In 1988, Epilog Laser’s revolutionary systems opened the world’s eyes, not only to what could be accomplished with a laser, but also to how accessible a laser is to businesses, both large and small.

We are innovators. We are engineers. We are problem solvers. We are committed to designing and manufacturing the highest-quality, fastest laser systems in the industry, right here from our global headquarters in Golden, CO, in the foothills of the Rocky Mountains.

Our worldwide presence continues to grow with corporate offices located in the Netherlands and Canada. We now have even more locations to provide you with the highest level of support and convenience. Contact us to schedule a hands-on demonstration from your local distributor and see how an Epilog Laser can benefit your business with the industry’s highest engraving speeds, the most-detailed etching, and fast, accurate cutting. Find out how an Epilog Laser can transform your business.
ENGRAVE - CUT - MARK

Electronics Engraving
Wood Engraving & Cutting
Marble & Stone Etching
Acrylic & Wood Signage
Nameplates & Desk Sets
Wedding Memorabilia
Corporate Giveaways
Glass Etching
Sporting Goods
Holiday Ornaments
Corporate & Sporting Awards
Architectural Models
Greeting Cards
Guitar Inlays
Custom Jewelry
Acrylic Plaques
Photo Frames
3D Models
Inlaid Signage
Photo Engraving
Logos & Emblems
Engineered Parts
Etched Business Cards
Tool Identification
Medical Port Marking
Laptop Customization
Paper Customization
Custom Pet Tags
Seminars & Memorials
Home Decor
Product Marking
Industrial Etching
Phone Customization
Custom Pet Tags
Photo Albums
Wine Bottle Etching
Engraved Mirrors
Greeting Cards
And much more!

CHOOSE YOUR LASER

CO2: Versatility

Engrave and cut a wide variety of materials with our CO2 laser line. A CO2 laser system can engrave on all kinds of materials, including wood, acrylic, rubber, plastic, and more.

Fiber: Metal Etching

Featuring an air-cooled ytterbium fiber laser source, these are the ideal systems for direct metal etching and marking, as well as marking engineered plastics.

Compatible Materials:
- ABS (black/white)
- Aluminum 6061
- Anodized aluminum
- Brass
- Carbon fiber
- Carbon nanotube
- Ceramics
- Cobalt chrome steel
- Copper
- DAP - Diallyl Phthalate
- Delrin, colored (black/brown)
- Delrin, white
- GE Plastics polycarbonate resin
- Hard coat anodized aluminum
- Inconel metals (boring)
- Iron-phosphate coating
- Machine tool steel
- Magnesium
- Makrolon
- Molybdenum
- Nickel-plated 1215 mild steel
- Nickel-plated brass
- Nickel-plated gold
- Nickel-plated Kovar
- Nickel-plated steel
- PEEK, white & glass filled
- Polycarbonate, black/chrome
- Polycarbonate resin 121-8
- Polyethylene
- Silicon carbide
- Silicon steel
- Silicon wafers
- Stainless steel 303
- Stainless steel 714-Ph
- Steel 6061
- Steel machine tool
- Teflon, glass filled
- Various inconel metals
- Zinc-plated mild steel
- And many more!

‡ CO2 lasers will mark bare metals when coated with a metal marking solution. For more info, call +1 303-277-1188.
Online Training
Register your machine at our free online training suite, training.epiloglaser.com and start learning the latest tips and tricks on project setup and more. Featuring walkthrough demonstrations of how to set up projects, articles on maintenance for your machine, and a thorough library of support videos, the Epilog Laser Training Suite is your online manual for learning how to make the most of your laser system.

IRIS™ Camera Positioning & Job Trace
Positioning your image for engraving has never been easier. The Fusion Pro’s IRIS™ multi-camera system shows your laser’s table on screen in the Laser Dashboard®, allowing you to precisely position your image on screen, then print to the laser. You can also use the camera at the laser head to recognize registration marks in your artwork for extremely precise engraving on preprinted pieces. To ensure your engraving is positioned perfectly, run the instant Job Trace to see exactly where your image will be engraved on your product.

Fastest Engraving Speeds:
Up to 165 IPS (4.2 m/s)
Higher-speed engraving means more throughput for your business. Epilog prides itself on creating machines with incredibly fast engraving times and the quickest turnaround speeds, while still providing the highest quality results. The Fusion Pro’s new motion control system allows the laser to reach a top speed of 165 IPS with 5g acceleration for the industry’s fastest engraving. Extremely robust motors and an industrially designed motion control system allow us to reach the highest engraving speeds while still providing the high-resolution you expect from an Epilog Laser.

