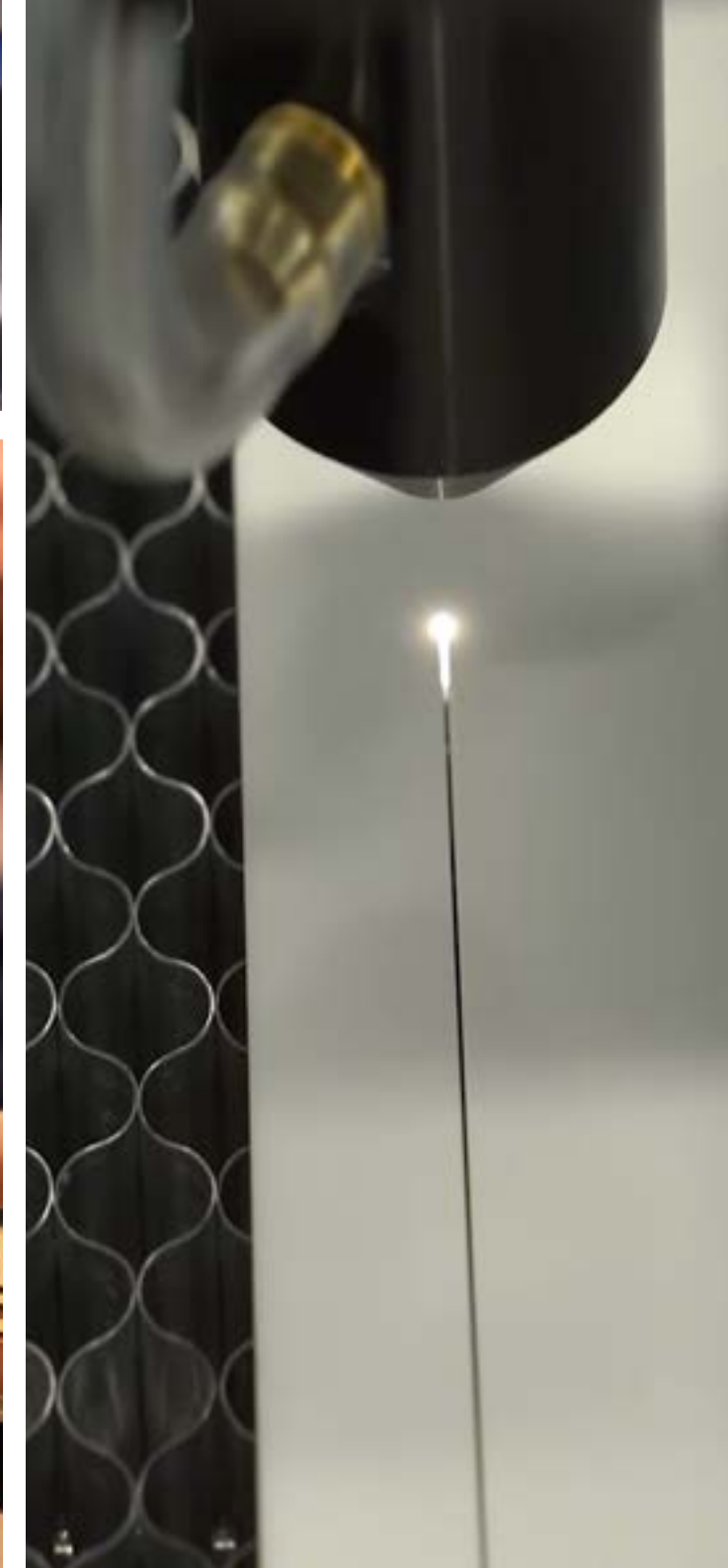




AN AMERICAN
COMPANY

 **Epilog**Laser

EPILOGLASER.COM



Over 35 Years of Experience

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 and we are problem solvers. Epilog is committed to designing and engineering 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.

In addition to our U.S. headquarters, we also have a corporate office in the Netherlands, which allows us to grow our global presence. We have over 100 distributors around the world to provide you with the highest level of support and convenience. Contact us to schedule a hands-on demonstration from your local representative and discover how an Epilog Laser can benefit your business. Featuring the industry's highest engraving speeds, the most detailed engravings, and fast, accurate cutting, Epilog Laser will transform your business.



