



DARKLY
— LABS —

EMBLASER PRO
SPECIFICATION SHEET
2024



EMBLASER PRO

DESKTOP LASER CUTTER / ENGRAVER

The revolutionary desktop laser cutter and engraver from Darkly Labs.

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PRODUCT SPECIFICATIONS

OPTICS

Laser Technology	Solid-State Diode, Blue Spectrum.
Laser Power	40 & 60 watt
Beam Spot Size	0.12mm (0.005")
Focusing	Automatic
Cooling	Internally Liquid Cooled. No external equipment required.

FEATURES

Safety Classification	CDRH Class 1 Laser Device.
Connectivity	USB or WiFi 2.4GHz (802.11b/g/n).
Operating System	Windows 10+, Mac or Linux compatible.
Laser Height Control	Automatic with detect.
Fume Extraction	Built-In, Exhaust hose included.
Workspace Camera	Super high resolution. Full workspace 10240 x 4320 pixels.
Workspace Lighting	High Efficiency LEDs.
Air-Assist System	Internal air-assist system for amazingly clean cuts.
Software	Fully LightBurn compatible. (license included)

ACCESSORIES

WatchDog Accessory (optional)	Patented AI based system to autonomously detect and extinguish fires along with detecting harmful chlorine fumes.
F2000 Fume Filtration System (optional)	External fume filtration unit. Controlled by Emblaser Pro.

DIMENSIONS & POWER

External Dimensions	850mm x 560mm x 240mm, (34" x 22" x 9.6").
Material Capacity	510mm x 320mm x 60mm, (20" x 12.6" x 2.3").
Weight	18kg, (40 lb).
Power Requirements	110/220 VAC, 50-60HZ.
Power Consumption	250W. Approx (3x more efficient than a CO2 laser).

WARRANTY

Mechanics & Electronics	1 year.
Laser Module	1 year.