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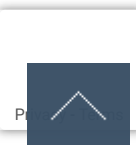
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EPILOG LASER

Epilog Fusion Pro Series

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Epilog Fusion Pro Laser Machines

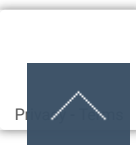
Introducing the new Epilog Fusion Pro. 5G acceleration and 165 IPS engraving speeds provide the fastest engraving in the industry. And the IRIS™ Camera Positioning system allows you to precisely place your artwork on screen in seconds.

- **Fusion Pro 32:** 32" x 20" (812 x 508 mm) work area
- **Fusion Pro 48:** 48" x 36" (1219 x 914 mm) work area



- **Wattages:**
 - **CO2:** 50, 60, 80, or 120 watts
 - **Fiber:** 30 or 50 watts
 - **Dual:** Configure your laser with both CO2 and Fiber sources

Discover the Epilog Fusion Pro

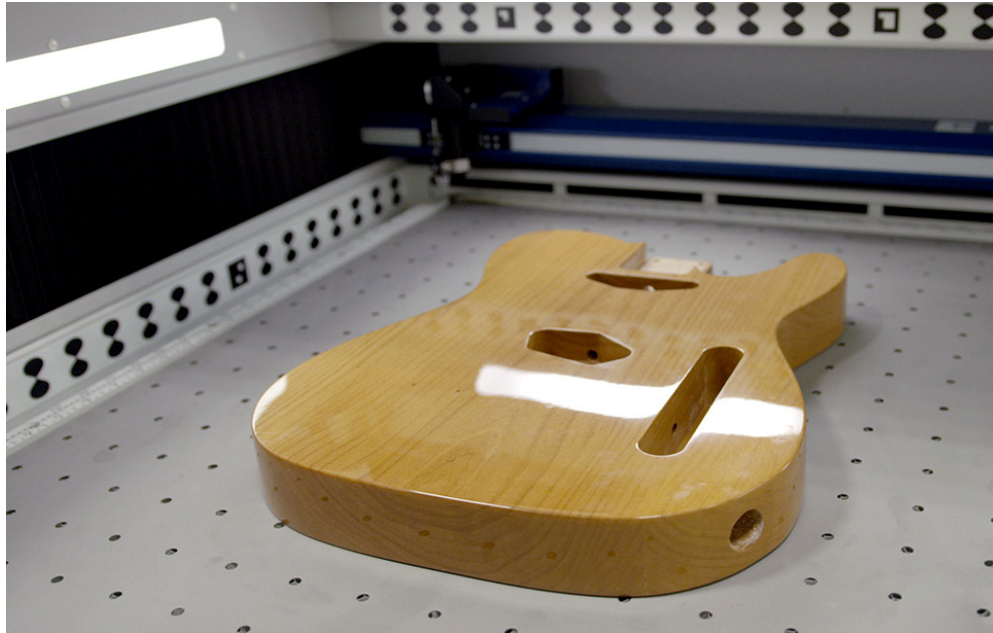


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Features: Benefits of Epilog's Fusion Pro Laser System

The Fusion Pro laser engraving and cutting machines from Epilog are our top-of-the-line laser systems and combine a large work area with the latest technological features, including:





Highest-Speed Engraving Over Largest Work Area

The Fusion Pro's 165 IPS engraving speed and 5G acceleration combine to provide the fastest engraving in the industry.





IRIS™ Camera Positioning

Overhead cameras provide an accurate picture of the working area for accurate artwork placement. Drag and drop your artwork on screen for the fastest work processing.





Touch Screen at the Laser

Select between jobs, auto focus the laser, and rerun jobs at the touch of a button from the easy-to-use touch screen interface right at the laser.