Why Choose Epilog Laser

■ World-Class Support

From our **U.S.-based technical support team** to our global distributor network, Epilog is with you every step of the way. We offer expert training, responsive service, and ongoing guidance to keep your system performing at its best. When you choose Epilog, you're choosing a partner committed to your success.

■ In-House Expertise

Our patented metal/ceramic CO2 laser tubes are **designed and manufactured in-house** for unmatched engraving quality, longer life, and easy, cost-effective recharges.

■ Speed That Sets You Apart

Epilog Laser systems are built for businesses that thrive on efficiency. With some of the **fastest engraving and cutting** speeds available, you can take on more jobs, meet tighter deadlines, and deliver exceptional detail—every time. Whether you're crafting one-of-a-kind pieces or fulfilling large orders, speed and precision give you the edge.

■ Lower Operating Costs, Greater Profitability

Our systems are designed to work smarter for longer. Epilog's lasers feature long-lasting tubes and affordable recharge options that help reduce maintenance costs and extend system life. That means fewer interruptions, lower overhead, and more room to grow your bottom line.

Core Technologies



Metal Ceramic RF Laser Tube

We design, test, and build our own metal/ceramic RF laser tubes in-house by the same team that creates our laser systems. This integrated approach allows us to maintain complete control over quality, innovation, performance, and reliability.



IRIS™ HD+

The IRIS™ camera, standard on all machines, shows the laser table live in the Laser Dashboard™, allowing you to position artwork on screen and send it directly to the laser.



Epilog Pulse

Epilog Pulse lets users control their laser from nearly any device, including Macs, without installing software. Connect via Wi-Fi, Ethernet, or USB, open a browser, enter the laser's IP, and instantly load the app to import files and send them for processing.



Training Portal

Register your machine at epiloglaser.com/ support and start learning tips and tricks for project setup and more. With step-by-step demonstrations, maintenance articles, and a full library of support videos, the training portal is your guide to mastering your laser.



Software Suite

Epilog's software lets you position artwork, duplicate designs, and quickly access the materials database. Save files in Job Manager to organize, rerun, and track any job you've ever sent to the laser.



Touch Screen

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.

Our Product Lines

Epilog Laser offers a robust product line of CO2, fiber, dual-source, and galvo-based laser systems engineered for precision, performance, and long-term reliability.

Designed and manufactured in Golden, CO, our machines are built with industrial-grade components, rigid metal frames, and advanced motion control systems that deliver consistent, high-quality engraving and cutting day after day. User-friendly software compatibility, powerful laser sources, and smart features like RF metal and ceramic laser tubes help maximize productivity while maintaining exceptional detail.

Durability is a hallmark of every Epilog Laser system, backed by rigorous testing and tight quality control. We are committed to our customers' success and proudly offer U.S.-based technical support, applications assistance, and multiple training outlets that ensure fast, knowledgeable help when it matters most. As an American company with decades of laser innovation, Epilog combines cutting-edge technology, dependable construction, and responsive support to help businesses achieve professional results with confidence.



Fusion Ascent

Next Gen Series



Fusion Pro

Industrial Series



Fusion Galvo G100

Metal Marking

FusionAscent

Next Gen series



Ascent12

CO2 Fiber

- CO²:** 30, 40 or 60 watt
- Fiber:** 30 watt
- Work area:** 12" x 24" x 7" (305 x 610 x 178 mm)
- Cameras:** 1 IRIS™ Dual Overhead Cameras
1 IRIS™ Registration Camera
- Speed:** 120 IPS (3000 mm/s)

Ascent24

CO2 Fiber

- CO²:** 40, 60, or 80 watt
- Fiber:** 60 watt
- Work area:** 24" x 24" x 7" (610 x 610 x 178 mm)
- Cameras:** 2 IRIS™ Dual Overhead Cameras
1 IRIS™ Registration Camera
- Speed:** 120 IPS (3000 mm/s)

Ascent36

CO2

- CO²:** 40, 60 or 80 watt
- Work area:** 36" x 24" x 7" (914 x 610 x 178 mm)
- Cameras:** 2 IRIS™ Dual Overhead Cameras
1 IRIS™ Registration Camera
- Speed:** 120 IPS (3000 mm/s)

RF CO2 Metal Ceramic Tube
Long-lasting, consistent performance.



