

Vectorworks® Fundamentals 2011

Realize Your Most Inspired Visions



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Flexible:

Enjoy the Freedom to Design the Way You Want

Versatile:

Create, Model, and Present with One Application

Intuitive:

Work the Way You Think

Smart:

Make a Good Investment in Yourself

This is no ordinary year.

This is a milestone release for the Vectorworks Fundamentals program. Incredible changes will transform your work—and your world—for the better. With the Vectorworks Fundamentals 2011 software, you'll design like never before in a 3D environment that makes drafting and modeling in any view easy. You'll enhance your designs and presentations with exceptional text capabilities and many other new and improved features, and then render your designs beautifully with our powerful new render engine, CINEMA 4D. This breakthrough release will have a dramatic impact on both your workflow and your designs.

Flexible:

Enjoy the Freedom to Design the Way You Want

With the Vectorworks Fundamentals application, you're not limited to a prescribed workflow, so you have the freedom to work the way you want to work. Incorporate your existing approach to design to make the best use of the skills you already have in-house. Collaborate seamlessly with colleagues and coworkers and with other software applications. Here are some compelling reasons to purchase or upgrade:

Freeform Modeling

With an intuitive interface, you can draft or model from any 3D view, and enjoy the superior quality that allows you to manipulate your model with ease. More accurate object information and better snapping make drawing in 3D so easy. The SmartCursor™ helps you by showing hints, like the angle from the previous segment, as you draw. Plus, an advanced suite of solid and NURBS modeling tools allows you to create any shape and easily explore organic geometry. Blend, twist, sculpt, deform, or punch holes. Anything's possible with the Vectorworks Fundamentals 2011 software.

Efficient Workgroup Capabilities

Break up complex projects. Whether you're a sole practitioner collaborating with other professionals or a large firm dividing work among different members of the team, workgroup referencing provides a flexible way to split even the most complicated project into manageable pieces.

Easy File Translation

Get on the cutting edge of digital practice, and move your projects fluidly between design, analysis, and construction packages with Vectorworks Fundamentals' vast import and export options. Import and export AutoCAD® 2011 (and earlier) files. Send models to 3D CAD/CAM machines, CNC routers, and other 3D printers. Vectorworks Fundamentals supports a number of standard 3D file formats, including IGS, SAT, and STL.

Endless Digital Images

Make your work even more compelling and easier to communicate with digital imagery. Import scans, digital photos, or web images. Import or export a wide array of image files, including Illustrator® EPS and native Photoshop® PSD files. Also, export your design for inclusion into your firm's marketing materials or website.



Courtesy of Studio Matteo Thun, Mailand



Courtesy of Design & Function, Raimondo Brenni, Le Landeron

Versatile:

Create, Model, and Present with One Application

Move easily between tasks. From design concepts to construction documentation and every design phase in between, the Vectorworks Fundamentals application marries precision drafting and flexible modeling with state-of-the-art technology. Create, model, and present easily and precisely with one application. With Vectorworks Fundamentals software, you can do it all.

The program boasts a comprehensive set of design tools to support your entire practice. You have complete functionality for:

Powerful Conceptualization

Find your inspiration and start drawing. Or if you would like, import hand sketches, pictures of the site, and even documents from other applications. Invoke ideas in 2D, and explore them in 3D with free-form models. Win the job, then invest the time in your design.

