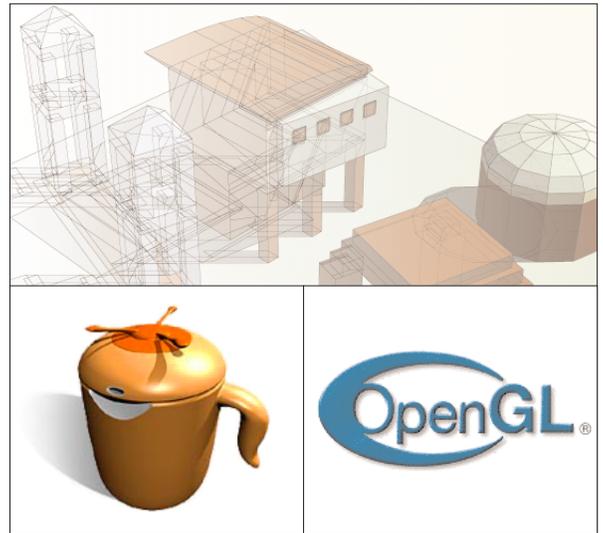# The Macintosh for 3D Design and Graphics

Now the best graphics computer is also the best 3D graphics computer. Thanks, in great part, to the new Power Macintosh G3—with its enormous processing punch. And a little something called OpenGL— the technology that enhances games and professional 3D graphics programs. It gives the Macintosh a whole new dimension.

Wide variety of 3D uses

Superior graphics capabilities and advanced multimedia features make Macintosh the ideal computer for 3D graphics. Furthermore, a vast offering of professional 3D graphics applications are already at work—producing 3D graphics of astonishing quality. In fact, Macintosh is the choice for thousands of 3D professionals who make their living in architecture, industrial design, film and animation, game design, graphics, web development, science, and engineering.

Powerful hardware

Specifically designed to make quick work of today's most demanding 3D applications, the Power Macintosh G3 incorporates improved memory systems and the ATI RAGE 128 graphics accelerator to provide unsurpassed levels of performance. Furthermore, with the combination of the industry-leading OpenGL technology and the unrivaled new PowerPC processors, the Power Macintosh G3 is an awesome platform for 3D modeling, rendering, and animation.

OpenGL support

OpenGL lets 3D software developers harness the power of the Macintosh to accelerate rendering, texture mapping, and special effects. OpenGL features a robust and mature 3D software library with more than 250 graphics routines, such as lighting and shading, texture mapping, and atmospheric effects for fog, smoke, and haze. This broad set of functions delivers performance for today's 3D software, and speed for tomorrow's 3D applications.

Intelligent operating system

The Mac OS hosts a number of intelligent features to enhance productivity and deliver seamless integration between many of today's 3D programs. Integration with core Apple technologies such as QuickTime and QuickTime VR can help 3D designers quickly move animations and graphics into other programs or web pages.

Solutions for 3D Design and Graphics

Here are just a few of the 3D design and graphics applications available for Macintosh. For a complete list, visit the Macintosh Products Guide at www.apple.com/guide.

3D Modeling and Rendering

3D World
Microspot — www.microspot.com
Amorphium
Play — www.play.com
Art•lantis Render
Abvent — www.abvent.com
Bryce 3D
MetaCreations — www.metacreations.com
Canoma
MetaCreations — www.metacreations.com
Cinema 4D
Maxon — www.maxon.net
DesignWorkshop
Artifice — www.artifice.com
form•Z
auto•des•sys — www.formz.com
LightWave 3D
NewTek — www.newtek.com
MacRenderMan
Pixar — www.valisgroup.com
Neoform
Formation Design — www.formsys.com
Ray Dream Studio
MetaCreations — www.metacreations.com
Sculpt 3D
Byte by Byte — www.bytebybyte.com

For More Information

For more details on 3D Design and Graphics on the Macintosh, visit www.apple.com/publishing/3D.

OpenGL for Macintosh can be downloaded free of charge. An iMac or a Power Macintosh G3 is recommended for accelerated 3D rendering. Just visit www.apple.com/opengl.

Apple Computer, Inc.

1 Infinite Loop
Cupertino, CA 95014
408-996-1010
www.apple.com

Strata StudioPro
Strata — www.strata.com
World Construction Set
Questar Productions — www.questarproductions.com
Zoom
Abvent — www.abvent.com

CAD and Analysis

Arc+
ACA Ltd. — www.design-labs.com
ArchiCAD
Graphisoft — www.graphisoft.com
ArchiDesign
BAGH — www.bagh.com
CAMM-3
Roland Digital Group — www.rolanddg.com
DenebaCAD
Deneba — www.deneba.com
DigiCad
Interstudio — www.interstudio.net
Douglas CAD
Douglas Electronics — www.douglas.com
Multiframe
Formation Design Systems — www.formsys.com
Multiframe 4D
Daystar — www.daystarsoftware.com
VectorWorks
Diehl Graphsoft — www.diehlgraphsoft.com
Vellum 3D
Ashlar — www.ashlar.com

Animation

3D Animation Pro
Hash — www.hash.com
ElectricImage
Play — www.electricimage.com
Infini-D
MetaCreations — www.metacreations.com
Life Forms
Credo Interactive — www.credo-interactive.com

mapsaVR
Squamish Media Group — www.smgvr.com
MeshPaint
Positron — www.3dgraphics.com
Poser 3
MetaCreations — www.metacreations.com
QuickTime VR
Apple Computer — www.apple.com/quicktime
soundsaVR
Squamish Media Group — www.smgvr.com

Other Design/Analysis

Alchemy III
Tripos — www.tripos.com
CAChe
Oxford Molecular — www.oxmol.com
Graphing Calculator
Pacific Technologies — www.pacifict.com
IDL
Research Systems — www.rsinc.com
Maple V
Waterloo Maple — www.maplesoft.com
Mathematica
Wolfram Resarch — www.wolfram.com
Sculpt
Interactive Simulations — www.intsim.com

Other Software for 3D Authors

After Effects
Adobe Systems — www.adobe.com
Director
Macromedia — www.macromedia.com
Inspire 3D
NewTek — www.newtek.com
Media Paint
Strata — www.strata.com
Painter 3D
MetaCreations — www.metacreations.com
Photoshop
Adobe — www.adobe.com