Changing What You Expect From a Laser

In 1988 Epilog Laser became the very first manufacturer of small-format laser engraving systems. Epilog's revolutionary systems opened the world's eyes, not only to what could be accomplished with a laser, but how easy a laser is to use. After many firsts in laser technology, Epilog is proud to still be known throughout the world as the name in small-format laser systems.

Explore our laser brochure to learn more about our 100% made-in-the-USA laser systems and to find out why Epilog Laser has been the top choice of engravers for over 25 years.

After you have reviewed our brochure, give our Sales Team a call at +1 303.277.1188 with any questions or to set up a demonstration.

The Leader in Engineering

We are an engineering company at our core. Every aspect of our laser systems are designed and engineered for excellence.

We build our laser systems to last. Put our systems to the test by running the most detailed graphics at the highest speeds. Shake our chassis and feel how rigid it is. Bring in your most diligent engineer and let them be impressed.

Since 1988, when we manufactured the very first small-format laser engraving system, we have been known throughout the world as the leader in laser system design and engineering. In fact, our pioneering technology and innovative solutions are at the core of most lasers currently on the market. From our system speed, to the engraving quality, to the long life of our machinery, you won't find a better built machine on the market.

What is a CO2 Laser System?

The best way to describe how our lasers work is to compare the system to your printer. Using similar technology, we take the images you typically print to paper, but instead we fire a CO2 laser beam that engraves and cuts your design on a wide variety of materials.

We’ve designed our systems to be the safest, easiest-to-use machinery on the market. Additionally, all of our systems are interlocked for safety and can be used in any environment - from the shop floor, to the office, even in your home.
What Will You Create?

Business Opportunities

- Electronics Engraving
- Wood Engraving & Cutting
- Marble & Stone Etching
- Glass Etching
- Corporate Giveaways
- Laptop & MP3 Player Customization
- Acrylic & Wood Signage
- Wedding Memorabilia
- Nameplates & Desksets
- Appliqués
- Toys & Games
- Wooden Models
- Photo Albums
- Holiday Decorations
- Laser Cut Cards & Invitations
- Custom Jewelry
- Corporate & Sporting Awards
- Acrylic Plaques
- Photo Frames
- One-of-a-Kind Gifts
- Engraved Mirrors
- Architectural Models
- Custom Pet Tags
- Inlaid Signage
- 3D Models
- Engraved Denim Jeans
- Photo Engraving
- Barcode Engraving
- Logo Engraving on Parts
- Tool Identification
- Medical Part Marking
- And much more!
Print to the Laser
Send your image to the laser. In the print driver you’ll select the laser parameters you want to use, or select a preset material setting from Epilog’s extensive database.

And Start Engraving
Select your file at the laser, put your engraving material in the machine, shut the door, and press GO. The laser will do the rest!

Laser Dashboard: An Easy-to-Use Print Driver
To make the laser as easy to use as possible, we have developed an intuitive print driver that we call our Laser Dashboard that acts as your interface to the laser. Instead of a complicated, proprietary software program all you need to do is install the laser just like you would a printer, then use the Dashboard to print your files to the laser. It’s that easy! All of the settings for the laser are available from the driver, including:

- Speed
- Power
- Resolution
- Color Mapping
- Stamp Creation
- 3D Engraving
- Photo Dithering Patterns
- Saved Material Settings
- Auto Focus
- Center-Center Engraving
- Vector Sorting Order
- Firmware Updates

Materials

<table>
<thead>
<tr>
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<tr>
<td>Titanium</td>
<td>*</td>
</tr>
<tr>
<td>Bare Metal</td>
<td>*</td>
</tr>
</tbody>
</table>

* CO2 lasers will mark bare metals when coated with a metal marking solution. For more information, call (+1) 303.277.1188.

Design Your Project in the Software of Your Choice
We’ve designed the lasers to work with the best graphic design program available - the one you’re already using! Our open-architecture software design allows you to use almost any Windows®-based software to design your projects, so you’re spending your time learning to engrave and cut, not learning new software. CorelDRAW, Illustrator, Photoshop, AutoCAD, and many other programs can all be used to create your designs. What does this mean to you? Flexibility. Anyone who can operate a computer can operate the laser. There’s no long, expensive training process required to keep your laser running.