Epilog Software Suite™
Epilog’s powerful software suite allows you to position your artwork and duplicate your image across the screen, and access our materials database quickly and easily. Save your files to the Job Manager and you can access any job you have ever sent to the laser. Organize your jobs, rerun projects, and more.

Material Settings Library
Epilog’s Material Settings Library is your first step for finding the perfect settings for most materials. This parameter library has been built by testing materials to find the best settings for you to use with your laser system. If you discover your own preferred settings, or have a special material that you use with your laser, save your custom settings so you always have access to your favorite laser parameters at the touch of a button.

1 Design your graphic in your favorite graphic design software.
2 Print the design to the Epilog Laser Dashboard®.
3 Choose your settings and start engraving or cutting your design.

From Design to Finished Product

EASY PROJECT SETUP
ZING LASERS

ZING 16
Small-size, entry-level laser system that is perfect for starting a business or operating out of your home, office, or school.
- 30 or 40 watt CO2 laser
- 16” x 12” x 4.5” (406 x 305 x 114 mm) work area
- Affordable pricing for the entry-level user

ZING 24
Larger work area and more features make this laser an affordable choice for those needing more features than an entry-level machine.
- 30, 40, 50, or 60 watt CO2 laser
- 24” x 12” x 7.75” (610 x 305 x 197 mm) work area
- Compatible with the Rotary Attachment
- Radiance™ Beam-Enhancing Optics for a smaller laser spot size across the table

System Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Zing 16</th>
<th>Zing 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Made-in-the-USA Quality: Designed, engineered &amp; built in Golden, CO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epilog Job Manager: Management &amp; workflow software - easily organize, edit, save &amp; print</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laser Dashboard™: Set speed/power parameters &amp; access more laser features</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CO2 Laser Tubes: Long-lasting metal/ceramic tubes for highest engraving quality</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lenses Rated to 500 Watts: Highest-quality lenses provide long life &amp; higher resolutions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High-Speed Stepper Motors: Faster stepper motors for high-resolution engraving</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3D &amp; Stamp Engraving Settings: Etch &amp; cut stamps or create 3D curves while engraving</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Super-Silent™ Cooling Fans: Quiet operation suitable for office environments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Assist: Remove heat &amp; combustible gases from the cutting surface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raster/Vector Color Mapping: Change your speed &amp; power by using color settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Networking Choices: USB &amp; Ethernet connections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Moveable Home Position: Engrave odd-shaped home easily by setting a new home position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red Dot Pointer: Provides a visible laser beam to help position projects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Easy-Access Drop-Down Door: Front access door for the laser system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radiance™ Beam-Enhancing Optics: Higher-resolution optics for detailed engraving</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rotary Attachment Compatibility: Engrave cylindrical objects with the optional rotary</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MINI & HELIX LASERS

MINI 18 & 24
Looking for a system with faster engraving times than the Zing Series, but that still offers a small work area? The Epilog Mini 18 and 24 Lasers are an ideal way to move into our faster servo motor machines.

- 30 or 40 watt CO2 laser - Mini 18
- 30, 40, 50, or 60 watt CO2 laser - Mini 24
- 18" x 12" x 4" (457 x 305 x 102 mm) work area - Mini 18
- 24" x 12" x 5.5" (610 x 305 x 140 mm) work area - Mini 24
- High-speed servo motors and linear encoder driven
- Automatic focusing

HELIX
For engravers and cutters looking to work with larger pieces or products, the Epilog Helix is an ideal choice.

- 30, 40, 50, 60, or 80 watt CO2 laser
- 24" x 18" x 8.5" (610 x 457 x 216 mm) work area
- Radiance™ Beam-Enhancing Optics for a smaller laser spot size across the table
- Easy-access drop-down door
- Engrave items up to 11" (279 mm) tall
- Wheeled storage stand

