

# CONTROL LASER TECHNOLOGY CHANGING INDUSTRIES

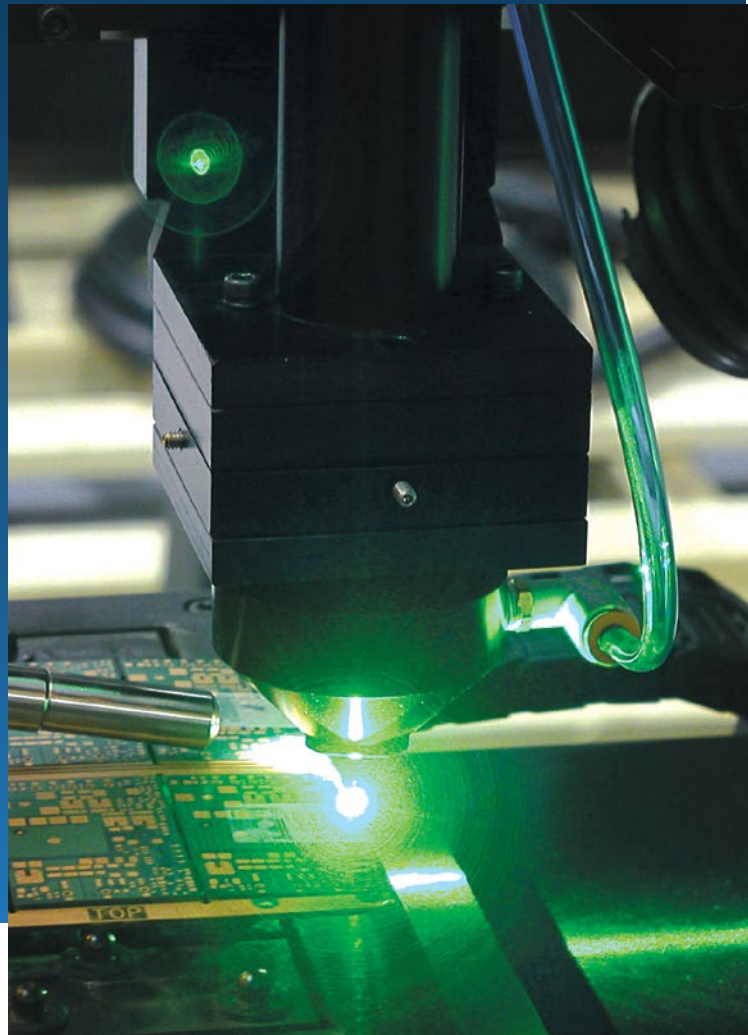
The Global Leader in Laser System Solutions for over 50 years specializing in:  
**Laser Marking & Engraving, Laser Cutting, Micromachining,  
Semiconductors, Wire Processing, and Automation**



# OVER 50 YEARS OF LASER EXPERIENCE

*To be an expert in laser processing requires an intense knowledge of materials, laser parameters, wavelengths, optics, software, and integration.*

Since 1965, CLC has provided the most innovative laser technology solutions in the industry and produced some of the first systems available for laser marking and engraving in the world. Our facility houses the most skilled professionals in engineering, applications, production, software, and service. We guarantee the highest level of technical knowledge and quality of products and services at Control Laser well above the standards of our competitors.



## OUR FOCUS IS YOUR ADVANTAGE

Laser technology is rapidly changing industry by offering a better, faster, and safer way to process materials utilizing the power of light. It's our mission to continually perfect and develop solutions for new markets and industries that capitalize on the particular strengths of each laser type and system.

To deliver precision laser products we must first understand the needs of our customers. We carefully consider what the customer requires and build a system around that need specifically. Our certified technicians run extensive testing across all available types of laser configurations and wavelengths to ensure that we find the perfect match for the highest quality results for your application **every time.**



# PRECISION LASER MARKING & ENGRAVING

Laser Marking and Engraving is the foundation upon which our company was built. Most companies rely on the repeatable, permanent marking capabilities of laser technology more than ever before. Our laser systems are considered the “go-to” solution for producing marks on almost every type of material for part identification and tracability. Control Laser offers the widest range of wavelengths, laser types, configurations, and power levels available. **We specialize in IR, CO<sub>2</sub>, UV, Green, Fiber Lasers, and Solid State Lasers.**

Control Laser is the leading manufacturer of laser systems in every major industry worldwide including:

***Automotive, Aerospace, Defense, Medical,  
Solar, Commercial, Electronics & Semiconductors,  
Telecommunications, Plastics,  
Packaging, Tools & Tooling,  
Jewelry, Novelty,  
and more.***



Our latest laser systems allow for lean manufacturing, less power consumption, and require little to no consumables.



