

The Arch Way



The Newsletter for Friends of Archway Systems

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Upcoming Events:

Jan 11-13 — Rhino Level 1 Training Class @ Archway

Feb 1-3 — Rhino Level 2 Training Class @ Archway

Feb 8-10 — Pacific Design and Manufacturing 2011 @ Anaheim Convention Center

Mar 3 — NEI/Archway Morning Seminar @ Siemens in Cypress

Dell and Siemens Team for Integrated Workstation

If you are looking to expand your mechanical design workstations, here is an opportunity to explore. Dell and Siemens have teamed together to provide a state of the art workstation including preloaded Solid Edge ST3, a 3D mouse and more. Just open the box, plug it in, and you are ready to do productive design work with the very latest in hardware and software. No need to hassle with installation or licensing problems. You are ready to go! The workstation can be built on either a Dell T3500 or T7500. Archway will also include a free half day of training to get you going.



Dell T3500 Workstation

Z Printed 3D Models

Archway has a Z Printer which prints 3D Models. We offer service to make Z Printed 3D physical models that are useful for prototypes.

If you are interested in this service, email your 3D model and we will send you a no-obligation quote. If you say go, we will print and ship the model to you.

iRhino 3D — New App for iPad, iPhone & iPod

Rhino has released an app for iPad, iPhone, and iPod! iRhino 3D is an application that will allow you to show your designs and ideas right on your iPad, iPhone or iPod.

You can pan, zoom and rotate with just a tap or drag of your finger. There is a navigator that lets you scroll through thumbnails and quickly jump to whichever model you want.

You can load your Rhino models onto your device from web sites, Google Docs, email attachments or from iTunes. You can also save views as images for markup and emailing.

You can get all of this for only \$3.99! Check out the app store for more information and to download this great app!

Pacific Design and Manufacturing 2011: February 8-10

On Tuesday, February 8th, 2011, the Pacific Design and Manufacturing Trade Show will be held in Anaheim at the Anaheim Convention Center. It is a three day trade show that showcases the latest industrial design technology, CAD, CAM, PDM, plastic processing techniques and more.

You can meet face-to-face with suppliers of everything you need. All you need is to spend one day, or the full three days, talking and connecting with companies who can help you do what you do best. Archway's Stephen Peters will be in the NEI Software booth on Wednesday, February 9th showing Solid Edge ST3. Be sure to stop by!

Also on the Trade Show website, a week before the event, there will be a Find It! Tool which will help you find the companies you want to connect with and their booth numbers. This will help you make the most of your day at the show.

Check out the free educational sessions at the Innovation Briefs Theater which offers 30-40 minute free presentations from leading OEM suppliers on the latest developments and technologies of your industry.

For more information about this show or to register, check out the Pacific Design and Manufacturing website [here](#).

Who's Who at Archway Systems

Tom Lazear

Administration, Sales & Training

Josh Lazear

Webmaster , Z Support and Programming

George McMeans

Sales & Training in Nor. Cal.

Daniel Lazear

Programming

Mike Lazear

Programming & Support

Stephen Peters

Application Engineer

Phill Frye

Training & Consulting

Chris Grubb

Civil Engineering Software

Greg Hamano

Training & Support

Lauren Jansen

Marketing & Sales

Sandy Lazear

Accounting

Shannon Schoenberger

Marketing

Linda Grubb

Support and administration

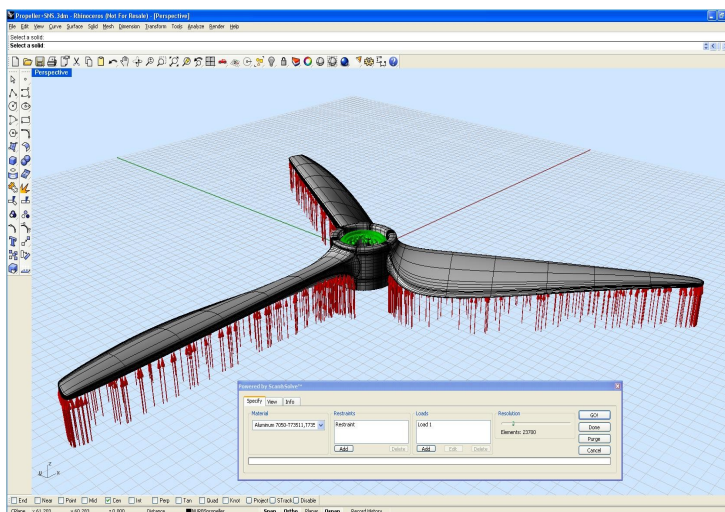
REPORT

Scan&Solve for Rhino Now Available

Scan& Solve is the new software available from Rhino to perform basic stress test on native Rhino solid models. With Scan&Solve there is no meshing or conversions necessary because it runs the tests on native Rhino models. You also don't need to have any prior knowledge of analysis or finite elements. All you need is a Rhino solid model and the Scan&Solve software to get started.