Features Designed to Make Job Setup Quick and Easy

- Speed
- Power
- Resolution
- Color Mapping
- Stamp Creation
- 3D Engraving
- Photo Dithering Patterns
- Saved Material Settings
- Auto Focus
- Center-Center Engraving
- Vector Sorting Order
- Firmware Updates

Ethernet/USB/Wireless Networking
There has never been a laser system that’s as easy to set up as an Epilog. All Epilog Laser systems are true network devices with a true Ethernet connection (16 times faster than USB connectivity), a USB connection, or you can even connect wirelessly through a router. We’ve designed the laser to work like a printer, while being safe enough to use in an office environment.

How to Create a Project

Setup Your Page
Create a new page in your graphic software and set the page size to match the size of the piece you will be engraving.

Import Your Image
Import or create your own initial design. It can be in any graphic format, but the higher the quality, the better the engraving will turn out.

Add Text
Add any text you want to include and finish your design just like you would if printing the image to paper.

Print to the Laser
Send your image to the laser. In the print driver you’ll select the laser parameters you want to use, or select a preset material setting from Epilog’s extensive database.

And Start Engraving
Select your file at the laser, put your engraving material in the machine, shut the door, and press GO. The laser will do the rest!
Epilog Zing Starter Series

The Epilog Zing 16 Laser
Small-size, entry-level laser system that is perfect for starting a business or to operate out of your home, office or school.
• Affordable pricing for the entry-level user.
• 16” x 12” x 4.5” (406 x 305 x 114 mm) work area is a great size for custom engraving individual pieces.
• Power choices of 30 or 40 watts.

The Epilog Zing 24 Laser
Larger work area and more features make this laser an affordable choice for those needing more features than an entry-level machine.
• 24” x 12” x 7.75” (610 x 305 x 197 mm) work area.
• Radiance® High-Resolution Optics for a smaller laser spot size across the table.
• Power choices up to 60 watts to engrave faster and cut through thicker materials.
• Epilog’s Super-Silent™ cooling fans for quiet operation.
• Easy-Access, Drop-Down Door for inserting a jig of parts in the system.

Affordable, High-Quality Engraving
When Epilog Laser designs an entry-level system, it’s anything but entry-level quality. We are renowned for our systems’ unmatched engraving detail, and we’ve carried that through to our Zing Laser Starter Series.

Can I Start a Business with an Epilog Zing?
The Epilog Zing Laser is becoming a fast favorite for those looking to start a profitable business. The affordable price coupled with the system’s versatility are an ideal combination. Plus, with low lease-to-own monthly payment options, you can pay for the system as you make money!

Why the Epilog Zing Laser?
Of all the low-cost laser systems on the market, why is the Epilog Zing the top choice for most laser buyers? The Epilog Zing is unique in its ability to provide you with high-resolution engraving and cutting at a very low cost.
• You can network the laser to several computers with a standard Ethernet connection.
• Epilog’s Virtual Training Suite will walk you through several projects - and you’ll have finished samples when you are done!
• Our Made-in-the-USA quality is unmatched.
• We have an unbeatable technical support team that will get (and keep) you up and running.

Stunning engraving results will keep customers coming back to your business. Without sacrificing quality, Epilog allows you to get the machine you need at a price you can afford.

Engrave a high-resolution image on an Epilog Zing and a competitor’s machine - you’ll see that the Zing Laser is the choice for high-quality engraving at the fastest speeds for an entry-level laser system.

Epilog Zing Laser FAQs
Q: Can your Starter Series create the same quality engravings that I see from the rest of Epilog’s product line?
A: Yes! Even our famous Aztec Calendar sample is engraved on the Epilog Zing Laser. The Epilog Zing is not as fast as our Legend or Fusion Series, but the image quality is pure Epilog.

Q: Does the same laser work on every material you show?
A: Yes! From wood to acrylic to marble to glass, just adjust your speed and power settings for the different materials you want to engrave.

Q: Can I make money with an Epilog Zing Laser?
A: Yes! Personalization and customization of products is in high demand and adds amazing value to any product you create.

Q: How difficult is it to get started engraving on the Epilog Zing?
A: If you know how to use graphic design software, you can be up and running in minutes. Initially, there will be a bit of trial and error to learn what power and speeds to use with different materials, but we include a comprehensive guide with your system that has recommended laser settings for common materials.