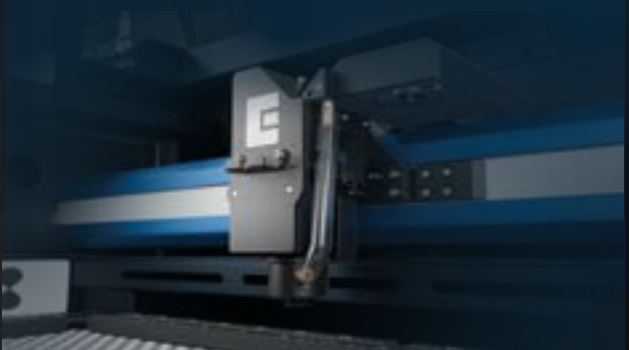
Safety First
Advanced safety features safeguard both user and machine.



IRIS HD+ Camera positioning
Perfect alignment, first try.



Easy lens assembly
Swap lenses quickly to keep production moving.



Expand Your Work
Optional pass-through for longer materials.



Motion-control
Magnetic linear encoder produces consistently excellent engraving results across the entire work surface.



Speed Meets Precision
Designed to maximize productivity.



FusionPro

Industrial series

Choose the Size That Fits
Sizes for every workflow



Split Table for Pro 48
Mix & Match your table



SAFEGUARD™
Side enclosures
and protected
X-axis & lens

**RF CO2 Metal
Ceramic Tube**
Long-lasting,
consistent
performance



Air Assist
Improves quality and
safety by directing a
steady stream of
compressed air across
the work surface.

**Precision Positioning &
Registration Cameras**
Accurate placement, every time



**Fastest Engraving On
Largest Work Area**



Pro 24

CO2 Dual

- CO² :** 60, 80 or 100 watt
- Dual:** CO² 60 watt / Fiber 30 watt
CO² 80 watt / Fiber 60 watt
- Work area:** 24" x 24" x 9" (610 x 610 x 228 mm)
- Cameras:** 2 IRIS™ Dual Overhead Cameras
1 IRIS™ Registration Camera
- Speed:** 165 IPS (4200 mm/s)

Pro 36

CO2 Dual

- CO² :** 60, 80, 100, 120 or 200 watt
- Dual:** CO² 80 watt / Fiber 30 watt
CO² 100 watt / Fiber 60 watt
- Work area:** 36" x 24" x 9" (914 x 610 x 228 mm)
- Cameras:** 2 IRIS™ Dual Overhead Cameras
1 IRIS™ Registration Camera
- Speed:** 165 IPS (4200 mm/s)