Engineered and Manufactured in the USA

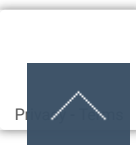
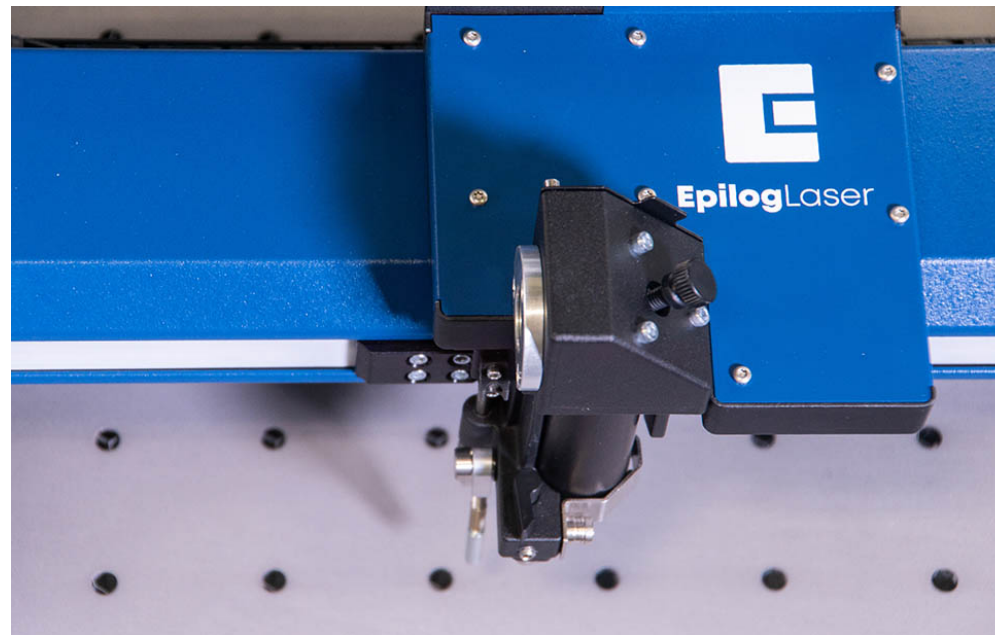
Proudly designed, engineered, and manufactured in our Golden, CO headquarters at the base of the Rocky Mountains.





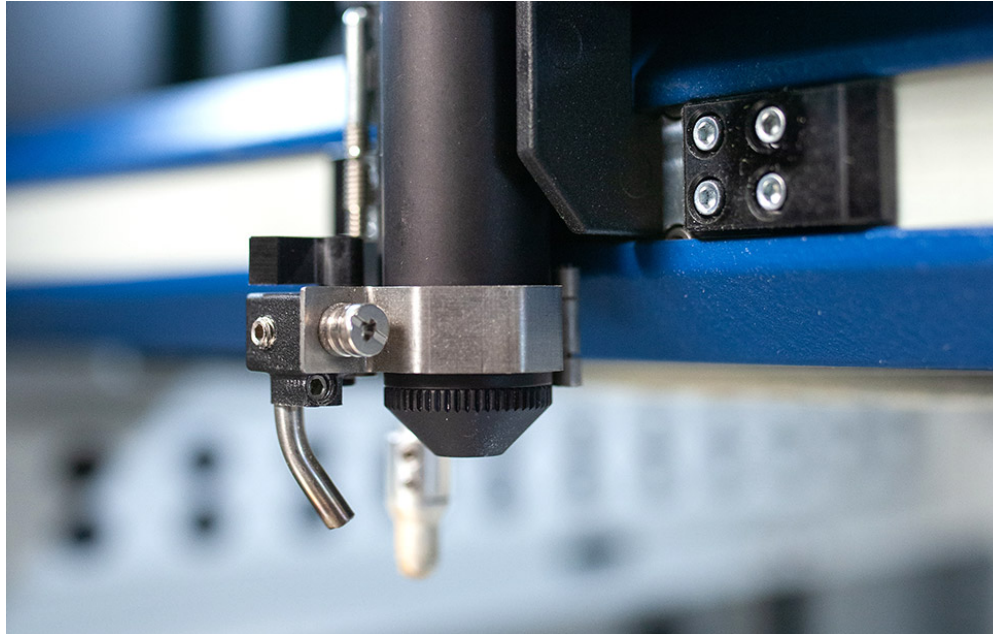
Network Your Laser Across Your Business

The Fusion Pro features built-in Ethernet, USB, and coming soon, a new wireless connection for more options for networking your laser.



SAFEGUARD™ Features

Keep the mechanics of your laser machine cleaner than ever before with side enclosures, a fully covered x-axis assembly, and covered lens assembly.



