



Mini 18 / 24 & Helix 24 Tech Specs

Technical specifications of our Mini 18, Mini 24, and Helix 24 systems, legacy systems of Epilog Laser. See specifications on these units below.

⚙️ Technical Specifications			
	Epilog Mini 18	Epilog Mini 24	Epilog Helix 24
Engraving Area	18" x 12" (457 x 305 mm)	24" x 12" (610 x 305 mm)	24" x 18" (610 x 457 mm)
Maximum Material Thickness	4" (102 mm)	5.5" (140 mm)	8.5" (216 mm)
Maximum Material Thickness with Table Removed	6" (152 mm) with a 17.5" x 10" (445 x 254 mm) engraving area.	8" (203 mm) with a 23.5" x 11.75" (597 x 298 mm) engraving area.	11" (279 mm) with a 23.5" x 17" (597 x 432 mm) engraving area.
Laser Wattage	30 or 40 watts	30, 40, 50, or 60 watts	30, 40, 50, 60, or 80 watts
Laser Source	State-of-the-art, digitally controlled, air-cooled CO2 laser tubes are fully modular, permanently aligned and field replaceable.		
Intelligent Memory Capacity	Multiple file storage up to 64 MB. Rolling buffer allows files of any size to be engraved.		
Air Assist	Attach an air compressor to our included Air Assist to remove heat and combustible gases from the cutting surface by directing a constant stream of compressed air across the cutting surface.		
Laser Dashboard	The Laser Dashboard™ controls your Epilog Laser's settings from a wide range of software packages - from design programs to spreadsheet applications to CAD drawing packages.		
Red Dot Pointer	Since the laser beam is invisible, the Red Dot Pointer on Epilog's Mini and Helix Lasers allows you to have a visual reference for locating where the laser will fire.		
Relocatable Home	When engraving items that are not easily placed at the top corner of the laser, you can set a new home position by hand with the convenient Movable Home Position feature on the Legend Series Lasers.		
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Operating Modes	Optimized raster, vector or combined modes.		
Motion Control System	High-speed, continuous-loop, DC servo motors using linear and rotary encoder technology for precise positioning.		
X-Axis Bearings	Ground and polished stainless steel NeverWear Bearing System.		
Belts	Advanced B-style Kevlar Belts.		
Resolution	User controlled from 75 to 1200 DPI.		
Speed and Power Control	Computer or manually control speed and power in 1% increments to 100%. Vector color mapping links speed, power and focus to any RGB color.		
Print Interface	10 Base-T Ethernet or USB Connection. Compatible with Windows® XP/Vista/7/8/10.		
Size (W x D x H)	27.8" x 26" x 13.5" (706 x 660 x 343 mm)	34.5" x 26" x 16" (876 x 660 x 406 mm)	36.5" x 32" x 39.8" (927 x 813 x 1011 mm)
Weight	70 lbs (32 kg) 100 lbs (45.5 kg) w/stand	90 lbs (41 kg) 120 lbs (55 kg) w/stand	180 lbs (82 kg)
Electrical Requirements	Auto-switching power supply accommodates 110 to 240 volts, 50 or 60 Hz, single phase.		
Maximum Table Weight	The Mini 18 and 24 have a static table weight of 50 lbs (22.7 kg) and a lifting table weight of 25 lbs (11.5 kg).		The Helix 24 has a static table weight of 70 lbs (32 kg) and a lifting table weight of 30 lbs (14 kg).
Normal Sound Level	59 db	59 db	62 db
Ventilation System	350 - 400 CFM (595-680 m3/hr) external exhaust to the outside or internal filtration system is required. There is one output port, 4" in diameter.		350 - 400 CFM (595-680 m3/hr) external exhaust to the outside or internal filtration system is required. There is one output port, 4" in diameter.