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New Dimensions

Autodesk®

New Dimensions  
Autodesk 3D Animation Portfolio

# Our Vision

From King Kong to Grand Theft Auto to the Freedom Towers, digital artists are realizing their most ambitious ideas using a magical combination of innovative technique, constant ingenuity, and artistic genius.

Inspired by our customers' passion for their work, Autodesk is focused on leading innovation in digital media technology and providing the most advanced creative tools on the market today.

Take full advantage of our complementary 3D applications—Autodesk® Maya®, Autodesk® 3ds Max®, Autodesk® MotionBuilder™, and Autodesk® VIZ—to meet your animation, visual effects, and design visualization project needs.

Maximize creative results, enhance collaborative efforts, and accelerate project turnaround times. Whatever your needs, our Autodesk 3D Animation Portfolio offers you the right tools for a spectacular job.

# Our Markets

## Film

For most movies made around the world today, Autodesk 3D animation products have helped produce stunning creative results. Add our industry-leading 2D post-production solutions to the mix and every film nominated for an Academy Award® for “Best Visual Effects” for the past decade has been touched by an Autodesk product.

## Television & Broadcast

From commercials to on-air graphics to jaw-dropping visual effects for prime-time programs and network specials, Autodesk helps broadcasters bring big ideas to the small screen. Autodesk 3D animation solutions provide the fast-paced television production community with a comprehensive 3D modeling, animation and rendering toolset.

## Game Development

From building a game for the latest blockbuster movie to developing the next racing tour de force, whatever your production needs, Autodesk has a games solution that plays well. As game developers continue to push the envelope and address next-generation challenges, Autodesk 3D animation solutions are their weapons of choice.

## Design Visualization

Autodesk 3D animation products help architects and product designers bring conceptual drawings to life. Around the world, designers look to Autodesk solutions to create stunning virtual fly-throughs, packaging concepts, and virtual prototypes that will render clients speechless.

## Graphic Design

Autodesk 3D animation solutions let artists add an extra level of realism to design work, illustrations and virtual photography. From print advertisements and brochures to professional art and publishing projects, Autodesk products help designers realize ideas with greater appeal.

Autodesk®

The products in our Autodesk® 3D Animation Portfolio — 3ds Max, Maya, MotionBuilder and Autodesk VIZ — represent the broadest set of solutions, applications, development resources, and streamlined workflow potential available in 3D. Whether your project calls for out-of-the-box functionality or customized toolsets, Autodesk has a 3D solution for you.

# Our History

<p><b>1985</b>   Alias unveils ALIAS/1 designed to produce realistic 3D video animation.</p> <p>Wavefront releases Personal Visualizer, providing a point-and-click interface to photo-real rendering software.</p>	<p><b>1990</b>   Autodesk introduces 3D Studio DOS as the first affordable 3D animation system for the PC.</p> <p>ILM uses Alias PowerAnimator to create Chromium Cyborg in Terminator 2: Judgement Day. Movie wins Best Visual Effects Academy Award.</p> <p>ILM uses ALIAS/2t to create deep-sea creatures in The Abyss. Movie wins Best Visual Effects Academy Award.</p>	<p><b>1995</b>   Autodesk establishes Kinetix, with 3D Studio as its flagship.</p> <p>Tomb Raider action-adventure game created using 3D Studio</p> <p>Blizzard Entertainment's Warcraft features film-quality cinematics created in 3D Studio.</p> <p>ILM uses PowerAnimator to model prehistoric beasts in Jurassic Park.</p> <p>Alias and Wavefront merge, with the mission of developing the world's most advanced tools for the creation of digital content.</p>	<p><b>2000</b>   Michael Graves and Target stores debut a line of housewares designed with Autodesk VIZ.</p> <p>Autodesk acquires Discreet Logic, Inc. Discreet Logic and Kinetix become the division known as Discreet.</p> <p>Discreet Flame and Discreet Inferno win Scientific and Engineering Academy Awards.</p> <p>The "Dancing Baby" created using 3D Studio Max hits primetime, lands a guest spot on Fox's "Ally McBeal."</p> <p>Bill Kovacs and Roy Hall receive an Academy Award™ plaque for development of Advanced Visualizer.</p> <p>Electronic Arts' The Sims created using 3ds Max and Maya becomes the best-selling PC game of all time.</p>	<p><b>2005</b>   Skidmore, Owings, &amp; Merrill use Autodesk 3D solutions in design of the Freedom Tower.</p> <p>The Lord of the Rings: The Return of the King using Alias and Autodesk technologies wins Academy Award for "Best Visual Effects."</p> <p>Rockstar Games' Grand Theft Auto 3D graphics and animation produced with 3ds Max.</p> <p>An effort to stabilize Italy's Tower of Pisa is underway using Autodesk VIZ software.</p> <p>Maya becomes software is awarded an Oscar statuette.</p> <p>EA's top-selling titles Madden Football 2003 and 2002 are made with Maya.</p> <p>King Kong brought to life, with Alias and Autodesk solutions.</p> <p>Alias acquires Kaydara, developers of MotionBuilder and FBX.</p> <p>Autodesk acquires Alias, ushering in a new era of 3D and visual effects solutions.</p>
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© Lucasfilm Ltd. & TM. Star Wars Episode 3 - Revenge of the Sith. All Rights Reserved. Digital work by ILM

## Maya

Realize your creative vision. Solve production and effects challenges. Develop breathtaking 3D animation.

- Maya is our Academy-Award winning 3D animation software for character animation and visual effects. Its innovative design allows it to be customized to fit the needs of large-scale production pipelines where many artists need to collaborate. Maya is available on Windows®, Mac OS® X or Linux® operating systems.
- Model and animate characters requiring customized rigging.
  - Apply technical resources to script and customize features to fit the needs of your pipeline.
  - Advanced character animation toolset allows for complex character animation.



© Paramount Pictures, Aeon Flux, courtesy of The Orphanage.

## 3ds Max

Model efficiently. Animate easily. Achieve stunning results in less time.

- When you need a comprehensive creative toolset and optimized workflow, 3ds Max software provides immediately available, out-of-box access to the widest range of functionality to easily create professional animations.
- Share, control, and manage your work-in-progress assets with Autodesk® Vault® software.
  - Extend or tailor the software environment with a wide range of innovative plug-ins
  - Easy-to-learn environment accelerates workflow and production ramp-up.

## MotionBuilder



Image courtesy of High Moon Studios

Strike the right pose. Achieve natural articulation. Instantly retarget data between characters.

- From pre-visualization to traditional key framing to motion-capture editing, MotionBuilder software features unique real-time, character technology that allows you to create state-of-the-art animations in record time.
- Specialized tools for motion capture and key frame handling
  - Optimized workflow that helps manage and turn around high volumes of animation
  - Native FBX® file format allows for easy transfer of assets from and to both 3ds Max and Maya software.

## Autodesk VIZ

Visualize the possibilities. Explore concepts. Clearly communicate complex design ideas.

- Interactive environment for 2D drawing and 3D modeling, animation, and rendering
- Unmatched interoperability with Autodesk design software
- Streamlined process for communicating architectural designs, plans, and illustrations in 3D

Whether you are designing a complex mechanical part, planning a sky-scraping high-rise, or modeling realistic buildings to be used in a next-generation game, Autodesk VIZ 2007 can help you realize your ideas and bring your concepts to life.



Image courtesy of Geoffrey Parker