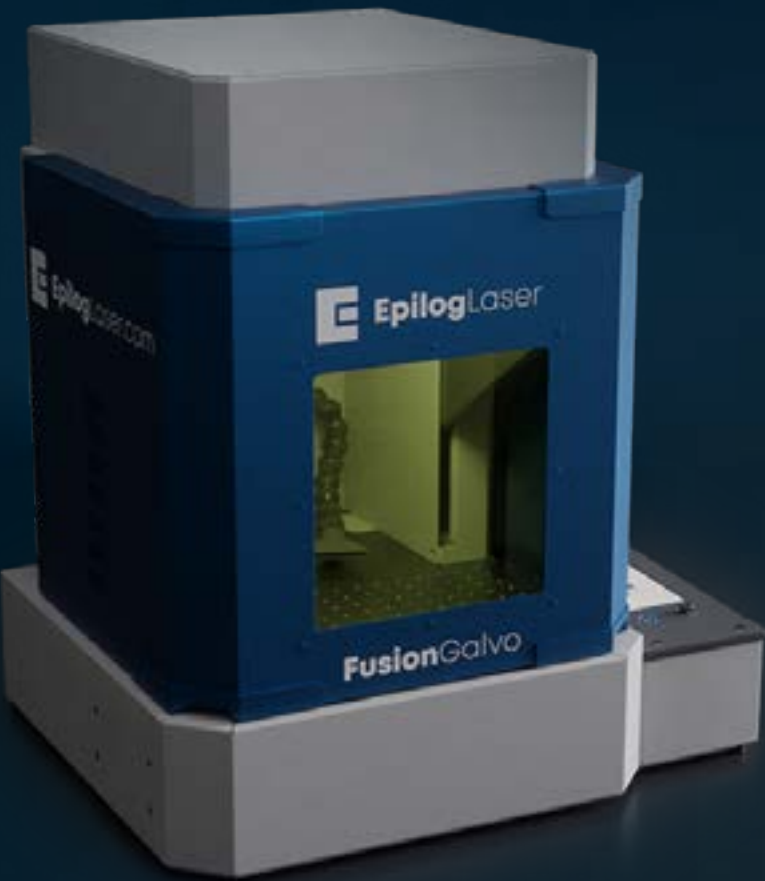
Pro 48

CO2 Dual

- CO² :** 80, 100, 120 or 200 watt
- Dual:** CO² 100 or 120 watt / Fiber 60 watt
- Work area:** 48" x 36" x 12.25" (1219 x 914 x 311 mm)
- Cameras:** 2 IRIS™ Dual Overhead Cameras
1 IRIS™ Registration Camera
- Speed:** 165 IPS (4200 mm/s)

FusionGalvo

Metal Marking



Galvo G100

Fiber

- Fiber:** 30 watt MOPA
60 watt MOPA
100 watt MOPA
- Lenses:** F163 (included)
F254 (included)
- Work area:** F163: 4" x 4" (101 x 101 mm)
F254: 6" x 6" (152 x 152 mm)
- Cameras:** 2 IRIS™ Dual Overhead Cameras

Mechanical Automated Door

The Fusion Galvo's door automatically lowers at job start and rises at completion, boosting project throughput.



Two Types of Lenses

Flexible Marking, No Extra Cost



Auto focus

Enter your material thickness and the laser auto-focuses for perfect results.



Touch Screen

Control at Your Fingertips



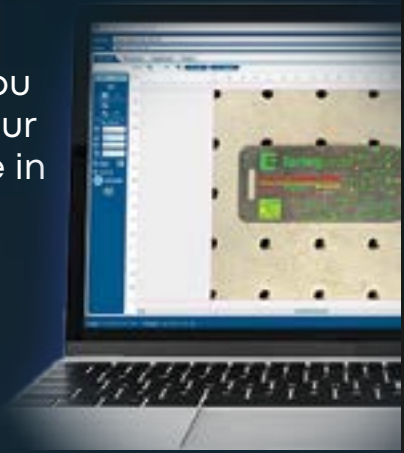
Full-Rotation Capability

Optional rotary accessory for precise cylindrical engraving, along with ring accessory for marking both inside and outside areas.



See It. Place It. Laser it.

With 2 overhead camera you can see your workspace in real time



Compatible with all Design Software

The Fusion Galvo works with all design programs

Material Compatibility

CO2 Laser

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

	Engrave	Cut
Wood	•	•
Acrylic	•	•
Glass	•	
Coated metals	•	
Ceramics	•	
Delrin	•	•
Cloth	•	•
Leather	•	•
Marble	•	
Matboard	•	•
Melamine	•	•
Paper	•	•
Mylar	•	•
Cardboard	•	•
Rubber	•	•
Wood veneer	•	•
Fiberglass	•	•
Painted metals	•	
Tile	•	
Plastic	•	•
Cork	•	•
MDF	•	•
Anodized aluminum	•	
Twill	•	•
Stainless steel	‡	
Brass	‡	
Titanium	‡	
Bare metal	‡	

‡ CO² lasers will mark bare metals when coated with a metal marking solution. For more info, call +1 303-277-1188.