Can I Start a Business with an Epilog Zing?

The Path to a Successful Engraving Business
Epilog offers a guidebook to starting your own laser business that lays the groundwork for establishing your own business. This valuable resource includes information on preparing a business plan, pricing structures, marketing and more!

www.epiloglaser.com/guide

Affordable, High-Quality Engraving

Easy to Set Up and Begin Engraving
If you already use any graphic design software, you can be up and running on the Epilog Zing Laser in no time. Just install the print driver and start creating your projects!
• There is no special software to learn (no expensive training of new employees).
• Receive free, ongoing access to our Virtual Training Suite.
• Hook up your laser through USB or Ethernet connections or even wirelessly with a router.

Epilog Zing Laser FAQs

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When you are cutting through materials, the Zing’s Vector Grid will quickly become one of your favorite accessories. The grid raises the material you’re cutting off the table, which dramatically reduces back-side burning on any material you cut. The air space below the vector grid is connected to the exhaust, so smoke is removed not only from the top side of the material, but also from the underside.

Zing 24 Rotary Attachment

Engrave wine bottles, mugs, glasses, flashlights or any other cylindrical item up to 5.25” (133.4 mm) in diameter on the Epilog Zing 24 Laser. So intuitive and easy to use, you can switch from one glass to the next in seconds - without even removing the attachment from the engraver! In addition, our proprietary design provides accurate image scaling, so there’s no need to input diameter or circumference calculations.

Air Compressor

Attach Epilog’s Air Compressor to the Air Assist Curtain to direct a constant stream of air over the work surface. This high-quality compressor ensures you get excellent cutting results every time you use your system. This air compressor unit feeds 30 psi (2.07 bar) of air through the Air Assist structure, giving you the best cutting results available.
Epilog Legend Series Laser Systems

Epilog Mini 18 and Mini 24 Laser

Looking for a system that features the latest technology with faster engraving times than the Starter Series, but still offers a small work area? The Epilog Mini 18 and 24 Lasers are an ideal way to break into our Legend Series.

- High-Speed Servo Motors and Linear Encoder driven.
- Two Sizes:
  - Mini 18: 18" x 12" x 4" (457 x 305 x 102 mm)
  - Mini 24: 24" x 12" x 5.5" (610 x 305 x 140 mm)
- Mini 24 also features our Radiance™ High-Resolution Optics.

Epilog Helix Laser

For engravers looking to work with larger engraving pieces, the Epilog Helix is an ideal choice. The Helix’s generous 24" x 18" x 8.5" (610 x 457 x 216 mm) engraving area will allow you to engrave multiple pieces as well as thicker materials.

- Radiance™ High-Resolution Optics for a smaller laser spot size across the table.
- Easy-Access Drop-Down Door for loading jigs from the front of the machine.
- Easy-Access Storage Stand to easily move your laser throughout your office, workshop, or school.

Epilog Legend 36EXT Laser

The Legend 36EXT is our top-of-the-line system in the Legend Series. With a robust design to tackle the most challenging projects, the 36EXT provides the highest quality engraving and cutting capabilities and features a large 36" x 24" x 14" (914 x 610 x 355 mm) work area.

- Permanent job storage of the jobs you access most often.
- Power choices up to 120 watts for the fastest engraving and deepest cutting capabilities.
- Robust, self-lubricating, stainless steel bearings
- Double-wide Kevlar belts.

Features of the Epilog Legend Series

Made-in-the-USA Quality: Designed, engineered, and built in Golden, CO.

Accupoint™ Motion Control: Firing the laser in the right place at the right time.

Laser Dashboard™: Our print driver where you can choose from many engraving features.

Linear Encoders: Highest quality engraving from the most precise motion control system.

Long-Lasting Bearings: Stainless steel bearings designed to last the life of the machine.

Fits Through Standard Door: Even the large format EXT fits through a standard doorway.

Kevlar Belts: Our precision drive belts are made from B-style Kevlar for superior life.

Waveguide Laser Tubes: Long lasting, all-metal tubes for the best engraving quality.

High-Speed Servo Motors: Faster servo motors that provide high resolution engraving.

Raster/Vector Color Mapping: Change your speed and power by using color settings.

Air Assist: Remove heat and combustible gases from the cutting surface.

Auto Focus: Automatically focus the engraving table to the correct focal distance.