Superior 2D

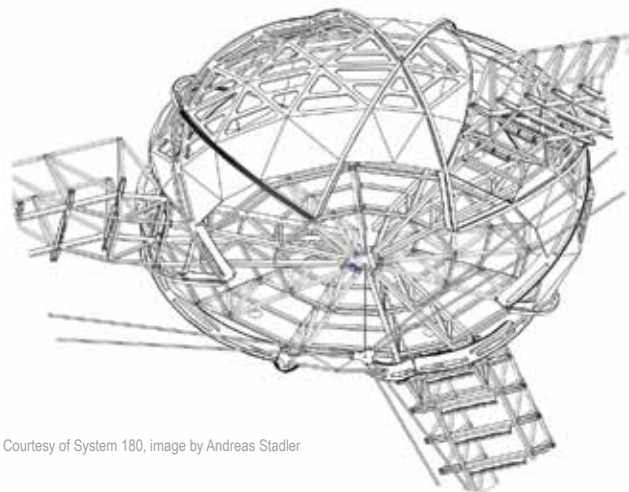
Make drawing fast and fun, no matter how complicated the design. Our streamlined drafting environment includes a suite of drawing and editing tools that make quick work of any type of project. Explore parametric constraints that maintain relationships between 2D objects. Use a full spectrum of dimensioning tools that support common standards. Take advantage of text and notation capabilities that make your drawings even more powerful. For your finishing touches, stylize the text with a choice of fonts and sizes, check your spelling, and extrude text into 3D.

Unique Presentations

Define and communicate your signature look with our advanced, high-end technology that's famous for helping our users achieve superior, graphically rich presentations. Tap into our large libraries of symbols and unlimited palettes of colors. Your style is not limited by "cookie-cutter" looks. Add gradients, tile and image fills, and hatching. Easily import digital images and graphics. Unique page layout capabilities make it simple to arrange presentation boards.

Renderworks

If you think that Renderworks™ looked good before—wait until you see this! We've teamed with the award-winning CINEMA 4D render engine to provide dramatic speed and quality gains that are integrated right into your application, so you won't waste time importing or exporting the model as the design changes. You'll have deft control of texture mapping and more intuitive shader options to create photorealistic or artistic renderings like never before. And, you'll really move with speed increases that are five to seven times faster for global illumination renders!



Courtesy of System 180, image by Andreas Stadler



Intuitive:

Work The Way You Think

Out of the box and out of the gate, the Vectorworks Fundamentals software was designed to think like you do, so you will be up and running right away.

Easy-to-use Interface and Drafting Tools

Do what you like to do best—design. You won't waste time getting up to speed because our simple, customizable interface and what-you-see-is-what-you-get display make it easier to learn and use than other CAD applications. No matter what you're switching from, our application's interface will be familiar. Make the leap from the board to the computer without any trouble. Vectorworks SmartCursor technology replaces manual drafting tools, so inexperienced CAD users can make the switch easily.