Air Assist and Compressor

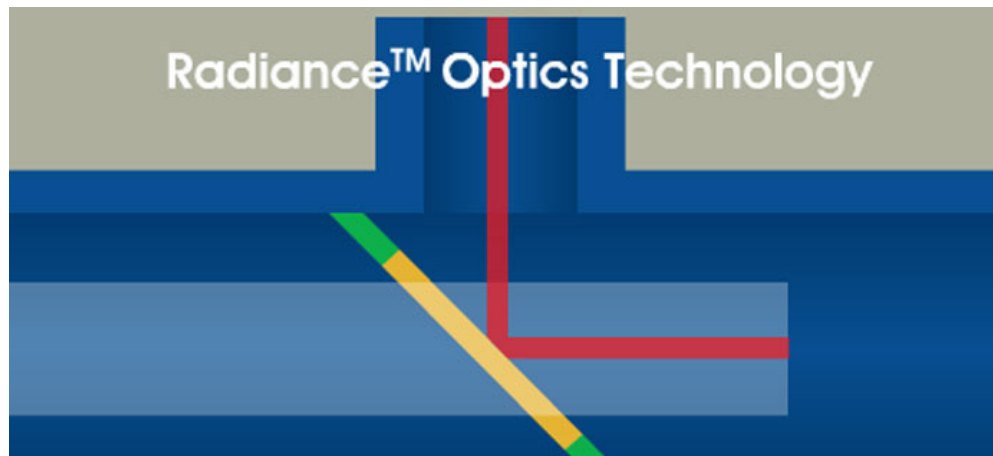
The air assist removes heat and combustible gases from the cutting surface for a cleaner cut. A built-in air compressor provides air directly to the work surface.





Split Table

On the Fusion Pro 48 mix and match your table across the bed with optional slat and gridded cutting tables.



Beam Combiner

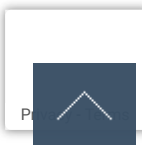
Radiance™ Beam Enhancing Optics

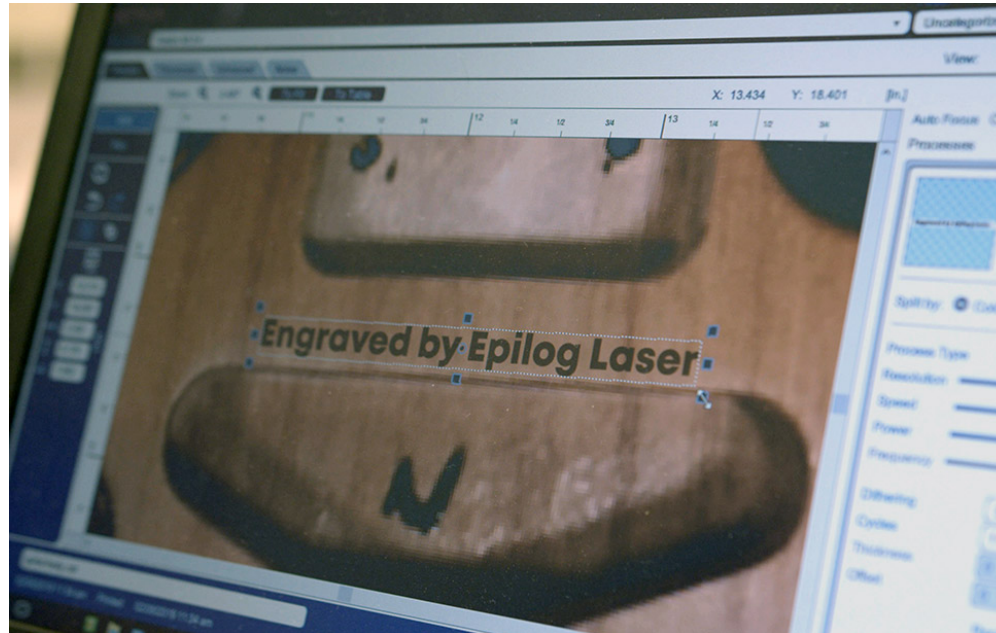
No additional, expensive lens package needed for the highest resolution engraving across the entire table.



CO2 Waveguide Laser Tubes by Epilog

All-metal tube design provides higher beam quality and longer life with low recharge costs.