3D & Stamp Engraving Settings: Etch & cut stamps or create 3D curves on your engraving.

Networking Choices: USB and Ethernet connections, or connect wirelessly with a router.

Lenses Rated to 500 Watts: Highest-quality lenses provide long life and higher resolutions.

Moveable Home Position: Engrave odd-shaped items easily by setting a new home position.

Red Dot Pointer: Provides a visible laser beam to help position your projects.

Compatibility with Rotary Attachment: Engrave glasses and mugs with the optional Rotary.

Integrated Vector Cutting Grid: Lifts the piece being cut to reduce back-side burning.

Integrated Vacuum Table: Holds down thin sheet stock.

Super-Silent™ Cooling Fans: Quiet operation by reducing time fans are turned on.

Permanent Job Storage: Store the jobs you run most often at the laser (up to 10, 2 mb files)

Job Delete at the Laser: Delete old jobs to keep your laser job queue organized.

Vector Table Crumb Tray: Easily dispose of debris from under your Vector Cutting Grid.

Easy-Access Drop-Down Door: Front access door for the laser system.

Radiance™ Beam Enhancing Optics: Higher resolution optics for detailed engraving.

Easy-Access Storage Stand: Included wheeled, free-standing cart for easier access.

Emergency Stop Button: Stop the laser immediately with this front-positioned button.

Inside Focus Button: With the door raised, easy access to focus the laser.

Brushless Servo Motors: Most robust servo motors that are available.

Self-Lubricating Bearings: Decrease maintenance with self-lubrication of the bearings.

Radiance™ High-Resolution Optics

Our Radiance™ High-Resolution Optics help us produce the sharpest laser beam in the industry, which provides the most detailed engraved and cutting results available. After the laser beam leaves the laser tube, it passes through a set of two optical components that straighten and expand the beam. This set of optics dramatically reduces beam divergence and produces a laser beam that maintains its size and straightness across the entire engraving table.

- Lower power density: When focused to a smaller spot, the beam's power density increases for more power in a smaller area, and a deeper, darker mark.
- Higher power density: When focused to a smaller spot, the beam’s power density increases for more power in a smaller area, and a deeper, darker mark.
- Rounder spot size: A laser spot that is as close to circular as possible produces laser characteristics that are the same in both the X and Y directions, providing crisper, more consistent engraving and cutting.

** Super-Silent Cooling Fans not available with Legend EXT 120-watt configuration.
The Precision of the Accupoint™ Motion Control System

Firing the laser in the right place at the right time is the concept behind the Legend Accupoint™ Motion Control Technology. While it’s easy to see the extraordinary level of detail in our engravings at any resolution, the engineering behind our equipment is what makes this accuracy possible. At 1200 dpi, the entire motion control system is moving in increments as small as .00008” (.02 mm), which is the result of a special blend of high-quality components available only on the Legend Series.

Linear Encoder

For the most precise method of determining the laser position, the Accupoint system utilizes linear encoders. These encoders provide critical timing information that synchronizes the motion control system to the firing of the laser. Mounted directly to the moving carriage, the linear encoders provide crisp, clean images, even at the highest speeds.

Long-Lasting Stainless Steel Bearings

Epilog’s bearings provide the accuracy, repeatability and precision that demanding laser applications require. Built with at least 64 stainless steel bearings in each slider unit, our long-lasting bearings can operate at the highest speeds, day in and day out without worry about failure, replacement, or the inevitable wobble that less robust bearing systems experience.

Servo Motors

The ability of a motor to move smoothly at high speeds is a key component to the Accupoint System. Closed-loop, DC servo motors are known for their incredibly fast acceleration and deceleration speeds, as well as their ability to operate without the cogging seen in less accurate motors.

Integrated Vector Cutting Grid and Vacuum Table

The Vector Cutting Grid is integrated into every Legend Series laser and is a robust 1” (25.4 mm) thick. Simply remove the Task Plate and place the Vector Cutting Grid in the system to dramatically reduce backside burning of the material being cut. The Vacuum Hold-Down Table uses the air from under your exhaust fan to hold thin sheet stock flat.

Epilog Legend Series Laser Systems

Components of the Accupoint System

Rotary Attachment

This handy attachment gives you the ability to engrave mugs, bottles, glasses, flashlights, vases, and other cylindrical items. Designed for ease of use, you can quickly engrave a glass, move to a wine bottle, then to a vase without removing the attachment. Place your item on the rotary and start engraving!

