

News Release

For Immediate Release

Attention:

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- Product Review Editors

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Editors:

Rhino 2.0 is available for review.
Contact Bob McNeel.

Images and additional Rhino
information can be downloaded
from www.rhino3d.com/press.htm

What: New version of **Rhinceros**[®], NURBS modeling for Windows, is shipping
News: Rhino 2.0 now shipping.
Who Uses: Commercial & industrial product designers, CAD/CAM users, multimedia & graphics creators, and educators
Price: US\$895, Upgrades from 1.0 US\$295, Upgrades from 1.1 free until 15-Jan-2002
Available: Now
Platform: Windows 95, 98, NT, ME, 2000, and XP

Rhinceros 2.0 shipping

Seattle—September 1, 2001—Today Robert McNeel & Associates started shipping Rhinceros (Rhino) 2.0, a new version of their NURBS (non-uniform rational B-spline) modeler for the Windows platform. The new version is US\$**895** and upgrades from Rhino 1.0 and 1.1 are US\$**295**. There is a special introductory price until January 15, 2002. New versions are US\$**795** and upgrades from Rhino 1.1 are **free**.

Rhino 2.0 is a conceptual design and modeling tool for industrial, product, and scene designers. Rhino brings accurate, free-form curve, surface, and solids modeling to demanding users.

"Our goal has been to give professional modelers tools like those found in products costing tens of thousands of dollars," explains Bob McNeel, President of Robert McNeel & Associates. "This new version expands our goals to include thousands of software developers who support the design community with highly specialized applications that rely on accurate 3-D free-form models. With Rhino 2.0 we are providing a software developer's tool kit (SDK) that gives them plug-in access to highly accurate free-form NURBS models without the expense typically associated with these high-end tools."

New features

Rhino 2.0's new features include:

- a C++ software developer's kit for plug-in applications developers
- VBScript and JScript support
- new import and export file formats
- The Zoo, a workgroup license manager
- hundreds of new modeling and editing commands, options, and enhancements (too many to list here, for details see the sidebar on page 2 or visit: www.rhino3d.com)

Development platform

The main focus of Version 2.0 is the ability to plug in C++ applications that add functionality to Rhino. This functionality can range from a free program that adds very simple selection commands, to complicated programs that add rendering, mathematical functions, or even a specialized interface to Rhino. See the new plug-ins page, www.rhino3d.com/plugins.htm, for an up-to-date list.

New Rhino 2.0 features:

User interface:

- Camera-based view manipulation
- Perspective match image
- Context sensitive right-click menu
- Alt key copy

Construction aids:

- Feet and inches with fractions
- Groups
- Select last object
- Select previous selection set

Create curves from objects:

- Contour on mesh
- Make 2-D dimensions and text

Edit curves:

- Orient to edge

Create surfaces:

- Loft with tangency matching
- Sweep with edge matching
- Sweep with edge continuity
- Plane through points
- Unicode support for text objects

Edit surfaces:

- Array along curve on surface

Annotation:

- Unicode (double-byte) support for text dimensions, and notes

Analysis:

- Curvature graph on surfaces

Rendering:

- Hotspot, angle, and direction controls for spot lights
- Point lights
- Directional lights

File formats support:

- STEP
- VDA
- GHS
- SLC
- Deep Paint 4D
- AutoCAD 2002 DWG/DXF import/export
- IGES for NASA GridTool, Tebis, and Yamaha ESPRI
- Viewpoint

File management:

- Export with origin point
- File compression for meshes and preview images

License manager and installation:

- Workgroup license management
- Scripted installation option

Input devices:

- SpaceTec SpaceBall
- LogiCad SpaceMouse

Scripting:

- VBScript
- JScript

Plug-in support for:

- Rendering
- 3-D Input devices
- C++ applications

Flamingo, raytrace and radiosity rendering, the first major plug-in

Flamingo uses raytracing and radiosity technologies to create high quality, photo-realistic, still image and animation files from 3-D models inside Rhinoceros.

Flamingo will be shipping later this year for US\$495. Details on Flamingo can be found on www.flamingo3d.com.

New file formats support

Rhino Version 2.0 has new and improved import and export types. Rhino 2.0 now also supports:

- STEP and VDA import and export with stitching
- GHS export for marine analysis
- SLC export for rapid prototyping
- Viewpoint Experience Technology export

The Zoo, a workgroup license manager

To allow more efficient use of Rhino and Flamingo licenses, users now have the option of installing Rhino 2.0 and Flamingo as a workgroup node. Workgroup nodes obtain license keys at run time from the Zoo.

Field-tested at more than 10,000 user sites

In development for over a year and in public beta for more than nine months at more than ten thousand user sites, Rhino 2.0 has been rigorously tested not only for stability, but also for feature validity and usability.

System requirements

Rhino runs nicely on a system with a Pentium processor, 64 MB RAM, and 40 MB disk space under Windows 95, 98, NT, ME, 2000, or XP. No special graphics hardware is needed. OpenGL graphics acceleration hardware is used if available.

Support, service, and satisfaction guaranteed

Online support is available 24 hours a day, 7 days a week. User support is available worldwide by phone, on a private Internet newsgroup, and by e-mail at rhino@mcneel.com. Rhino can also be automatically updated from the Internet. Like all McNeel software products, Rhino is backed by a satisfaction guarantee.

Books, electronic tutorials, curriculum materials, and instructor guides are available. Classroom training is also available worldwide.

Cost and ordering

The commercial user price is US\$**895**. Students and teachers can buy a commercial license for US\$**195**. Schools can buy a lab license for US\$**975**. Commercial Rhino 1.0 and 1.1 users can update for US\$295, students and teachers can update for US\$95, and lab license updates are US\$295. Local language versions are available. A working evaluation version can be downloaded from www.rhino3d.com.

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