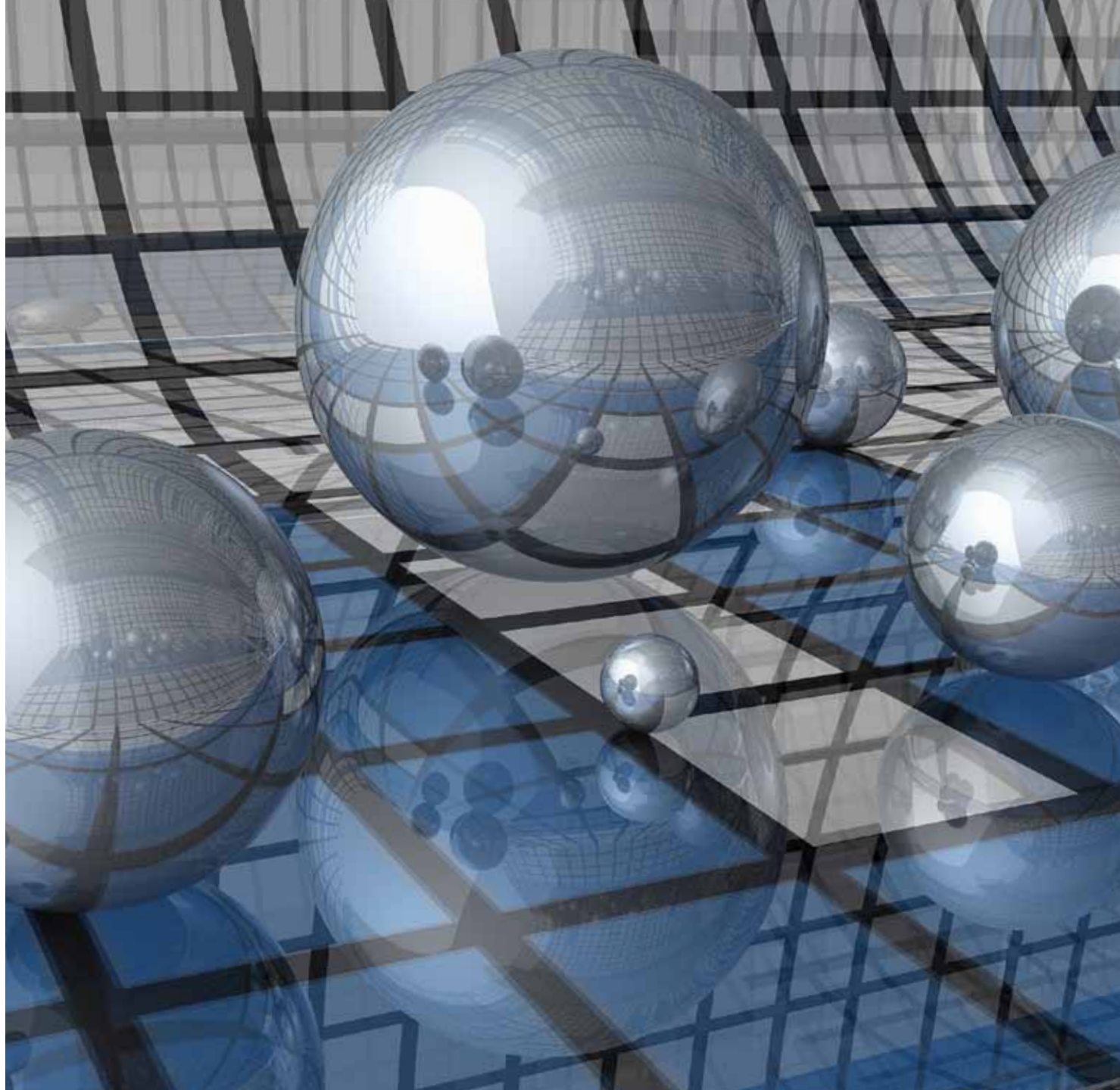
Tailored for Your Success

Work in tandem with the application. The Vectorworks Fundamentals program is designed to think the way you think. In addition to designing with lines, arcs, and circles, you can design with intelligent objects, surfaces, and solids. The objects are easy to edit and automatically display in both 2D and 3D views. With our Pascal-based scripting language, VectorScript™, you can program everything from simple scripts that automate routine tasks to full-blown commercial applications.



"Awesome! Brilliant! Thanks a million."

- Peter Cipes, Peter L. Cipes Building Design



Smart:

Make a Good Investment in Yourself

Affordable, customer-focused, and proven worldwide—the Vectorworks Fundamentals software is a smart investment in you.

Affordable

You won't find another professional design application that packs so much into such a reasonable price. In one package, you get state-of-the-art tools and technology and the ability to work from conception to completion—a great value. You also get free software updates and affordable upgrades. With free technical support and cost-effective training options, you get value far beyond your initial savings. We never force subscriptions, so you're free to upgrade when and how you choose. As your business grows, we add extra seats at a discounted price. We offer a lot of great value and no hidden fees.

Customer Focused

Relax. We're here for you every step of the way. Your relationship with us doesn't end when you install the software. That's just the beginning. We provide many channels for you to get the information you need. If you'd like training, take advantage of our multiple offerings: onsite, online, or in the classroom. If a technical issue stumps you, contact our technical support team for help. You can also tap into our Vectorworks community with over 450,000 enthusiastic users worldwide, as well as user groups on the local level. E-mail listservs provide assistance around the clock, or you can use our service directory and job board to find help.