Air Compressor

Available to work with the included Air Assist feature, the compressor will direct a constant stream of air to the cutting surface to remove heat and combustible gases.

Mini Laser Stand

If you prefer to have a free-standing Mini 18 or 24, you can add this wheeled cart, specially designed for the Mini Laser line. It will allow you to quickly and easily move your machine throughout your work environment.

Vector Pin Table

The Vector Pin Table incorporates moveable pins designed to raise and support the areas of a piece of material that won’t be cut. This helps ensure you receive the cleanest side cuts from your laser system.

Optional Lenses

1.5” Lens: High-Resolution Engraving

Although the standard 2.0 inch lens on the Legend Series provides amazing detail (including the stunning Aztec Calendar sample), our 1.5 inch lens assembly has been designed for the highest resolution engraving and etching of extremely small fonts.

4.0” Lens (Mini 24, Helix, and 36EXT)

The 4.0 inch lens produces a focused beam over a longer vertical distance, which makes it ideal when engraving within a recessed area of a product, such as inside a bowl or plate.

Cone Lens (36EXT Only)

If you are cutting through thicker hardwoods and acrylics, the Cone Lens may be the right choice for you.

Double Head Attachment (EXT Only)

Engrave two identical products at the same time by splitting the laser beam in two. With the large 36” x 24” x 14” (914 x 610 x 292 mm) work area of the Legend 36EXT, users are able to dramatically increase their engraving and cutting throughput with the Double Head Attachment.

Accessories of the Epilog Legend Series
Epilog Fusion Laser

The New Epilog Fusion Laser
The newest addition to our product line, the Fusion Laser is outfitted with our new motion control system for higher speeds and the best edge quality when cutting. This will change what you expect from a laser!

We’re excited for you to try out our premier laser with unmatched speeds and cutting quality!

- 32” x 20” x 14.25” (813 x 508 x 362 mm) engraving area.
- Power choices up to 75 watts.
- Exceptional flame polished edge cuts.
- Large viewing door with LED lighting.
- Robust table lifts 100 lbs (45.4 kg).

Incredibly Strong, Rigid Chassis
By designing an all-steel chassis that can withstand the fastest laser head movement, we’ve improved our motion control system, cutting quality and even our engraving speed. The chassis on the Fusion is 10 times stronger than on any of our other systems and it shows in the results!

Curved Glass Window with LED Lighting
There is nothing better than watching the magic of the laser in action, so we’ve added a large, curved glass window and LED lit work area to allow you to see everything that is happening inside the laser system. The LED lighting will also assist you in setting up projects in even the darkest work areas.

High-Speed, Brushless Servo Motors
The Fusion’s high-speed, brushless servo motors are more robust than ever before. These powerful, industrial motors are the longest lasting on the market and are built to withstand the most rigorous engraving jobs while maintaining a low operating temperature. These provide the industry’s highest resolution at 16,000 encoder counts per revolution.

