you need to take your 3D to the maximum

Value Propositions:
- Optimised and certified for CINEMA 4D
- Tackle increased model complexity with ease
- Break through previous limitations and bring your designs to life
- New levels of computational performance with AMD GCN GPU architecture
- Accelerate your Workflow with AMD Eyefinity Multi-Display Technology

The AMD FirePro Advantage:
- Three-year limited warranty and extended availability – Compared to consumer graphics, AMD FirePro cards have an extended lifecycle
- Highest level of customer support – Customers have the ability to contact the AMD technical team directly
- Energy efficiency – AMD FirePro graphics cards are based on a highly efficient GPU design and feature power saving technologies like AMD PowerTune and AMD ZeroCore technologies
- AMD Eyefinity technology – A single card can power up to 3, 4 and even 6 displays with up to 4K resolution with each output (4096 x 2180 pixels using DisplayPort 1.2)[1]
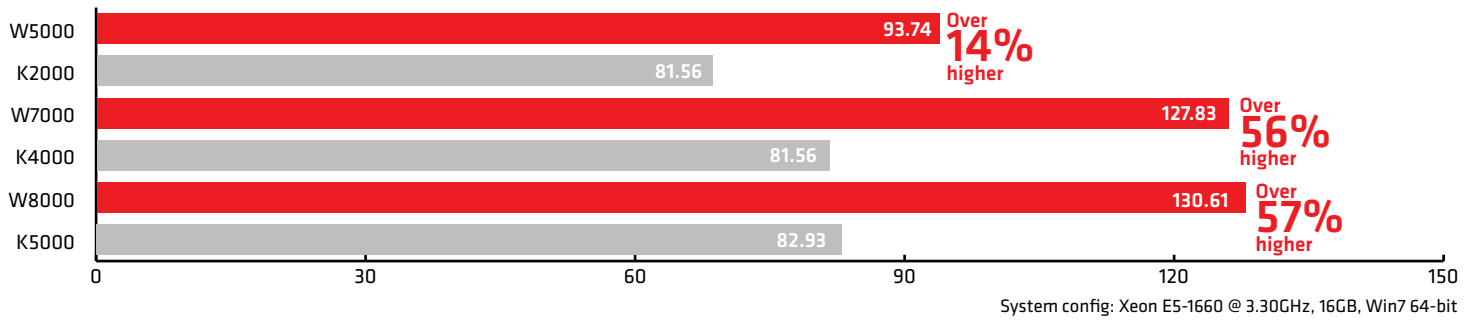
Tackle increased model complexity with ease

To create your best possible CG, VFX and motion graphics for broadcast, you need to be working on previews that are as near to the final animation as possible, so you can model and animate efficiently and produce renders that are exactly as you want them to be. To do this, workstation-class graphics will give you fast frame rates and high-quality previews keeping pace with your needs. The latest generation of AMD FirePro graphics is ideal for such workflows.

The new Geometry Boost feature will processes twice as much geometry data per clock cycle as previous generation cards, essentially doubling performance with increasingly complex meshes. Geometry Boost is the ideal match for the new CINEMA 4D R14 Sculpt system which allows more organic modelling for better-looking models.

Cinebench R15 Benchmark Results (FPS)

W5000	93.74 — Over **14%** higher
K2000	81.56
W7000	127.83 — Over **56%** higher
K4000	81.56
W8000	130.61 — Over **57%** higher
K5000	82.93

System config: Xeon E5-1660 @ 3.30GHz, 16GB, Win7 64-bit

New levels of computational performance with AMD Graphics Core Next (GCN) GPU architecture

Take advantage of exceptional performance in intensive non-3D tasks such as effects processing and video rendering, without having to buy a second board. AMD FirePro cards based on the latest GCN GPU architecture use a 28nm design and deliver increased compute performance to handle such advanced effects and are the perfect match for the new physics tools in CINEMA 4D R14. This makes the effects of aerodynamic forces, springs and breaks look more authentic than ever.

In the case of soft shadows, not only memory utilization increases but also the GPU is required to perform more complex calculations to add realism to your scene. The AMD FirePro W5000 offers over 1.2 TFLOPS of single-precision performance and packs the performance of a super computer into a single slot.

GFLOPS increase (1.4x)   Utilisation improvement

AMD FirePro V7900
AMD FirePro W9000

SmallptGPU
LuxMark
SHA256
AES256
Madelbrot DP

0x 1x 2x 3x 4x 5x
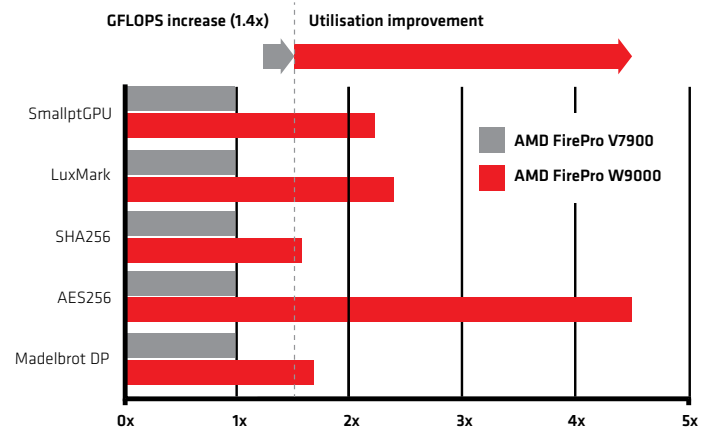
Recommended for CINEMA 4D

	AMD FirePro W5000	AMD FirePro W7000	AMD FirePro W8000
Geometry Performance	1.65 B Tris/s	1.8 B Tris/s	1.85 B Tris/s
Texture Support	2 GB 103 GB/s	4 GB 154 GB/s	4 GB (ECC) 176 GB/s
Compute Performance	1.27 TFLOPS	2.4 TFLOPS	3.23 TFLOPS
AMD Eyefinity Technology	3 (6[1]) 2x DP 1.2 + DVI-I	4 (6[1]) 4x DP 1.2 Genlock	4 (6[1]) 4x DP 1.2 Genlock
System Interface	PCIe 3.0, Single-Slot	PCIe 3.0, Single-Slot	PCIe 3.0, Single-Slot

For more information, visit www.fireprographics.com/maxon