Fiber Laser

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

- ABS (black/white)

Aluminum 6061

Aluminum, yellow chromate

Anodized aluminum

Bayers bayblend FR110

Brass

Brushed aluminum

Carbon fiber

Carbon nanotube

Ceramics

Ceramics, metal-plated

Cobalt chrome steel

Copper

DAP- Diallyl Phthalate

Delrin, colored (black/brown)

GE Plastics polycarbonate resin

Hard coat anodized aluminum

Inconel metals (various)

Iron-phosphate coating

Machine tool steel

Magnesium

Makrolon

Makrolon 2807

Molybdenum

Nickel-plated 1215 mild steel

Nickel-plated brass

Nickel-plated gold
- Nickel-plated Kovar

Nickel-plated steel

Nylon

PEEK, white & glass filled

Polybutylene Terephthalate

Polycarbonate, (black/white)

Polycarbonate resin 121-R

Polysulfone

Rynite PET

Santoprene

Silicon carbide

Silicon steel

Silicon wafers

Stainless steel 303

Stainless steel 17-4 PH

Steel 4043

Steel, machine tool

Teflon, glass filled

Various inconel metals

Zinc-plated mild steel

And many more!

Material Settings Library

The settings library in Epilog's Software Suite makes project setup incredibly convenient. Each machine comes with a material settings database that is populated with recommended settings for a variety of materials. Users can adjust and add settings quickly and easily, helping them streamline workflow and ensure consistency.

Dual-source

Two laser sources. One machine.

Epilog's dual source laser systems combine CO² and fiber laser technology into a single, versatile platform, giving users unmatched flexibility in one machine. With the ability to switch between sources, operators can engrave and cut traditional materials like wood, acrylic, and leather, then seamlessly move to permanent, high-contrast marking on metals. This all-in-one capability reduces the need for multiple machines, saves floor space, and streamlines workflows. Dual source systems are ideal for businesses that work with diverse materials, want to expand their service offerings, and need efficient production without compromising precision or quality.

Pro 24

Dual

Dual:

CO² 60 watt / Fiber 30 watt
CO² 80 watt / Fiber 60 watt

Pro 36

Dual

Dual:

CO² 80 watt / Fiber 30 watt
CO² 100 watt / Fiber 60 watt

Pro 48

Dual

Dual:

CO² 100 or 120 watt / Fiber 60 watt



15

Accessories

	Air compressor	Rotary attachment	Machine stand	1.5" Lens	4.0" Lens	5.0" lens
						
Ascent 12	•	•	•	•	•	•
Ascent 24	•	•	•	•	•	•
Pro 24	•	•	Included	•	•	•
Ascent 36	•	•	•	•	•	
Pro 36	•	•	Included	•	•	
Pro 48	•	•	Included		•	•
Galvo G100		•				

Work Tables

		Included	Extra options	
Ascent 12, 24, 36	CO2	Honey Comb table		
Ascent 12	Fiber	Task table		
Pro 24	CO2	Grid cutting table	Grid cutting table	Slat table
	Fiber	Task table		
	Dual	Task table	Grid cutting table	Slat table
Pro 36	CO2	Grid cutting table	Task table	Slat table
	Fiber	Task table	Grid cutting table	Slat table
Pro 48	CO2	Task table	Grid cutting table	Slat table
	Fiber	Task table		
	Dual	Task table	Grid cutting table	Slat table
Galvo G100	Fiber	Task table	Magnetic table	

Wattages

	30	40	60	80	100	120	200	30 Fiber	60 Fiber	100 Fiber	Dual (CO2/Fiber)
Fusion Ascent 12	•	•	•					•			
Fusion Ascent 24		•	•	•					•		
Fusion Ascent 36		•	•	•							
Fusion Pro 24			•	•	•						60/30, 80/60
Fusion Pro 36			•	•	•	•	•				80/30, 100/60
Fusion Pro 48				•	•	•	•				100/60, 120/60
Fusion Galvo G100								•	•	•	