Features of the Epilog Fusion Laser
- Made-in-the-USA Quality: Designed, engineered, and built in Golden, CO.
- Laser Dashboard™: Our print driver where you can choose from many engraving features.
- Epilog Control Center™: Job management software including job time estimator/recorder.
- Joystick Controls: Move the laser head and run the laser directly from the control panel.
- Large Tempered Glass Door: Oversized door for better viewing of the engraving project.
- LED Lighting: Bright LED lighting inside the machine.
- Strong Steel Chassis: 10x more rigid than any of our other systems.
- Rotary Encoders: Extremely accurate at 16000 counts per revolution.
- Self-Lubricating Bearings: Stainless steel bearings designed to last the life of the machine.
- Precision Drive Belts: Strong drive belts with Kevlar on the x-axis and steel cord on the y-axis.
- Pneumatic Assist Crash Bar: Protects x-axis from user error if table rises too high.
- Waveguide Laser Tubes: Long lasting, all-metal tubes for the best engraving quality.
- Advanced Vector Controls: Adjust power compensation and speed for highest cutting quality.
- Laminar Air Flow: Streamlined air flow for the most efficient smoke and vapor removal.
- High-Speed, Brushless DC Serve Motors: Withstands the most rigorous engraving jobs at high speeds.
- Raster/Vector Color Mapping: Change your speed and power by using color settings.
- Air Assist: Remove heat and combustible gases from the cutting surface.
- 3D & Stamp Engraving Settings: Etch & cut stamps or create 3D curves on your engraving.
- Networking Choices: USB and Ethernet connections, or connect wirelessly with a router.
- Lenses Rated to 500 Watts: Highest quality lenses provide long life and higher resolutions.
- Moveable Home Position: Engrave odd-shaped items easily by setting a new home position.
- Red Dot Pointer: Provides a visible laser beam to help position your projects.
- Compatibility with Rotary Attachment: Engrave glasses and mugs with the optional Rotary.
- Super-Silent™ Cooling Fans: Quiet operation by reducing time fans are turned on.
- Job Delete at the Laser: Delete old jobs to keep your laser job queue organized.
- Easy-Access Drop-Down Door: Front access door for the laser system.
- Removable Back Exhaust Panel: Provides easy cleaning of the exhaust plenum.
- Radiance™ Beam Enhancing Optics: Higher resolution optics for detailed engraving.
- Easy-Access Storage Stand: Wheeled, free-standing cart for easier access.
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- Easy-Access Storage Stand: Wheeled, free-standing cart for easier access.
- Emergency Stop Button: Stop the laser immediately with this front-positioned button.
- Made-in-the-USA Quality: Designed, engineered, and built in Golden, CO.
Epilog Fusion Laser

Advanced Motion Control
The Fusion Laser’s advanced motion control system is the result of years of development. The robust servo motors incorporate extremely accurate 16,000 count per revolution encoders - which equates to over 20,000 counts per inch for the X-motor. What does that mean for you? Higher-speed engraving, quicker-ramping speeds, and the highest-quality engraving and cutting.

Flame Polished Edge Cuts
By redesigning our motion control system, you can now achieve the best edge quality on laser-cut acrylic that we’ve ever seen on a small-format laser system. The premier motion control also provides the fastest cutting on thin materials with improvements in cutting speeds up to 150% on 1/8” (3 mm) wood!

Epilog Control Center™
For the most advanced project management, we’ve designed the Epilog Control Center™ to communicate with the laser bidirectionally. When you enable the ECC, you’ll be able to use a job time estimator and recorder that will provide you with an estimated amount of time to run a job as well as saved jobs you’ve run in the past. You’ll also be able to use interactive positioning features to set precise table coordinates and table height.

Temperature Sensor/Emergency Stop Button
Operator safety is a top priority at Epilog. That’s why we’ve built a temperature sensor into the Fusion as well as including an emergency stop button. These built-in features not only help ensure the safety of your employees and work space, but also help protect the machine and increase its longevity.

Drop-Down Front Door
Parts placement in the Fusion Laser can be easily accomplished by placing the part or tray of parts through the hinged, front-access door. This safety-interlocked door provides fast and efficient parts placement and removal.

Removable Exhaust Panel
Keeping your machine free of debris is the key to a long-lasting system. One of the areas of the system most prone to dirt collection is the exhaust plenum. On the Fusion Laser you can easily remove the exhaust panel with a few simple screws for easy access to clean the back of the system.

Accessories of the Epilog Fusion Laser

Rotary Attachment
Engrave cylindrical items, including glasses, mugs, vases, wine bottles and much more with our easy-to-use Rotary Attachment. Designed for usability, you can switch from one item to the next in seconds. The attachment easily adjusts for different lengths and will even rotate cylinders that have different diameters on each end.

Vector Pin Table
The Pin Table incorporates moveable pins designed to raise and support the areas of a piece of material that won’t be cut. This helps ensure you receive the cleanest side cuts from your laser system.

Optional Lenses
1.5” Lens: High-Resolution Engraving
For engraving small fonts and some high-resolution engraving.

4.0” Lens
Ideal when engraving within a recessed area of a product or for cutting thicker materials.

Cone Lens
For cutting through thicker hardwoods and acrylics.
A Different Wavelength for Metal Etching and Plastic Marking

Epilog also offers fiber laser systems. Featuring an air-cooled Ytterbium fiber laser source, these are the ideal systems for direct metal etching and marking, as well as plastic marking of engineered plastics. Operating at a wavelength of 1062 nm with a flying-optic design, the FiberMark Laser etches directly into metal and marks a wide variety of plastics with an incredibly simple interface that allows you to print to the laser from almost any Windows®-based software, including AutoCAD, BarTender, CorelDRAW and Illustrator.

