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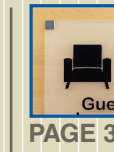
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# Laser FOCUS

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## WEB UPDATES

- **Sample Club: Wood Veneer Bookmarks:** [epiloglaser.com/sc\\_bookmark.htm](http://epiloglaser.com/sc_bookmark.htm)
- **Tech Library: Engraving Small Wood Photos with PhotoLaser Plus:** [epiloglaser.com/tl\\_small\\_wood\\_photos.htm](http://epiloglaser.com/tl_small_wood_photos.htm)
- **Sample Club: Engraved Oversized Novelty Pencil:** [epiloglaser.com/sc\\_pencil.htm](http://epiloglaser.com/sc_pencil.htm)
- **News: Epilog Laser teams with Anderson Ranch to Offer Laser Workshop:** [epiloglaser.com/news\\_anderson\\_ranch.htm](http://epiloglaser.com/news_anderson_ranch.htm)
- **News: Animated LED Light Cube takes Grand Prize in Epilog Challenge:** [epiloglaser.com/news\\_epilog\\_challenge\\_winner\\_2011.htm](http://epiloglaser.com/news_epilog_challenge_winner_2011.htm)

## Laser System Provides Precision, Repeatability for Architectural Model Maker

Cutting Edge Designs/Wild West Scale Model Builders utilize Epilog Laser for Model & Kit Creation.

Small business owners are always looking for the next tool or product that will allow them to produce and offer more value to their client base. That's exactly what Mike Pyne was looking for when he created Wild West Scale Model Builders - a family-owned and operated craftsman kit design/manufacturing company.

After Mike graduated with a master's degree in architecture, he decided to test his design and modeling skills and go into business for himself. He started Cutting Edge Designs upon graduating and, a year later, Wild West Scale Model Builders. The parent company, Cutting Edge Designs, specializes in museum-quality architectural models as well as graphic design. Wild West Models supplies premium, laser-cut wood craftsman structure kits to model railroaders. The common bond between Mike's two companies: Epilog Laser.

"When I started producing models for the architectural community and for model railroading, I knew a laser was the key to produce models with unequalled precision and repeatability," Mike tells us. "I had some hands-on experience with other laser systems so I knew what they were capable of. I also knew that, just like not all models are designed and manufactured equally, not all lasers are either.

"We needed a system to match our precision engineering and design standards. I wanted precise control over the quality of my designs. When it was time to get serious and purchase a laser, I did a lot of research and Epilog came out on top," he said.

"I met Epilog sales representative Ken Crowe at a local tradeshow and after talking with him all afternoon I was invited to Epilog's manufacturing facility to test files I had created on materials I work with most," Mike tells us. "It is the absolute best way, and in my opinion the only way, to test a laser system and learn the machine's

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Grant Park Building, Denver, CO.

We update our educational clinics regularly, so check [epiloglaser.com/educational\\_clinics.htm](http://epiloglaser.com/educational_clinics.htm) to find dates and venues for the coming year.

Location	Sponsor	Venue	Phone	Date
Verona, NY	Class Act Engraving	Turning Stone Resort 5218 Patrick Road Verona, NY 13478	P: (716) 984-7321	April 8, 9
Minneapolis, MN	Midwest Woodworking Solutions	3000 Harbor Lane Plymouth, MN 55447 (763) 559-1222	P: (763) 519-1406	April 15, 16
Valparaiso, IN	Fairway Laser Systems	Holiday Inn Express 1251 Silhavy Rd. Valparaiso, IN 46385 219-464-9395	P: (219) 462-6892	May 6, 7
Pittsburgh, PA	Class Act Engraving	Holiday Inn Pittsburgh Airport 8256 University Blvd. Moon Township, PA 15108	P: (716) 984-7321	May 20, 21
San Jose, CA	Advanced Marking Solutions	TBD	P: 800-974-1797	June 17, 18
Seattle, WA	Northwest Laser Systems	TBD	P: 877-623-1342	July 15, 16
Snowmass Village, CO	Anderson Ranch Arts Center & Epilog Laser	Anderson Ranch Arts Center 5263 Owl Creek Rd. Snowmass Village, CO 81615	P: (970) 923-3181	Aug. 15 - 19

## 2011 Educational Clinics and Laser Seminars



capabilities. After spending all day engraving and cutting on every material I brought and just about every other material in Epilog's sample area, I knew their systems had the best engraving, vector cutting, and speed of any models I had worked with or tested. But as with all things I purchase, I like to know who is going to be there if problems arise, or if I had any questions. This is where Epilog scored second to none," Mike said.

"We ended up purchasing a 75-watt Legend 32EX with dual heads, vector table, rotary device, and the support and service of the Epilog team back in late 2002. It is an unbelievable, precision-tuned work-horse that is still firing on all cylinders with the original laser tube and all original parts," Mike said. "In 2009, we added a 45 watt Mini 24. One word: WOW! After using it and increasing our output, we will soon to be ready for a Helix and maybe a FiberMark system. Though we specialize in modeling, we've also found success with side projects for the medical, industrial and wedding industries with our lasers.

