



Professional | Workstation | Solutions



IMAGINE what you could do?

CAD2's IMAGINE range of Award Winning 'Custom Built' Workstations featuring the latest PNY/NVIDIA Quadro® FX Certified Graphics for the Ultimate Workstation Experience.

CAD2 & PNY Achieve Unprecedented Workstation Performance

Introducing CAD2's range of professional Computer Aided Design (CAD/CAM/CAE) and Digital Content Creation (DCC) workstations; giving today's engineering & visual professionals the ability to streamline the design process. Built with an award winning pedigree this bespoke workstation range is specially tuned and optimized with the world's fastest most reliable components to provide the best graphics workstation experience. Powered by advanced Dual/Quad-Core 64-bit processors combined with PNY Nvidia® Quadro™ FX certified graphics CAD2 IMAGINE workstations are designed to excel in the most demanding of environments, enabling the design process to flow more freely and allowing for the best possible return of investment.

CAD2's IMAGINE range of Workstations transform leading Computer Aided Design (CAD), Digital Content Creation (DCC) and Visualization Applications to a whole new level and deliver unmatched power and performance.

Unprecedented capabilities in both programmability & precision

CAD2 IMAGINE workstations provide leading design applications with the key graphics architecture required to enable hardware accelerated features not found in any other professional workstation solution. CAD2 IMAGINE Workstations are available with NVIDIA® SLI™ technology, a revolutionary platform innovation that allows graphics professionals to dynamically scale performance and enhance image quality by combining multiple NVIDIA® graphics cards in a single workstation.

IMAGINE Workstation Programmability can empower a New Class of Application

For the first time styling & design production & rendering can become integral functions of your project workflow, shortening the production process and enabling a faster time to market (TTM). End users can now take full advantage of the programmable NVIDIA® Quadro™ architecture found in any CAD2 IMAGINE Workstation, enabling sophisticated shaders to simulate a virtually unlimited range of physical characteristics (lighting, physical surfaces etc). Real-time shaders can even allow these effects to be combined & modified interactively, something that is impossible with Generic PC Systems.



Full 128-bit Floating Point Precision Delivers Industry's Highest Quality Workstation

Sophisticated real-time effects typically involve multiple mathematical operations that demand high precision to maintain image quality. CAD2 IMAGINE Workstations feature a true 128-bit floating point, resulting in the highest level of accuracy & quality that virtually eliminates visual anomalies. CAD2 IMAGINE Workstations deliver a 32-bit floating point precision format (an industry first & exclusive) that meets the needs of today's cutting-edge design applications. Images now have a smoother more appealing variation in colour density and can increase visual realism to generate photorealistic rendered images. CAD2 Workstations also provide a 12-bit sub-pixel precision (3x higher than the competition).

IMAGINE Professional Workstation Graphics on the Go

CAD2's Mobile Workstation series feature NVIDIA® Quadro™ FX mobile graphics solutions to deliver the fastest application performance & the highest image quality. Taking leading CAD, DCC & Visualization applications to new levels of interactivity, enabling unprecedented application performance on the Go!

In addition to a full line up of Mobile & Desktop 3D CAD/CAM & Graphics Workstations CAD2 have a range of specialty Rendering & Video Workstation Solutions that have been developed to meet the needs of a wide range of industry professionals. Please call for further details.

0800 180 4801
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NVIDIA Quadro Technical Specifications



CAD2 IMAGINE Workstation Features & Benefits

- World's Fastest Most Powerful 64Bit Dual/Quad-Core Processors
- Ultra Fast Hard Disk Sub-Systems (S-ATA, SAS & Fibre Options)
- Powerful PNY NVIDIA® Quadro™ FX Next Generation Graphics Processors
- High Performance Parallel Processing & Geometry Engine Technology
- Full Shader Model 3.0 Support for Vertex & Pixel Shaders
- 128MB -> 1GB GDDR3 Graphics Memory with 256-bit Memory Controller
- Dual Link Output capable of Powering Ultra-High Resolutions up to 3840 x 2400
- HD Component Video (YPrPb) output and Stereoscopic 3D Output
- Optimized for Computer Aided Design (CAD/CAM/CAE) & Digital Content Creation (DCC)
- Maximum Return of Investment (ROI) & Reduced Time to Market (TTM)
- Direct Access to CAD2's Dedicated Workstation Technical Support Team

CAD2 VISION WORKSTATION CERTIFICATIONS

COMPUTER AIDED DESIGN

- Computer Aided Design (CAD)
- Architecture / Engineering / Construction (AEC)
- Medical Imaging
- Computational Fluid Dynamics
- Visual Simulation
- GIS & Mapping
- Oil & Gas

CERTIFICATIONS

- AceCad StruCAD/StruMIS
- Alias® StudioTools™
- Altair® Hyperworks®
- ANSYS DesignSpace® and Multiphysics™
- Autodesk® AutoCAD®, Inventor® and VIZ
- Bentley MicroStation®
- Co Create® OneSpace Designer
- Dassault Systems CATIA®, ENOVIA® and SolidWorks®
- DELCAM™ PowerSHAPE™
- ICEM® Surf
- MSC Software® Patran® and Nastran™
- Nemetschek Allplan
- PTC® Pro/CONCEPT™ and Pro/ENGINEER® Wildfire™
- UGS I-deas® NX, NX, Solid Edge™ and Teamcenter

DIGITAL CONTENT CREATION

- Game Development
- Cinematic Visual Effects
- Broadcast and Film Animation
- Virtual Set Design
- Compositing
- Digital Editing and Publishing

CERTIFICATIONS

- Adobe® After Effects®
- Adobe® Audition®
- Adobe® Encore™ DVD
- Adobe® Premiere® Pro
- Adobe® Photoshop® CS
- Alias® Maya®
- Autodesk® 3ds Max®
- Autodesk® Combustion®
- AVID DS Nitris
- Maxon Cinema 4D
- Maxon BodyPaint 3D
- NewTek LightWave 3D®
- Side Effects Software™ Houdini™
- SOFTIMAGE® | XSI®



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