The Epilog FiberMark 24 Laser

Our original FiberMark featuring a large work table and the ability to etch directly on metal and plastics.
- 24” x 12” x 5” (606 x 305 x 127 mm) work area.
- Power choices of 10 to 50 watts.
- 30% less expensive than a traditional YAG laser.
- Mark all types of metals and many plastics.

The Epilog FiberMark Fusion Laser

Larger work area and higher marking speeds make this laser a great choice for customers needing a larger work area and more throughput.
- 32” x 20” x 13.25” (812 x 508 x 336 mm) work area.
- Advanced laser vector marking capabilities.
- Higher marking speeds across the table.
- Large viewing door with LED lighting.
- Job Management Software with job time estimator/ recorder and interactive positioning features.

Epilog Fiber Laser Series

A Different Wavelength for Metal Etching and Plastic Marking

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Technical Specs

Epilog Zing Laser Series

Epilog Laser Legend Series

Epilog Fusion Laser Series

### Technical Specifications

#### Epilog Zing Laser Series

- **Maximum Engraving Area:**
  - Zing 16 Laser: 10" x 13" (254 x 330 mm)
  - Zing 24 Laser: 10" x 13" (254 x 330 mm)

- **Max Warranty Thickness:**
  - 4.5" (114 mm)

- **Laser Tube Wattages:**
  - 30 and 40 watt, air-cooled all-metal Waveguide tube, 1064 micrometers.
  - 50, 50, 60 and 60 watt, air-cooled all-metal Waveguide tube, 1062 micrometers.
  - 60w, 75w, and 75w, air-cooled all-metal Waveguide tube, 1052 micrometers.

- **Weight:**
  - 24.7" x 22.125" x 11.75" (W x D x H)

- **Print Interface:**
  - 10Base-T Ethernet or USB Connection. Compatible with Windows XP/Vista/7/8.

- **Resolution:**
  - User-controlled from 100 to 1000 dpi.

- **Belts:**
  - Advanced B-style Kevlar Belts (x-axis)
  - Steel Cord (y-axis).

- **X-Axis Bearings:**
  - Shielded roller bearing assembly on a ceramic-coated aluminum guide rail.

- **Intelligent Memory Buffer:**
  - Store in a buffer unlimited files up to 64 MB.
  - Rolling buffer allows files of any size.

- **Motion Control System:**
  - High-speed micro step motors.

- **Air-Assist:**
  - Advanced B-style Kevlar Belts.

- **Thermal:**
  - User-controlled from 600 to 10000 rpm.

- **Power and Control (engraving depth):**
  - Color mapping feature links Speed, Power, Frequency, and Raster. Vector modes are set to any RGB color.

- **Print Interface:**
  - USB3.0 Ethernet or USB Connection. Compatible with Windows XP/Vista/7/8.

- **Fan:**
  - 650 CFM (1104 m³/hr) external exhaust to the outside or internal filtration unit is required.

- **Electrical Requirements:**
  - 120 to 240 volts, 1.5 to 1.6 amp, 50 to 60 Hz single phase.

- **Approximate Weight:**
  - 50 lbs (23 kg).

- **Laser System Classification:**
  - Class 2 Laser Product - 1 mW CW MAXIMUM 650-700 nm

#### Epilog Laser Legend Series

- **Maximum Engraving Area:**
  - Legend Mini 18 Laser: 8" x 12" (203 x 305 mm)
  - Legend Mini 24 Laser: 8" x 12" (203 x 305 mm)
  - Legend Hals Laser: 24" x 18" (605 x 457 mm)
  - Legend Legend MEXT: 30" x 24" (762 x 609 mm)

- **Max Warranty Thickness:**
  - 5.5" (140 mm)

- **Laser Tube Wattages:**
  - 30, 40, 50, 60, and 75 watt, air-cooled all-metal Waveguide tube, 1052 micrometers.

- **Weight:**
  - 24.7" x 22.125" x 11.75" (W x D x H)

- **Print Interface:**
  - 10Base-T Ethernet or USB Connection. Compatible with Windows XP/Vista/7/8.