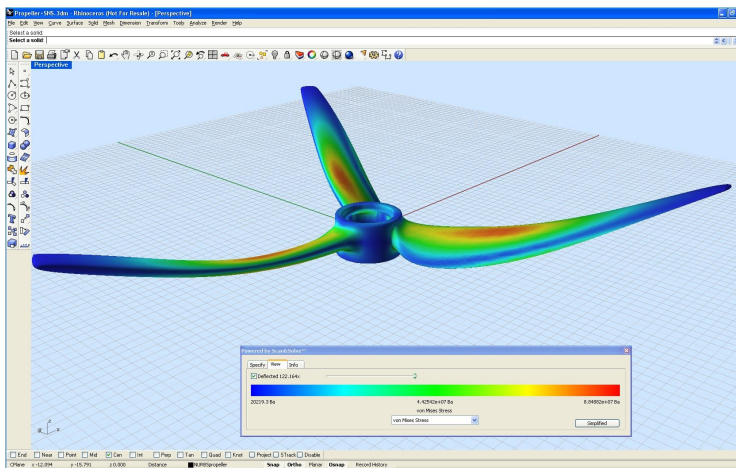
In this newest version, set to release this month, new features such as user selection of color scheme, adjustable legend ranges, querying the solution at user specified points, and saving ("Bake") the deformed shape.

The interface has also been updated. It supports visualization capabilities; the legend display has been moved for improved readability and better use of precious screen space. This newest release also improves the



Selecting the material and applying the restraints and loads

Scan&Solve Analysis Process



The results showing strength, weakness, stress and deformation

accuracy of computations in the vicinity of restrained faces.

It is one of the easiest add on analysis programs to use because it works on the native Rhino files. All you have to do is:

- Select the material
- Apply the restraints
- Apply the loads
- Click Go
- View the results including strengths, weaknesses, stresses, and deformations

Then you have two different options with your results. First you can click **Report** to generate web-ready reports of your results. Second you can click **Bake** to save the deformed shape.

Overall, it is a great analysis product developed by Intact Solutions. Check out the website [here](#) or contact Archway for more information.

Different Levels of Solid Edge

There are four different levels of Solid Edge available. Here we want to explain to you the differences so that you can best decide what works for you. If you would like any more information on any of these four levels, don't hesitate to contact Archway.

- **Solid Edge Design and Drafting**
This is the base package which includes Synchronous Technology, a unique method of providing history-free feature based design, parametric, feature-based solid modeling of holes, cutouts, and assembly tools that make it practical to work with large assemblies.
- **Solid Edge Foundation**
This package includes all of the features of the base package

as well as Rapid Blue, a series of unique capabilities for robust complex shape creation. It also includes process specific workflows and more.

- **Solid Edge Classic**
This package includes all of the features of the Foundation package as well as Femap Express, fully integrated design management with Insight, embedded assembly and BOM management, and much more.
- **Solid Edge Simulation**
This package has a finite element analysis functionality and is designed for structural analysis of parts and assemblies. Check out the article on page 1 for more information.

Archway's Product Line

Archway is a full service provider of technical software serving the Academic, Architectural, Civil and Mechanical Engineering markets.

DESIGN & ENGINEERING SOFTWARE:

- MicroStation, ProjectWise and applications
- VersaCAD Win & Mac
- Bentley Architecture & Generative Components
- InRoads, PowerCivil & Geopak Civil Software
- Haestad Hydraulic Analysis Software
- Hevacomp & Tas Software
- Solid Edge and applications
- Promis*e

3D GRAPHICS & ANIMATION SOFTWARE:

- Rhino 3D, Flamingo, Penguin & Bongo
- Bentley ProjectWise Navigator
- ArchVision libraries

COMPUTER PERIPHERALS:

- Z Corp 3D Printers

SERVICES:

- Training
- Phone support
- On-site support
- 3D Printing
- Customizing
- Consulting
- Contract software development
- CAD file translation

MyCADvideos.com

Checkout this site for free introductory videos and one hour webinars on the latest in CAD, FEM, and more.

ZPrinters

Just like new Z 450 at half the price! Archway turns our demo machine at least once a year, and it is time for our demo 450 to go. If you purchase our printer and put it under warranty, it is just like a new printer. There is no difference. A used printer under warranty is the same to you as a new printer under warranty, only you save \$20,000. Two parties have already expressed interest. If you are looking for a printer, don't wait! First come, first served.

PRODUCTS

ZPrinter[®] 450

World's Most Automated and Affordable Color 3D Printer



\$39,900*

* Manufacturer's Suggested U.S. List Price for Printer only. Options, shipping, local taxes and duties not included.