

E150 CO2 Laser Cutting & Engraving Machine

The demand for high-speed, precise cutting and engraving is growing rapidly across industries. Ideal for large-format applications like signage, decorative panels, acrylic letters, and woodcraft, it delivers consistent, accurate results with efficiency and reliability. Advanced technology ensures stable operation, fast production, and precise contour cutting with CCD camera guidance, all while supporting durable, long-term performance, making it perfect for businesses looking to scale production and maintain high-quality output.

Product Information

- 1 Laser Head Point
- 2 CCD Camera System
- 3 CO2 Laser Tube
- 4 Gantry & Carriage
- 5 DSP Controller Panel
- 6 Linear Rails
- 7 Intelligent Cooling System
- 8 Aluminum Knife Worktable



Key features

◆ High-Power CO₂ Laser

Delivers sharp, precise engraving and cutting across multiple substrates, including acrylic, wood, leather, and plastics. Ideal for both fine details and large-format projects.

◆ Large Working Area

~1300 × 2500 mm bed size allows handling of medium-to-large sheets, supporting industrial-scale production without sacrificing precision

◆ Heavy-Duty Steel Frame

Minimizes vibration, ensures long-term structural stability, and maintains alignment for consistent output during high-speed operation.

◆ CCD Camera Alignment

Built-in camera detects contours and corrects placement, allowing accurate cutouts for irregular shapes and repeatable engraving on complex designs.

◆ Safety Features

Includes protective laser housing, emergency stop, and interlocks to ensure safe operation in commercial environments.

◆ User-Friendly Controller

USB and Wi-Fi connectivity with an intuitive interface compatible with LightBurn and other CNC software, making file transfer and job setup straightforward.

Headquarters: DIP-2, Plot No: 597-634, P.O. Box No: 27402, Dubai, UAE. Tel: +971 4 8049800.

UAE Customer Support # 800 74463. Locations: UAE, KSA, OMAN, KUWAIT, QATAR & BAHRAIN

Please Visit our Online Store at www.bluerhine.store

E150 CO2 Laser Cutting & Engraving Machine

Technical Specifications

Model number	E150 CCD camera function included
Laser Type	Co ₂ Glass Tube / 300W Dual Tube
Laser Power	150W
Cooling	Intelligent Constant Temperature Cooler and Protection System
Control and drive	High Speed DSP Control Stepper Motor High Subdivision Drive
Voltage	AC220V ± 50HZ
Engrave Speed	0-60000mm/min
Cut Speed	0-30000mm/min (Depends on material thickness)
Red dot	Include
transfer method	Imported Linear Square Guide way
Working Size	1300mm*2500mm
Machine Size	3450*2030*1150mm
Power Supply	220V 50/60Hz 4KW
Standard	Blade table
Air Support System	150W Top, Left & Right / 300W Top & Bottom
Software	Coreldraw, CAD, AI Files via RD Works Software
Weight	1200kg
Standard Accessories	Air Pipes, Hose Clamp, Power Cable, Net Work Cable, Focusing Plates, Key, Dual Air Exhaust fan, Air Pump (Air compressor not included)

Use Cases

Signage & Displays



Interior Decoration



Prototype



Corporate Gifts & Awards



Headquarters: DIP-2, Plot No: 597-634, P.O. Box No: 27402, Dubai, UAE. Tel: +971 4 8049800.
 UAE Customer Support # 800 74463. Locations: UAE, KSA, OMAN, KUWAIT, QATAR & BAHRAIN
 Please Visit our Online Store at www.bluerhine.store