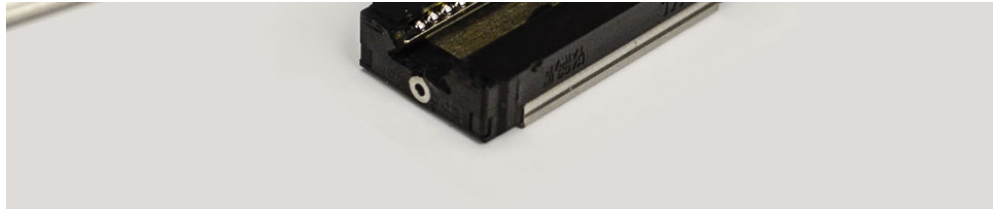




1 GB Memory in the Machine

Improve job management and data integrity with 1GB of RAM in both Fusion Pro systems. Save your most run jobs right at the laser.



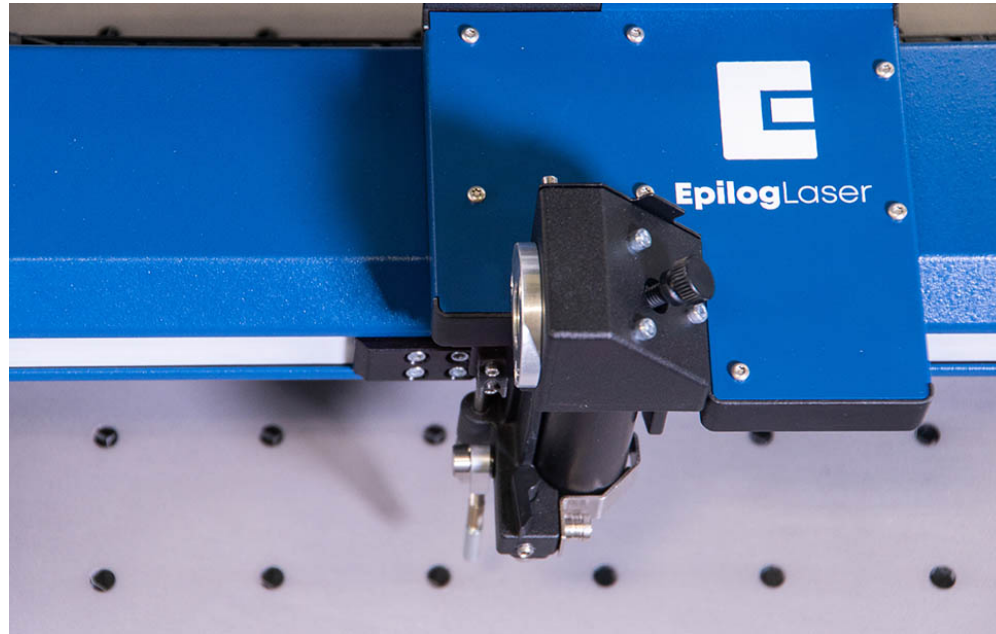


Long-Life Steel Bearing

A dual block design provides the most rigidity and reduced vibration without the inevitable wobble and replacement of plastic bearings.

Accessories for the Fusion Pro Laser Machines





Dual Source Option: CO2 and Fiber

Are you looking for the material versatility of a CO2 laser in addition to the direct metal etching of a fiber laser? Add on the dual source option to your Fusion Pro by choosing both a CO2 laser (50, 60, or 80 watts) and a fiber laser (30 or 50 watts) to work with a wider range of materials. (Coming Soon)