Vectorworks users often find themselves in Internet-based dialogues with our engineers and managers. We take pride in cultivating lasting relationships with our users, and we translate their feedback into positive product developments. With your input, we can continue to develop software that exceeds your expectations. After all, your success is our success.



Courtesy of Barry Marshall, Barry Marshall Designs Ltd

Proven Worldwide

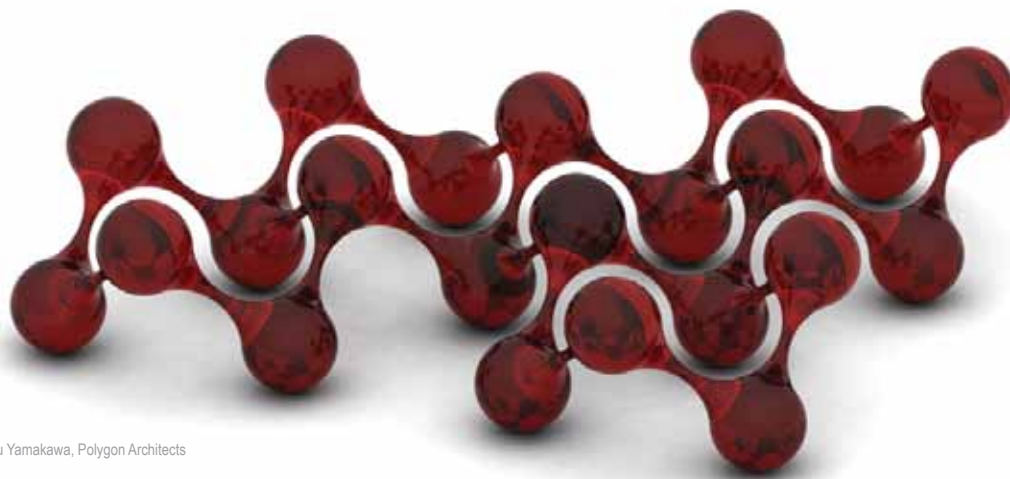
Be part of a long tradition of excellence. The company was founded 25 years ago, and the Vectorworks product line now counts more than 450,000 professional designers worldwide.

The Vectorworks product line is the best-selling cross-platform professional CAD software and the preferred application for world-renowned designers and artists, as well as countless others who move the design world forward every day.

The Vectorworks product line is produced by Nemetschek Vectorworks, Inc., a wholly owned subsidiary of Nemetschek AG, which is the world's leading IT company for the design, construction, and management of buildings and real estate. Nemetschek software solutions are used by professional designers in 142 countries and are available in eight languages.

With Vectorworks Fundamentals 2011, the tradition continues.

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Courtesy of Yoshinobu Yamakawa, Polygon Architects

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System Recommendations

Mac OS X 10.5.7 or later
QuickTime
Intel Core 2GHz or better
DVD-ROM drive (dual layer)
Screen resolution 1280 x 800 recommended
Display color depth 15 bit or higher

Windows XP SP 3
Windows Vista SP 2
Windows 7
QuickTime 7.6.0 to 7.6.6 (higher versions not recommended)
Pentium 2GHz or better
DVD-ROM drive (dual layer)
Screen resolution 1280 x 800 recommended
Display color depth 15 bit or higher

Vectorworks
RAM 1GB minimum, 2GB recommended
Hard drive space 10GB free

Vectorworks with Renderworks
RAM 2GB minimum, 4GB recommended
Hard drive space 10GB free

Vectorworks Designer
RAM 1GB minimum, 2GB recommended
Hard drive space 10GB free

Vectorworks Designer with Renderworks
RAM 2GB minimum, 4GB recommended
Hard drive space 10GB free

See www.vectorworks.net/sysreq/ for updated information.