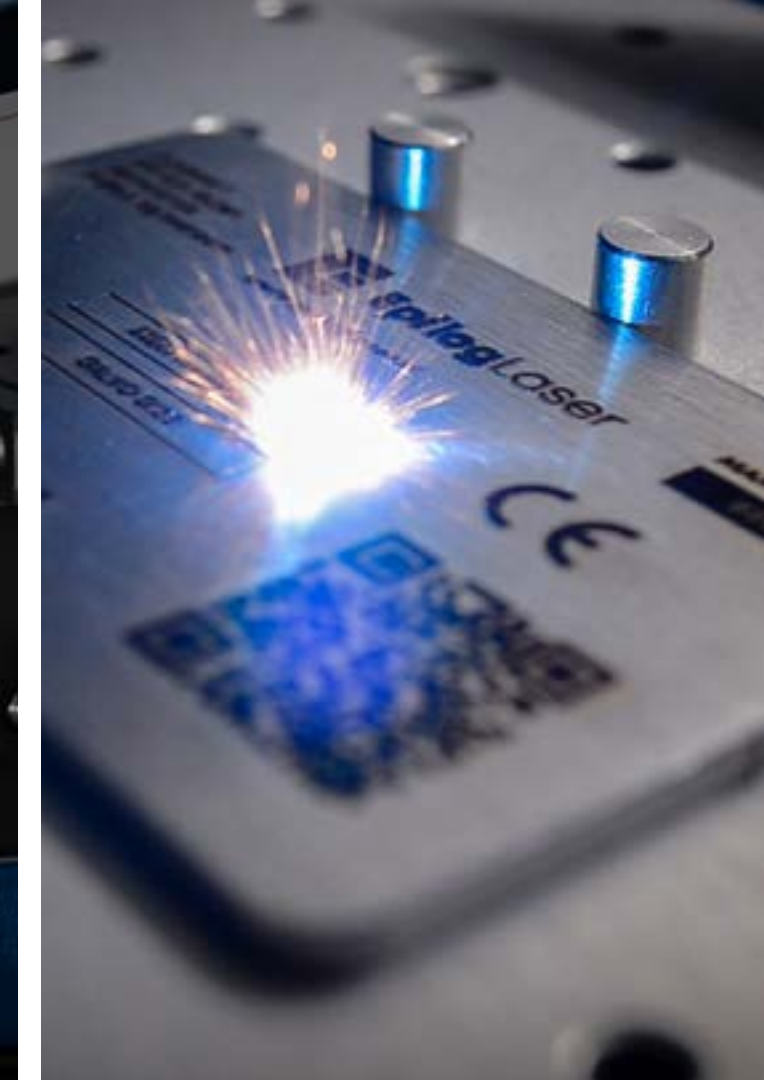
System Features

	Ascent 12	Ascent 24	Ascent 36	Pro 24	Pro 36	Pro 48	Galvo G100
An American Company: Designed, Engineered and Supported in Golden, CO	•	•	•	•	•	•	•
Software Suite: Dashboard™ and Epilog Job Manager™ Software Package	•	•	•	•	•	•	•
Touch-Screen Control: File selection, auto-focus, and more	•	•	•	•	•	•	•
IRIS™ Camera Positioning: Camera(s) for easy artwork positioning	•	•	•	•	•	•	•
SAFEGUARD™ features: Keep the mechanics clean and dust-free	•	•	•	•	•	•	•
Networking Choices: USB, Ethernet & Wireless connections	•	•	•	•	•	•	•
Permanent Job Storage (1 GB): Keep your most-run jobs at the machine	•	•	•	•	•	•	•
Auto Focus: Automatically focus the table to the correct focal distance	•	•	•	•	•	•	•
Radiance™ Beam-Enhancing Optics: Higher resolution for detailed engraving	•	•	•	•	•	•	•
CO2, air-cooled, metal/ceramic laser tube, 10.6 micrometers	•	•	•	•	•	•	
or fiber laser Source, 1064 nm	•	•					•
or Dual Source configuration				•	•	•	
Air Assist: Remove heat & combustible gases from the cutting surface	•	•	•	•	•	•	•
Vacuum Hold-Down Table: Exhaust under the table				•	•	•	
Super-Silent™ Cooling Fans: Quiet operation suitable for office environments	•	•	•	•	•	•	•
Job Trace: Quickly see where the job will engrave on your material	•	•	•	•	•	•	•
Rotary Attachment Compatibility	•	•	•	•	•	•	•
Rim-Style and 3-Jaw Chuck Rotary Compatibility	•	•	•	•	•	•	
Pass-through capabilities	•	•	•				
High-Speed Brushless DC Servo Motors: Withstands rigorous jobs at high speeds	•	•	•	•	•	•	
Removable Front Panel: Easy access to the crumb tray	•	•	•				
Easy-Access Drop-Down Door: Front access door for the laser system				•	•	•	
Automated Door: Door closes when the job begins and opens when finished							•