"Epilog has allowed me to elevate my business and provide a superior-quality product," Mike said. "Whenever anyone asks me why I selected their product, I tell them precision, speed, design, components, expandability, reliability, innovation, and most importantly, all of the people who stand behind an Epilog Laser system."

For the online story visit [epiloglaser.com/cs\\_wildwest.htm](http://epiloglaser.com/cs_wildwest.htm)



Two-story outhouse model created by Wild West.

## Anderson Ranch Hosts Artistic Laser Workshop Aug 15–19

While many of our customers have seen the immense versatility and value a laser could bring to the artistic realm, there are few opportunities to get a true hands-on experience of what the laser can really offer to an artist. World renowned art facility, Anderson Ranch, has invited Epilog to work with people interested in exploring these capabilities in a five-day workshop this summer.

"Epilog is close to home and we're very familiar their laser line," said Jason Speich, sculpture studio coordinator. "We're thrilled to have them on board to show artists this exciting technology and how it can help turn their ideas into reality."

The course will be instructed by Epilog Laser's Senior Graphic Designer, Ben Sieber, who received his associate of fine arts degree from Mississippi Gulf Coast Community College, and a Bachelor of Arts in graphic design from the Art Institute of Colorado, and has been with Epilog Laser over six years.

"We're seeing a huge increase in laser usage among artists of all varieties," Sieber said, "and we're excited to be part of the education process in this growing area. I'm looking forward to helping students understand our laser technology, the projects they're able to create, and the materials they're able to use to bring their creative multimedia visions to life.

"The beauty of the laser is that it works with so many materials, users are limited only by their imaginations," Ben said. "Because our systems work with so many different mediums, artists can use them to engrave or cut parts or pieces to a particular project or create one entire work of art on a specific material."

During the five day course, you'll stay at Anderson Ranch located near Aspen, CO in Snowmass Village. Anderson Ranch is a world leader in the growth and development of the visual arts, in the international dialogue that inspires common humanity through art making, and in the creation of a campus imbued with a spirit of community, challenge, support, exploration, innovation and discovery.

Through its programs, Anderson Ranch successfully implements a deeply-held belief that for artists to explore their potential, fully equipped facilities, skilled, helpful and exemplary artistic staff, and cutting-edge technology must be available.

The workshop runs from August 15 – 19 and is open to students and engravers of all artistic skill levels.

The cost of the course is \$1000 and covers the tuition and studio fee.

## Technical Library: Different Marks You Can Achieve on the FiberMark

There are many different applications or finished "looks" fiber laser systems were designed to achieve. All of these looks are created using various speed, power, frequency and focus settings on the fiber laser system.

Etching is often used for industrial purposes – marking tools or parts with serial numbers, logos and bar codes. The etching process actually removes material from the metal.

Polished metal, or "mirrored" as it sometimes called, is a laser effect where the laser beam heats the surface of a material and as it cools, the material takes on a different finish.

An annealed mark is similar to the polishing process. The laser is used to heat metal to near melting points, which induces a color change to the top layer of material. Depending on the metal type, annealing often gives a dark, almost iridescent look.

### Etching Settings:

Speed: 8-30%  
Power: 100%  
Frequency: 1-10%  
Focus: -0.020" to +0.020"

### Polishing Settings:

Speed: 50-80%  
Power: 30-50%  
Frequency: 70-100%  
Focus: 0

### Annealing Settings:

Speed: 6-12%  
Power: 100%  
Frequency: 1%  
Focus: -0.060" to -0.090" or  
+0.70" to +0.010"



Instructions continued online...

For complete instructions visit [epiloglaser.com/tl\\_fm\\_marks.htm](http://epiloglaser.com/tl_fm_marks.htm)

## Sample Club: Laser Cut Multimedia Signage

Creating signage is one of the most popular applications for Epilog Laser systems. As more and more shop owners will attest, using the laser to create sophisticated, multi-dimensional signage is significantly faster than using traditional sign-making methods.

This particular sign is made from a variety of laser cut materials - when combined the elements of plastic, acrylic and laser foil create a clean, simple, yet sophisticated piece of signage.

You'll need:

- 1/4" thick Frost Crystal Ice acrylic - available from Rowmark.
- 1/16" thick wood laminate acrylic - available from Rowmark.
- 1/16" adhesive-back plastic - available from IPI Plastics.
- Brushed silver laser foil - available from Studio Workshop.
- Double-sided tape.

For this project we used a 50-watt Helix and followed the manual's recommended settings for acrylic and plastic. Remember to consult the owner's manual for your machine to determine proper settings.

Instructions continued online...

For complete instructions and to download the sample file visit [epiloglaser.com/sc\\_signage.htm](http://epiloglaser.com/sc_signage.htm)



○ ENGRAVING | ○ CUTTING | ○ MARKING

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