- **Resolution:**
  - User-controlled from 75 to 1200 dpi.

- **Belts:**
  - Advanced B-style Kevlar Belts.

- **X-Axis Bearings:**
  - Ground and polished stainless steel Long-Lasting Bearing system.

- **Intelligent Memory Buffer:**
  - User-controlled from 75 to 12000 rpm.

- **Thermal:**
  - User-controlled from 75 to 12000 rpm.

- **Power and Control (engraving depth):**
  - Color mapping feature links Speed, Power, Frequency, and Raster. Vector modes are set to any RGB color.

- **Print Interface:**
  - USB3.0 Ethernet or USB Connection. Compatible with Windows XP/Vista/7/8.

- **Fan:**
  - 850 CFM (1360 m³/hr) external exhaust to the outside or internal filtration unit is required.

- **Electrical Requirements:**
  - 120 to 240 volts, 1.5 to 1.6 amp, 50 to 60 Hz single phase.

- **Approximate Weight:**
  - 65 lbs (29.5 kg).

- **Laser System Classification:**
  - Class 2 Laser Product - 1 mW CW MAXIMUM 650-700 nm

#### Epilog Fusion Laser Series

- **Maximum Engraving Area:**
  - Fusion Mini 18 Laser: 8" x 12" (203 x 305 mm)
  - Fusion Mini 24 Laser: 8" x 12" (203 x 305 mm)
  - Fusion Hals Laser: 24" x 18" (605 x 457 mm)
  - Fusion Legend MEXT: 30" x 24" (762 x 609 mm)

- **Max Warranty Thickness:**
  - 5.5" (140 mm)

- **Laser Tube Wattages:**
  - 30, 40, 50, 60, and 75 watt, air-cooled all-metal Waveguide tube, 1052 micrometers.

- **Weight:**
  - 34.5" x 26" x 16" (W x D x H)

- **Print Interface:**
  - USB3.0 Ethernet or USB Connection. Compatible with Windows XP/Vista/7/8.

- **Resolution:**
  - User-controlled from 75 to 12000 rpm.

- **Belts:**
  - Advanced B-style Kevlar Belts.

- **X-Axis Bearings:**
  - Ground and polished stainless steel Long-Lasting Bearing system.

- **Intelligent Memory Buffer:**
  - User-controlled from 75 to 12000 rpm.

- **Thermal:**
  - User-controlled from 75 to 12000 rpm.

- **Power and Control (engraving depth):**
  - Color mapping feature links Speed, Power, Frequency, and Raster. Vector modes are set to any RGB color.

- **Print Interface:**
  - USB3.0 Ethernet or USB Connection. Compatible with Windows XP/Vista/7/8.

- **Fan:**
  - 1200 CFM (2080 m³/hr) external exhaust to the outside or internal filtration unit is required.

- **Electrical Requirements:**
  - 120 to 240 volts, 1.5 to 1.6 amp, 50 to 60 Hz single phase.

- **Approximate Weight:**
  - 2120 lbs (959 kg).

- **Laser System Classification:**
  - Class 2 Laser Product - 1 mW CW MAXIMUM 650-700 nm

### For system pricing information and to set up your personal demonstration call your local distributor. To find your distributor, visit us at www.epiloglaser.com/distributors.htm.
Outstanding Customer Support
- Before, During and After the Sale

Laser Focus Newsletter
As an Epilog Laser owner you will begin to receive our popular Laser Focus newsletter filled with company news, stories about successful customers, and how-to and project articles.

Virtual Training Suite
When you purchase an Epilog Laser system, you automatically gain access to our comprehensive online Virtual Training Suite. Here you’ll find videos, demonstrations and simple project guidelines and instructions to help you get started with your laser.

Technical Support Team
Epilog’s tech support staff is by far the best in the industry. When you call or email our support team, one of our trained and experienced technicians will get you up and running as quickly as possible. We even have a live-chat feature so you can get help troubleshooting right at your computer. Known for being exceptionally professional and knowledgeable, our technical support staff is the best around.

Sample Club
Need an idea for a new product offering or project? Check out Epilog’s Sample Club! Each month we add new projects Epilog owners can download for free! We provide the file, instructions and settings. Whether you use these ideas on their own or they spark another creative project, the Sample Club provides over 100 projects to choose from.