Tech Specs

						
	Fusion Ascent 12 (CO ² /Fiber)	Fusion Ascent 24 (CO ² /Fiber)	Fusion Ascent 36 (CO2)	Fusion Pro 24 (CO2)	Fusion Pro 36 (CO2)	Fusion Pro 48 (CO2)
Work Area	24"x12" (610x305mm)	24"x24" (610x610mm)	36"x24" (914x610mm)	24"x24" (610x610mm)	36"x24" (914x610mm)	48"x36" (1219x914mm)
Max Material Thickness	7" (178mm)	7" (178 mm)	7" (178 mm)	9" (228mm)	12.25" (311mm)	
Laser Tube Wattages	CO2: 30 watt, 40 watt, 60 watt, air cooled, metal/ceramic tube. Fiber: 30 watt MOPA	CO2: 40 watt, 60 watt, 80 watt, air cooled, metal/ceramic tube. Fiber: 60 watt MOPA	CO2: 40 watt, 60 watt, 80 watt, air cooled, metal/ceramic tube	60, 80, or 100 watt, CO2 air-cooled, metal/ceramic tube, 10.6 micrometers	60, 80, 100, 120, or 200 watt, CO2 air-cooled, metal/ceramic tube, 10.6 micrometers	80, 100, 120, or 200 watt, CO2, air-cooled, metal/ceramic tube, 10.6 micrometers
Software	Laser Dashboard™, Epilog Job Manager™			Laser Dashboard™, Epilog Job Manager™		
Memory	Multiple files up to 1GB. Engrave any file size			Multiple files up to 1GB. Engrave any file size		
Motion Control	High-speed, continuous-loop, brushless DC servo motors on the x-axis using rotary encoding technology for precise positioning			High-speed, continuous-loop, brushless DC servo motors on the x-axis using rotary encoding technology for precise positioning		
X-Axis Bearings	Ground & polished stainless steel, teflon-coated, self-lubricating bearings			Ground & polished stainless steel, teflon-coated, self-lubricating bearings. Dual blocks on X-axis for greater rigidity		
Belts	Advanced B-style double-wide Kevlar precision drive belts			Advanced B-style double-wide Kevlar precision drive belts		
Resolution	User-controlled 75-1200dpi			User-controlled 75-1200dpi		
Speed & Power	120 IPS (3.05m/s) with 5G acceleration. Computer-controlled in .001 increments up to 100%. Color mapping feature links Speed, Power, Frequency, and Raster/Vector mode			165 IPS (4.2m/s) with 5g acceleration. Computer-controlled in .001 increments up to 100%. Color mapping feature links speed, power, frequency, & raster/vector mode		
Print Interface	USB, Wireless, & 10Base-T Ethernet connections. Windows 10/11 or Mac OS compatible					
Size (W x D x H)	41.76" x 25.9" x 20.15" (1060,7 mm x 657,9 mm x 511,8 mm)	41.76" x 38.47"x 20.15" (1060,7 mm x 977,1 mm x 511,8 mm)	53.76"x38.47"x20.15" (1365,5 mm x 977,1 mm x 511,8 mm)	41.52"x32.81"x38.04" (1055x834x967mm)	53.52"x32.81"x40.54" (1359x833x1029mm)	70.6"x51.3"x42.75" (1794x1304x1086mm) Pedestal removed: 34"h (863mm)
Weight	147 lbs (67 kg)	175 lbs (79 kg)	212 lbs (96 kg)	240lbs (108kg)	275lbs (124kg)	650lbs (295kg)
Electrical	Auto-switching power supply 100-240volts, 50-60Hz, single phase. 13 Amp draw-MAX for 100-120 volts. 6.5 Amp draw-MAX for 220-240 volts.			Auto-switching power supply 110-240volts, 50-60Hz, single phase. 13 Amp draw-MAX for 120 volts. 15 Amp draw-MAX for 240 volts.		220-240volts, 50-60Hz, single phase. 6.5 Amp draw-MAX 240 volts (80w). 10 Amp draw-MAX 240 volts (100-200w).
Ventilation System	350-400CFM (595-680m³/hr) external exhaust to outside or internal filtration unit required. One output port, 4" (100mm) in diameter			350-400CFM (595-680m³/hr) external exhaust to outside or internal filtration unit required. One output port, 4" (102mm) in diameter		Two upper ports. One lower port. Total 735CFM. All ports 4" (102mm) diameter
Class	Sold as a Class 2 Laser Product - 1mW CW MAXIMUM 600-700nm. Class 4 conversion kit available for purchase.			Class 2 Laser Product - 1 mW CW MAXIMUM 600-700nm		