System Features

- Made-in-the-USA Quality: Designed, engineered & built in Golden, CO
- Epilog Job Manager: Management & workflow software - easily organize, edit, save & print
- Laser Dashboard™: Set speed/power parameters & access more laser features
- CO2 Laser Tubes: Long-lasting metal/ceramic tubes for highest engraving quality
- Auto Focus: Automatically focus the table to the correct focal distance
- Integrated Cutting Table: Lifts the piece being cut to reduce back-side burning
- 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 projects
- Raster/Vector Color Mapping: Change your speed & power by using color settings
- Networking Choices: USB & Ethernet connections
- Permanent Job Storage: Store as many as 10 jobs up to 2MB in size
- Job Delete at the Laser: Delete old jobs to keep laser job queue organized
- Radiance™ Beam-Enhancing Optics: Highest-resolution optics for detailed engraving
- Lenses Rated to 500 Watts: Highest-quality lenses provide long life & higher resolutions
- Linear Encoders: Highest-quality engraving from the most precise motion control system
- High-Speed Servo Motors: Faster servo motors for high-resolution engraving
- 3D & Stamp-Engraving Settings: Etch & cut stamps or create 3D curves while engraving
- Super-Silent™ Cooling Fans: Quiet operation suitable for office environments
- An Air Assist: Remove heat & combustible gases from the cutting surface
- Metal Bearings: Stainless steel bearings designed to last the life of the machine
- Crumb Tray: Easily dispose of debris from under your Cutting Table
- Easy-Access Storage Stand: Wheeled, free-standing cart for easier access

MINI 18  Mini 24  Helix
Our small-format fiber laser system, the FiberMark S2, allows you to etch directly into metal and marks many plastics. The FiberMark S2 is our original fiber laser system and is the first flying-optic fiber laser system ever developed.

- **30 watt fiber laser**
- **24" x 12" x 5.5" (610 x 305 x 140 mm) work area**
- **Easy-Access Drop-Down Door**
- **Ability to create etched, annealed, and polished marks**
- **75-1200 dpi**

---

Small-Format Metal Marker

Epilog’s FiberMark S2 is your solution for etching and marking all types of bare metals and industrial plastics, print to the laser directly from any graphic software program for easy job setup, and etch an entire table full of parts at one time.

- **Directly engrave on most metals**
- **Mark engineered plastics**
- **Etch barcodes, serial numbers, and images**
- **Print directly from AutoCAD, CorelDRAW, Bartender, and more**

---

System Features

- **Made-in-the-USA Quality:** Designed, engineered & built in Golden, CO
- **Epilog Job Manager:** Management & workflow software - easily organize, edit, save & print
- **Laser Dashboard:** Set speed/power parameters & access more laser features
- **Fiber Laser Source:** Engraves directly into bare metal & marks industrial plastics
- **Moveable Home Position:** Engraves odd-shaped items easily by setting a new home position
- **Red Dot Pointer:** Provides a visible laser beam to help position projects
- **Rotary Attachment Compatibility:** Engrave cylindrical objects with the optional rotary
- **Kernel/Vector Color Mapping:** Change your speed & power by using color settings
- **Networking Choices:** USB & Ethernet connections
- **Permanent Job Storage:** Store as many as 10 jobs up to 2MB in size
- **Job Delete at the Laser:** Delete old jobs to keep laser job queue organized
- **Linear Encoders:** Highest-quality engraving from the most precise motion control system
- **High-Speed Servo Motors:** Faster servo motors for high-resolution engraving
- **3D & Stamp Engraving Settings:** Etch & cut stamps or create 3D curves while engraving
- **Super-Silent® Cooling Fans:** Quiet operation suitable for office environments
- **An Axon & Compressor:** Remove heat & combustible gases from the cutting surface
- **Metal Bearings:** Stainless steel bearings designed to last the life of the machine
- **Kevlar Belts:** Our precision drive belts are made from B-style Kevlar for superior longevity
Industry's Highest-Speed Engraving

Introducing the fastest laser engraving systems on the market. Performance and image quality are at the heart of the Fusion Pro line of laser systems. With a maximum speed of 165 IPS (4.2 m/s), and featuring 5g acceleration, the Fusion Pro lasers are the fastest, most productive laser systems available. Whether you’re engraving wood, plastic, coated metals, or glass, the Fusion Pro allows you to produce more product in less time than any competitive system.

IRIS™ Camera Positioning

Positioning your artwork is easier than ever with the new IRIS™ Camera Positioning feature of the Fusion Pro. Overhead cameras provide a view of your material as it is positioned on the table, allowing you to accurately place your artwork and know exactly where your laser will engrave. Drag and drop your artwork on screen to precisely position your artwork on even the most irregularly shaped objects.