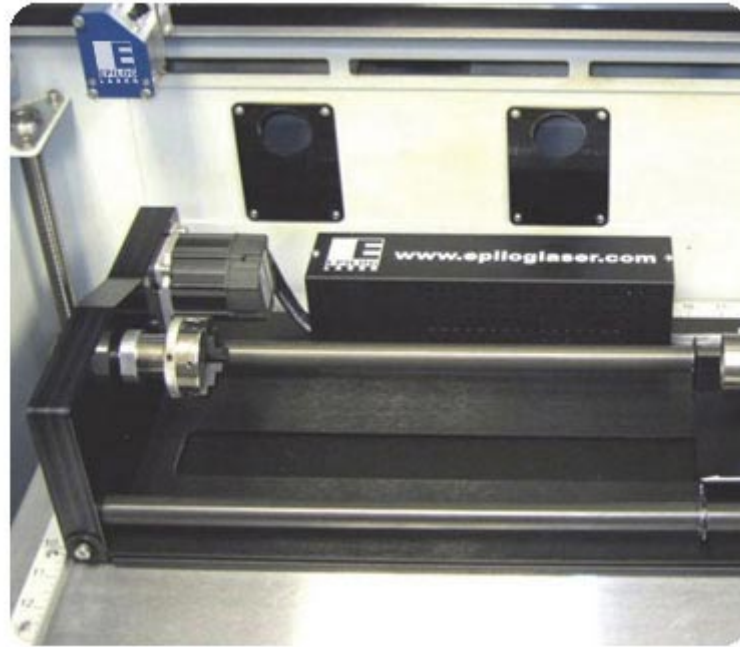




Rim-Style Rotary Attachment

Available for the Fusion Pro, the Rim-Style rotary attachment adds the ability to engrave bottles, glasses, flashlights, or any other cylindrical item. The Fusion Pro rotary attachment is as easy to setup as placing your product on the rotary, raising or lowering the scissor lift to level the engraving area, and printing to the laser.





3-Jaw Chuck Rotary Attachment

The Fusion Pro 3-Jaw Chuck mechanically clamps a cylinder or oddly-shaped, non-cylindrical item in place as the laser engraves. It is the perfect accessory when your engraving requires extremely precise positioning on

your cylindrical items.
(Coming Soon)





Vector Cutting Table (Grid-Style)

The optional grid-style vector cutting table is available for our Fusion Pro machines. Ideal for cutting applications, the vector grid limits how much of the surface area of your piece contacts the work table, reducing backside burning and providing greater air circulation while still accommodating smaller material stock.





Vector Cutting Table (Slat-Style)

Designed for larger pieces of material, the optional slat-style vector table greatly reduces the points of contact between the material you are cutting and the work table, significantly reducing backside burning and providing optimal airflow for the removal of dust and debris.





PhotoLaser Plus Software

PhotoLaser Plus takes photo engraving with your Epilog Fusion Series laser to the next level by easily processing photos for engraving on all types of materials. Epilog Laser has partnered with CADLink to bring you the industry's best photo processing software: PhotoLaser Plus. The easy-to-use software interface and powerful photo processing tools allow you to create the highest-quality photo engravings in the industry.





Optional Lenses

4.0" Lens: Cutting Thicker Materials and Inside Deep Areas

The 4" 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 used for cutting through very thick materials.





Cutting Pin Table

The Pin Table incorporates movable pins that can be placed anywhere along the table's grid of one inch (25.4 mm) spaced holes. The movable pins also allow the user to raise and support the cutting material in locations where the laser will not be cutting, providing a means of eliminating backside reflection. The table also allows you to place pins to support parts that would normally fall out of the cutting pattern. A handy removable surface plate makes the task of cleaning up small parts easy without removing the Pin Table.



Epilog Fusion Pro Technical Specifications

⚙️ Technical Specifications		
	Fusion Pro 32	Fusion Pro 48
Work Area	32" x 20" (812 x 508 mm)	48" x 36" (1219 x 914 mm)
Maximum Z-Depth	12.25" (311 mm)	12.25" (311 mm)
Laser Tube Wattage	CO2 - 50, 60, 80, or 120 watt <ul style="list-style-type: none"> air-cooled, metal Waveguide tube, 10.6 micrometers Fiber - 30 or 50 watt <ul style="list-style-type: none"> air-cooled, includes collimator, 1065 nm, Beam quality: M2 < 1.1 	
Software	Epilog Laser Software Suite: Laser Dashboard & Epilog Job Manager	
Memory	Multiple files up to 1 GB. Engrave any file size.	
Operating Modes	Optimized Raster, Vector, and Combined Modes	
Motion Control	High-speed, continuous-loop, brushless DC servo motors using rotary encoding technology for precise positioning	
X-Axis Bearings	Ground & polished stainless steel, Teflon-coated, self-lubricating bearings. Dual blocks on X-axis for greater rigidity	



