

Creative People

Why they prefer Macintosh for their 3D work

- Used by 3D graphics professionals

 Animators, architects, designers, scientists, engineers, and more
- Hardware and software integration

 Graphics and multimedia
 Graphics and multimedia
- Mac OS
 - Legendary ease of use, user interface
- Plug-and-play simplicity

 Expansion cards and peripherals

3D on Matisfatos for Creation

- Architecture
- Web Design
- CAD/CAM
- Environmental Design

- Industrial Design
- 3D Modeling and Animation
- Medical
- Scientific and Engineering
- Graphic Design
 Film and Digital Video

Evolution of Wide selection of great 3D applications

- Improved processor speeds

 Power of PowerPC
 Power of PowerPC
- Hardware graphics acceleration
 ATI graphics chips
- Mac OS support of OpenGL
 - Industry-standard graphics libraries

Faster and novation for the creative professional Elegant, powerful hardware – Power Macintosh, iMac, PowerBook Editor's Choice Award Best Hardware—3D Design magazine Faster I/O - Ethernet, USB, FireWire, PCI

Mac OS built-in features

 OpenGL, QuickTime, AppleScript, File Sharing, Sherlock

Editor's Choice Value of 3D Design magazine selected the **Power Macintosh G3** and the PowerBook G3 as "the" machines to üssetfors & Dsepapple was **Editor's Choice Winner 1998** the only hardware system." –Robert Melk Publisher, 3D Design

1.D. Magazine 44th Annual Design Review



- 69 winners in 8 categories used a Macintosh computer in their design work:
 - ConsumerProducts
 - Graphics
 - Packaging
 - Environments
 - Furniture
 - Equipment
 - Concepts
 - Student Work

Enhanced Graphics Accelerationsh systems

- Hardware-based acceleration
- Faster rendering and animation
- Enables special effects and larger screens
- Multiple monitor sup

Impact of OpenSupport of 3D libraries

- OpenGL available on every major OS
- Next generation of applications

- More powerful a peace - will debut on Macimush

3D Applications

- fos Modeling and Animation
 - CAD/CAM
 - Graphic Design
 - Modeling

- Rendering
- Web Design
- Scientific and Engineering

Applications

3D Modeling, Rendering, and Animation

- Animation Master -Hash
- The Animation Stand -Linker Systems
- ElectricImage --Play
- Lightwave 3D -NewTek
- Amorphium Play
- Sculpt 3D -Byte by Byte
- Art•Lantis Pro -Abvent

- form Z -auto des sys
- Studio Pro 3D -Strata
- Cinema 4D -Maxon
- Poser MetaCreations
- Ray Dream Studio - MetaCreations
- Amapi 3D -тся
- Bryce 3D -MetaCreations

Applications

- CAD (Computer-Aided Drafting or Design)

 - ArchiDesign -васн
 - DenebaCAD -Deneba
 - MicroStation -Bentley **Systems**
 - VectorWorks -Diehl Graphsoft
 - Vellum -Ashlar

- ArchiCAD Graphisoft Douglas CAD Douglas Electronics
 - Turbo CAD -IMSI
 - Arc+ -ACA Ltd.
 - DigiCad -Interstudio
 - CAMM-3 3D -Roland **Digital Group**



Applications

Scientific and Engineering

- Alchemy 2000 -Tripos
- Chem 3D -CambridgeSoft
- CAChe -Oxford Molecular
- Maple V -Waterloo Maple
- Mathematica -Wolfram
- IDL -Research Systems

- Chemistry 4D -ChemInnovation
- Sculpt -Interactive Simulations
- IGOR Pro -Wavemetrics
- MultiFrame 4D -Daystar Software
- MacMolecule Molecular Ventures
- Neoform -Formation Design Systems



Additional Benefits







- Plug-and-play expansion and peripherals
 - USB, FireWire, Ethernet, PCI slots
- OpenGL 3D libraries in the Mac OS

Apple 3D Apple 3D - Powerful new PowerPC hardware



- Mac OS
 - Comprehensive, integrated, and expansive



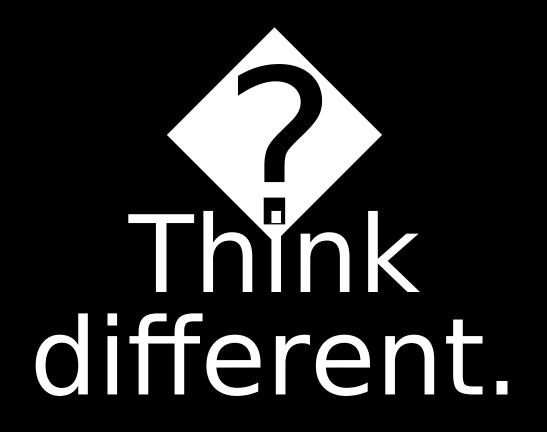
- 3D Graphics Acceleration – Now available in every Macintosh
- Applications
 - More powerful and creative applications available

Access to More Information

• Apple 3D web site

www.apple.com/publishing /3D

 Macintosh Products Guide – www.apple.com/guide



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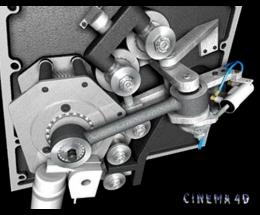
Credits



"Ionic Capital" © David Johnson, 1992 using Sculpt 3D from Byte by Byte software



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© Jürgen Schubert, 1999 using Cinema 4D by Maxon