FUSION PRO LASERS

FUSION PRO 32
- Available in CO2, fiber, or dual-source configurations
- 50, 60, 80, or 120 watt CO2 laser
- 30 or 50 watt fiber laser
- 32” x 30” (812 x 508 mm) work area
- IRIS™ 2-camera system

FUSION PRO 48
- Available in CO2, fiber, or dual-source configurations
- 50, 60, 80, or 120 watt CO2 laser
- 30 or 50 watt fiber laser
- 48” x 36” (1219 x 914 mm) work area
- IRIS™ 3-camera system

Made-in-the-USA Quality: Designed, engineered, & built in Golden, CO
High Speed Engraving: Max speed of 165 IPS (4.2 m/s)
5g System Acceleration: Faster acceleration to top speed
IRIS™ Camera Positioning: Overhead camera & camera at the carriage for artwork positioning
SAFEGUARD™ features: Keep the mechanics cleaner and dust-free
Touch-Screen Control: File selection, auto-focus, and more
Air Assist & Compressor: Remove heat & combustible gases from the cutting surface
Vacuum Hold-Down Table: Exhaust under the table
Networking Choices: USB & Ethernet connections
Permanent Job Storage (1 GB): Keep your most-run jobs at the machine
Auto Focus: Automatically focuses the table to the correct focal distance
 Software Suite: Dashboard™ and Job Manager Software Package
50, 60, 80, or 120 watt CO2; air-cooled, metal/ceramic laser tube, 10.6 micrometers
or 30 or 50 watt Fiber Laser Source, 1064 mm
or Dual Source configuration
Radiance™ Beam-Enhancing Optics: Higher resolution optics for detailed engraving
Laminar Air Flow: Streamlined air flow for the most efficient smoke and vapor removal
High-Speed, Brushless DC Servo Motors: Withstands the most rigorous engraving jobs at high speeds
Red Dot Pointer: Provides a visible laser beam to help position your projects
Job Trace: Quickly see where the job will engrave on your material
Easy-Access Drop-Down Door: Front access door for the laser system
Super-Silent™ Cooling Fans: Quiet operation suitable for office environments
Rim-style Rotary Compatibility

System Features

Pro 32 Pro 48

IRIS™ Camera Positioning

Positioning your artwork is easier than ever with the new IRIS™ Camera Positioning feature of the Fusion Pro. Overhead cameras provide a view of your material as it is positioned on the table, allowing you to accurately place your artwork and know exactly where your laser will engrave. Drag and drop your artwork on screen to precisely position your artwork on even the most irregularly shaped objects.
Air Compressor

Epilog’s optional Air Compressor is available to work with the included Air Assist feature of the laser systems. Direct a constant stream of air to your cutting surface to remove heat and combustible gases from the work area. The high-quality air compressor unit feeds 30 psi at 0.2 cfm of air through the Air Assist structure, giving you the best cutting results available. The vibration-dampening rubber feet reduce the noise level of the compressor.

Cutting Tables

Incorporate the gridded cutting table when cutting through materials. By raising the materials off of the table when cutting, you’ll be able to reduce any back-side burning on the material.

For cutting through materials on the Fusion Pro, choose between a traditional cutting-grid table or a slat table.

Rotary Attachments

Add the ability to engrave cylindrical items to your laser, including glasses, bottles, and more. Epilog offers two types of Rotary Attachments. The Standard Rim-Style Rotary is great for general-purpose cylindrical shapes, including glasses, mugs, and wine bottles. We offer the 3-Jaw Chuck Rotary Attachment for more demanding applications when you need to mechanically clamp a cylinder or oddly shaped, non-cylindrical item.

Lens Options

1.5” Lens: Highest-Resolution Engraving

Although the standard 2.0” lens provides amazing detail, our 1.5” lens assembly has been designed for the highest-resolution engraving and etching of extremely small fonts.

4.0” Lens: Cutting Thicker Materials and Inside Deep Areas

The 4.0” 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. The lens is also useful for cutting through very thick materials with a more elongated beam.

Machine Stand

Add the machine stand to your Mini or FiberMark S2 to turn your desktop laser into a free-standing unit. This optional stand features high-quality wheels to move the laser system throughout your work area with ease, and the shelf makes a great place to store your most used materials.