			
Fusion Pro 24 (Fiber/Dual)	Fusion Pro 36 (Dual)	Fusion Pro 48 (Dual)	Fusion Galvo G100 (Fiber)
24"x24" (610x610mm)	36"x24" (914x610mm)	48"x36" (1219x914mm)	F163: 4"x4" (101x101mm) F254: 6"x6" (152x152mm)
9" (228mm)		12.25" (311mm)	F163: 10" (254mm) F254: 6" (152mm)
Fiber: 30 watt fiber, air-cooled, includes collimator. 1064nm. Beam quality: M2 < 1.1. Dual: 60 CO2 / 30 fiber or 80 CO2 / 60 fiber	Fiber source is air-cooled, includes collimator. 1064nm. Beam quality: M2 < 1.1 Dual: 80 CO2 / 30 fiber or 100 CO2 / 60 fiber	Fiber source is air-cooled, includes collimator. 1064nm. Beam quality: M2 < 1.1 Dual: 100 or 120 CO2 / 60 fiber dual laser	30 Watt MOPA, 60 Watt MOPA, or 100Watt MOPA fiber laser
Laser Dashboard™, Epilog Job Manager™			
Multiple files up to 1GB. Engrave any file size			
High-speed, continuous-loop, brushless DC servo motors on the x-axis using rotary encoding technology for precise positioning			--
Ground & polished stainless steel, teflon-coated, self-lubricating bearings. Dual blocks on X-axis for greater rigidity			--
Advanced B-style double-wide Kevlar precision drive belts			--
User-controlled 75-1200dpi			
165 IPS (4.2m/s) with 5g acceleration. Computer-controlled in .001 increments up to 100%. Color mapping feature links speed, power, frequency, & raster/vector mode			--
USB, Wireless, & 10Base-T Ethernet connections. Windows 10/11 or Mac OS compatible			
41.52"x32.81"x38.04" (1055x834x967mm)	53.52"x32.81"x40.54" (1359x833x1029mm)	70.6"x51.3"x42.75" (1794x1304x1086mm) Pedestal removed: 34"h (863mm)	28"x23"x31" (door closed) 28"x23"x37" (door open) 711x584x787mm / 940mm
240lbs (108kg)	275lbs (124kg)	650lbs (295kg)	131 lbs (59.5kg)
Auto-switching power supply 110-240volts, 50-60Hz, single phase. 13 Amp draw-MAX for 120 volts. 15 Amp draw-MAX for 240 volts.		220-240volts, 50-60Hz, single phase. 10 Amp draw-MAX for 240 volts (100-200w).	110-240 volts, 50-60 Hz, single phase, 15 amp AC. 13 Amp draw-MAX for 100-120 volts. 6.5 Amp draw-MAX for 220-240 volts.
350-400CFM (595-680m³/hr) external exhaust to outside or internal filtration unit required. One output port, 4" (102mm) in diameter		Two upper output ports. One lower port. Total 735CFM. All ports 4" (102mm) diameter	450 CFM (765m³/hr) external exhaust to outside or internal filtration unit required. One output port, 4" (102 mm) in diameter.
Class 2 Laser Product - 1 mW CW MAXIMUM 600-700nm			



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