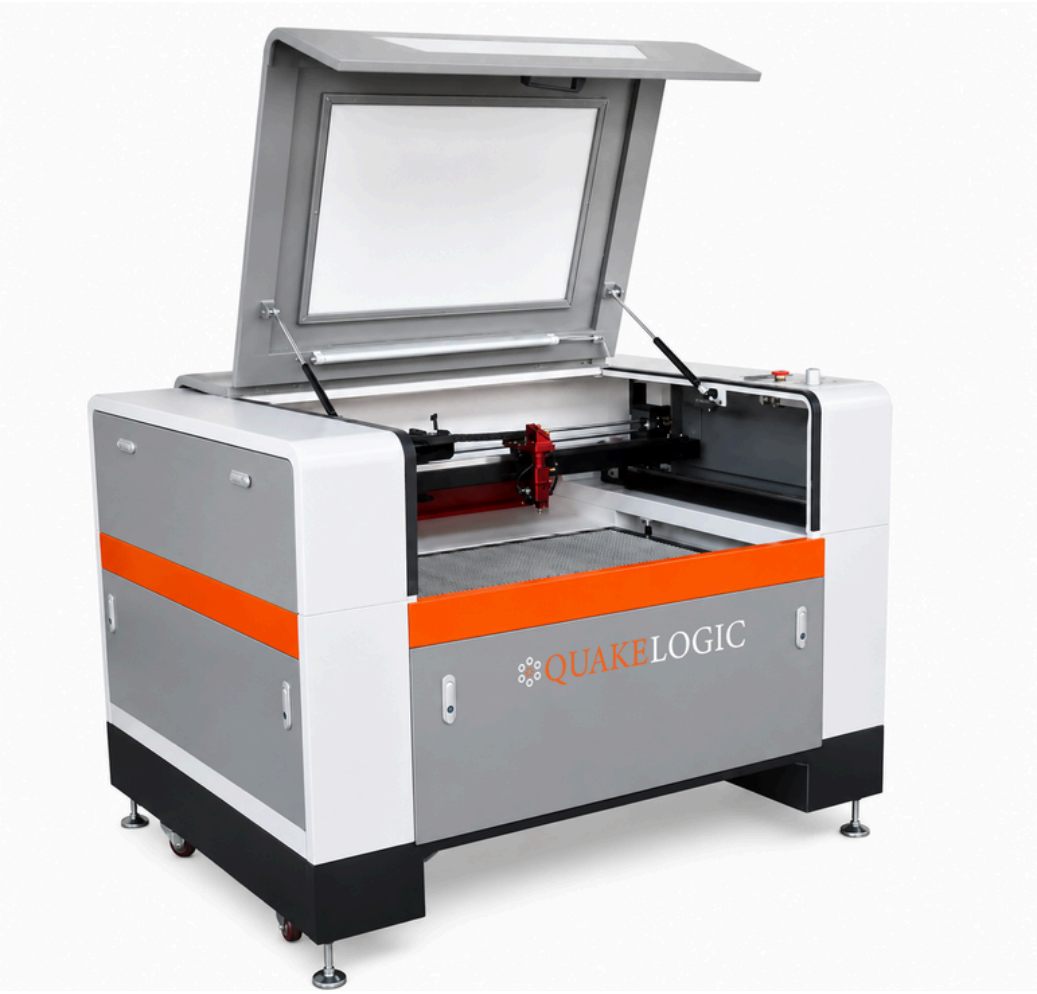
QUAKELOGIC

QL-ProLaser Fusion 90

CNC CO_2 LASER SYSTEM



QL-ProLaser Fusion 90

CNC CO_2 LASER SYSTEM

- The QL-ProLaser Fusion 90 CNC CO_2 Laser System is a high-performance laser cutting and engraving platform engineered for advanced laboratory fabrication, prototyping, research, and industrial production applications.

- Designed to process a wide range of non-metallic materials including acrylic, fiberglass, polycarbonate, wood, foam, and composites, the system combines precision motion control, high-power CO_2 laser technology, and user-friendly software integration. Its fully enclosed architecture, offline operational capability, and advanced safety features make it ideal for secure research environments, manufacturing facilities, and technical laboratories requiring reliable, repeatable, and high-quality fabrication performance.

Technical Specifications:

• Laser Type:	• Industrial CNC CO_2 Laser Cutting and Engraving System
• Laser Power:	• 90 W CO_2 Laser Source (Minimum 80 W Output)
• Working Area:	• Minimum 24 in × 36 in (610 mm × 914 mm)
• Processing Functions:	• Precision Cutting, Engraving, Marking, and Etching
• Compatible Materials:	• Acrylic, Polycarbonate, Fiberglass, Foam, Wood, MDF, Leather, Rubber, Paper, and Other Non-Metallic Materials
• Safety Classification:	• Configurable Class I / Class II Operation Through Integrated Safety Interlocks
• Enclosure:	• Fully Enclosed Safety Cabinet Design
• Positioning Accuracy:	• ≤ 0.01 mm
• Motion System:	• Precision Linear Guide and Belt-Driven Motion Platform

Technical Specifications:

• Z-Axis Adjustment:	• Motorized Adjustable Worktable
• Control Interface:	• Industrial CNC Motion Controller
• Connectivity:	• USB and Ethernet Communication Interfaces
• Operating Mode:	• Fully Offline / Air-Gapped Operation Supported; No Internet Connection Required
• Software Compatibility:	• Adobe Illustrator®, LightBurn®, CorelDRAW®, and Other Industry-Standard Design Platforms
• Cooling System:	• Industrial Closed-Loop Water Chiller Included
• Air Assist System:	• Integrated Air Assist for Improved Cutting Quality
• Exhaust System:	• Industrial Fume Extraction System Included

Advanced CO_2 Laser Cutting & Engraving Solutions

Corporate Headquarters

QUAKELOGIC INC.
2008 Opportunity Dr. Suite 130
Roseville, CA 95678, USA

Available Monday - Friday, 9 AM - 5 PM PST

Executive Support Line

+1 (916) 899-0391

Direct support for CO_2 laser cutting, engraving, fabrication, and laboratory production applications.

Strategic Inquiries

sales@quakelogic.net

For CO_2 laser cutting systems, engraving platforms, prototyping, laboratory fabrication, and production applications.

Our Commitment to Advanced CO_2 Laser Fabrication Solutions

Precision Cutting & Engraving

Delivering accurate and repeatable CO_2 laser cutting, engraving, marking, and etching performance for non-metallic material applications.

Advanced CO_2 Laser Performance

Providing high-power 90W CO_2 laser processing, precise motion control, offline operation, and smooth software-based production workflow.

Dedicated Technical Support

Ensuring reliable operational support, application guidance, setup assistance, and after-sales service for laser cutting and engraving operation.

Scan to Explore CO_2 Laser Cutting & Engraving Solutions

Explore QL-ProLaser Fusion 90 Capabilities and CO_2 Laser Applications

Discover how QL-ProLaser Fusion 90 supports precise cutting, engraving, marking, and prototyping for laboratories, fabrication environments, and production facilities.

www.quakelogic.net