Pin Table

The Pin Table incorporates movable pins designed to raise and support material during cutting. This helps ensure you receive the clearest laser cut edges from your laser machine. Use the Pin Table with the Fusion Pro’s IRIS® camera system for a visual representation of each pin’s precise location for the highest quality edge cuts on a laser system.
TECH SPECS

**Software**
- Laser Dashboards
- Laser Dashboard™
- Epilog Job Manager™
- Fusion Pro 32 (CO2)
- Fusion Pro 48 (CO2)
- Fusion Pro 32 (Fiber)
- Fusion Pro 48 (Fiber)
- FiberMark 32
- Helix
- MarkPro 60
- MarkPro 80
- MarkPro 120
- MarkPro 120 (CO2)
- MarkPro 170
- MarkPro 200
- MarkPro 200 (CO2)
- MarkPro 200 (Fiber)
- MarkPro 250
- MarkPro 250 (CO2)
- MarkPro 250 (Fiber)
- MarkPro 300
- MarkPro 300 (CO2)
- MarkPro 300 (Fiber)
- MarkPro 350
- MarkPro 350 (CO2)
- MarkPro 350 (Fiber)

**Motion Control**
- High-speed micro stepper motors
- High-speed, continuous-loop, DC servo motors using linear and rotary encoding technology for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning

**Bearings**
- Shielded roller bearing assembly on a ceramic-coated aluminum guide rail
- Ground & polished stainless steel long-lasting bearing system
- Ground & polished stainless steel, Teflon-coated, self-lubricating bearings. Dual blocks on X-axis for greater rigidity

**Print Interface**
- USB & 10Base-T Ethernet connections.
- Windows 7/8/10 compatible

**Printable**
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.

**Software**
- Laser Dashboards
- Laser Dashboard™
- Epilog Job Manager™
- Fusion Pro 32 (CO2)
- Fusion Pro 48 (CO2)
- Fusion Pro 32 (Fiber)
- Fusion Pro 48 (Fiber)
- FiberMark 32
- Helix
- MarkPro 60
- MarkPro 80
- MarkPro 120
- MarkPro 120 (CO2)
- MarkPro 170
- MarkPro 200
- MarkPro 200 (CO2)
- MarkPro 200 (Fiber)
- MarkPro 250
- MarkPro 250 (CO2)
- MarkPro 250 (Fiber)
- MarkPro 300
- MarkPro 300 (CO2)
- MarkPro 300 (Fiber)
- MarkPro 350
- MarkPro 350 (CO2)
- MarkPro 350 (Fiber)

**Motion Control**
- High-speed micro stepper motors
- High-speed, continuous-loop, DC servo motors using linear and rotary encoding technology for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning

**Bearings**
- Shielded roller bearing assembly on a ceramic-coated aluminum guide rail
- Ground & polished stainless steel long-lasting bearing system
- Ground & polished stainless steel, Teflon-coated, self-lubricating bearings. Dual blocks on X-axis for greater rigidity

**Print Interface**
- USB & 10Base-T Ethernet connections.
- Windows 7/8/10 compatible

**Printable**
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.

**Software**
- Laser Dashboards
- Laser Dashboard™
- Epilog Job Manager™
- Fusion Pro 32 (CO2)
- Fusion Pro 48 (CO2)
- Fusion Pro 32 (Fiber)
- Fusion Pro 48 (Fiber)
- FiberMark 32
- Helix
- MarkPro 60
- MarkPro 80
- MarkPro 120
- MarkPro 120 (CO2)
- MarkPro 170
- MarkPro 200
- MarkPro 200 (CO2)
- MarkPro 200 (Fiber)
- MarkPro 250
- MarkPro 250 (CO2)
- MarkPro 250 (Fiber)
- MarkPro 300
- MarkPro 300 (CO2)
- MarkPro 300 (Fiber)
- MarkPro 350
- MarkPro 350 (CO2)
- MarkPro 350 (Fiber)

**Motion Control**
- High-speed micro stepper motors
- High-speed, continuous-loop, DC servo motors using linear and rotary encoding technology for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning
- High-speed, continuous-loop, brushless DC servo motors using rotary encoding tech for precise positioning

**Bearings**
- Shielded roller bearing assembly on a ceramic-coated aluminum guide rail
- Ground & polished stainless steel long-lasting bearing system
- Ground & polished stainless steel, Teflon-coated, self-lubricating bearings. Dual blocks on X-axis for greater rigidity

**Print Interface**
- USB & 10Base-T Ethernet connections.
- Windows 7/8/10 compatible

**Printable**
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.
- 3D/2D printing, 2-sided, manual feed.
- 3D/2D printing, 2-sided, automatic feed.