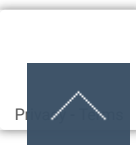
	Fusion Pro 32	Fusion Pro 48
Belts	Advanced B-style Kevlar Belts.	
Resolution	Fully-flexible and user-controlled from 75 – 1200 dpi	
Speed and Power	Computer-controlled in .001 increments up to 100%	
Print Interface	10Base-T Ethernet, USB, or Wireless connection. Windows 7/8/10 compatible	
Size (W x D x H)	54.6" x 34.2" x 42" 1387 x 869 x 1067 mm	70.6" x 51.3" x 42.75" 1794 x 1304 x 1086 mm Pedestal removed: 34" H (863 mm)
Weight	400 lbs (182 kg)	500 lbs (227 kg)
Electrical	110 to 240 volts, 50 or 60 Hz, single phase	240 volts, 50 or 60 Hz, single phase
Ventilation	400 CFM for primary exhaust port (upper port) and 400 CFM for downdraft exhaust port (lower port), totaling 800 CFM.	200 CFM per upper exhaust port (400 total) and 400 CFM for the downdraft exhaust port (lower port), totaling 800 CFM.
Exhaust Ports	One output port 4" (102 mm)	Two output ports 4" (102 mm)
Vacuum Table Port	Additional port for dedicated exhaust through table, 4" (102 mm)	



	Fusion Pro 32	Fusion Pro 48
Safety	Class 2 Laser Product – 1 mW CW Maximum 600 – 700 nm	

Epilog Fusion Pro CO2 Material Compatibility

⚙️ CO2 Material Compatibility		
	Engrave	Cut
Wood	x	x
Acrylic	x	x
Fabric	x	x
Glass	x	
Coated Metals	x	
Ceramic	x	
Delrin	x	x
Cloth	x	x



	Engrave	Cut
Leather	X	X
Marble	X	
Matte Board	X	X
Melamine	X	X
Mother of Pearl	X	X
Paper	X	X
Mylar	X	X
Pressboard	X	X
Rubber	X	X
Wood Veneer	X	X
Fiberglass	X	X
Painted Metals	X	
Tile	X	
Plastic	X	X
Cork	X	X
Corian	X	X
Anodized Aluminum	X	
Stainless Steel	*	



	Engrave	Cut
Brass	*	
Titanium	*	
Bare Metals	*	
* CO2 lasers will mark bare metals when coated with a metal marking solution. For more information, visit our laser metal marking page.		
Do you have a material you would like us to test? Our Applications Team (/how-it-works/applications-lab/) would be happy to assist you.		

Epilog Fusion Pro Fiber Material Compatibility

⚙️ Fiber Material Compatibility

With an Epilog Fiber laser, mark a wide array of metals and engineered plastics.

- 17-4 PH stainless steel
- 303 stainless
- 4043 steel
- 6061 Aluminum
- ABS (white/black)
- Aluminum, 6061
- Aluminum, yellow chromate
- Bayer 2807 Makrolon polycarbonate



- Bayers bayblend FR110
- Black/white ABS
- Black/white polycarbonate
- Brass
- Brushed aluminum
- Carbon nanotube
- Ceramics, metal-plated
- Clear coat anodized aluminum
- Cobalt chrome steel
- Colored delrin (black/brown)
- Compacted powder iron with phosphate coating
- Copper
- DAP - Diallyl Phthalate
- Delrin, colored (black/brown)
- GE Plastics polycarbonate resin 121-R
- Glass filled PEEK
- Glass filled Teflon
- Hard coat anodized aluminum
- Inconel metals (various)
- Machine tool steel
- Magnesium

- Metal-plated ceramics
- Molybdenum
- Nickel plated 1215 mild steel
- Nickel plated brass
- Nickel plated gold
- Nickel plated Kovar
- Nickel plated steel
- Nylon
- PEEK, white
- Polybutylene Terephthalate
- Polycarbonate (black/white)

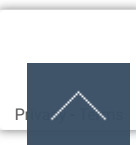


- Polycarbonate resin 121-R, GE Plastics
- Polycarbonate, Bayer 2807 Makrolon
- Polysulphone
- Rynite PET
- Santoprene
- Silicon carbide
- Silicon steel
- Silicone wafers
- Stainless steel 303
- Stainless steel 17-4 PH
- Steel 4043
- Steel, machine tool
- Various inconel metals (nickel-chromium super alloys)
- White PEEK
- Yellow chromate aluminum
- Zinc plated mild steel
- And Many More!

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Last Name *

Company

Industry

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City

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Zip or Postal Code

Country



United States ▼

Phone Number *

Phone Number

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Please send information and pricing on the Fusion Pro Laser Series.

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About

Epilog Laser manufactures the world's leading laser engraving and cutting systems, proudly made in the USA.

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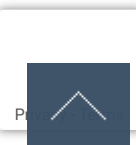
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