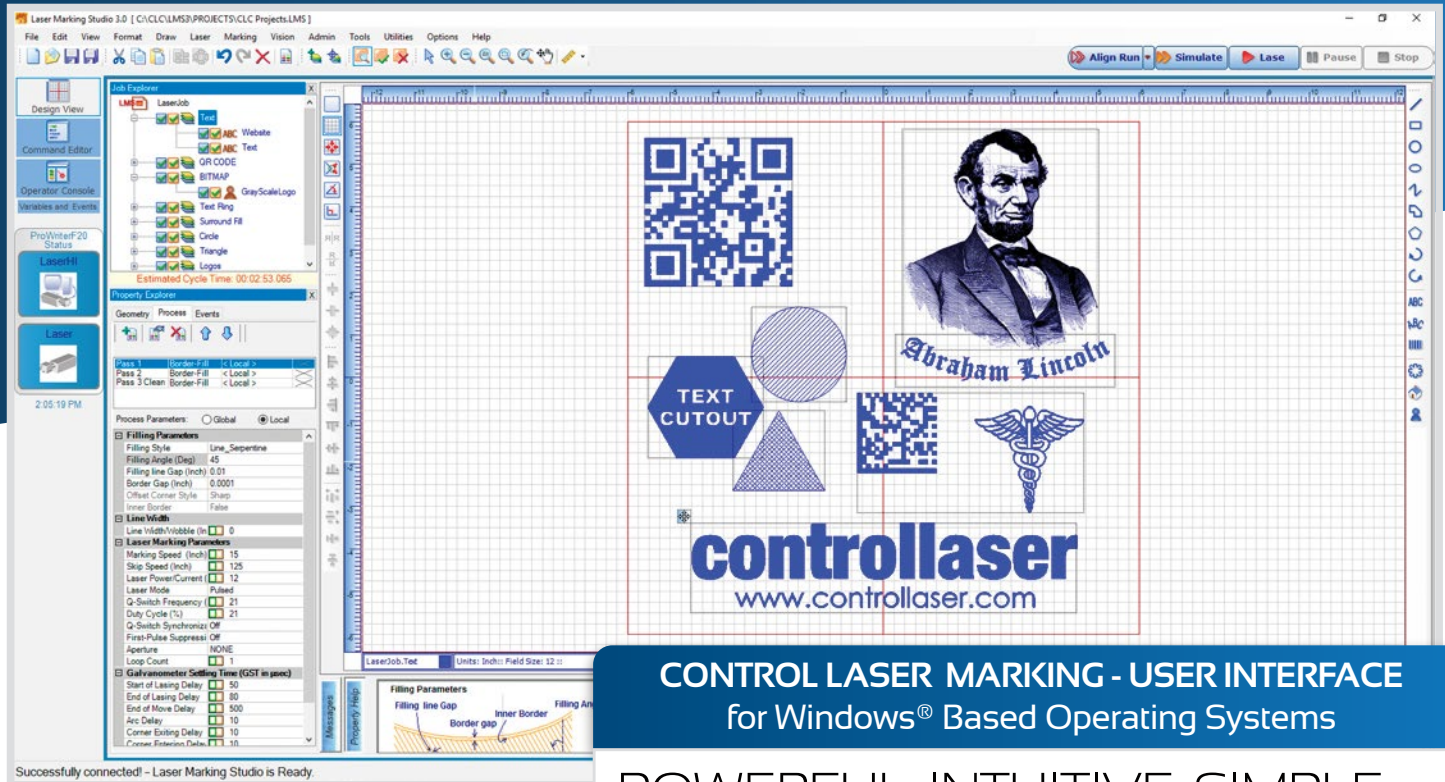
**ProWriter Fiber F-Series**

Low-Cost, Maintenance-Free Marking Systems



We offer a completely **risk-free evaluation** of your sample parts to find out if your application is suitable for a laser system. Most materials can be marked and processed with spectacular results. Please contact us for more details.

# INTEGRATED SOFTWARE LASER MARKING STUDIO™ (LMS)



## CONTROL LASER MARKING - USER INTERFACE for Windows® Based Operating Systems

### POWERFUL, INTUITIVE, SIMPLE.

Control Laser has internally developed the most powerful and user-friendly laser software for marking and engraving applications in the industry. Special attention has been paid to every detail in allowing our users to create jobs easily, laser graphics and text with creative freedom, while offering complete control over the laser's processing parameters.

We've included an on-screen job builder, real-time laser status system, pre/post events for automation, part alignment features, drag and drop logo and graphics, true type font support, built-in barcode generator, part array and fixture setup, serialization tools, and much more.

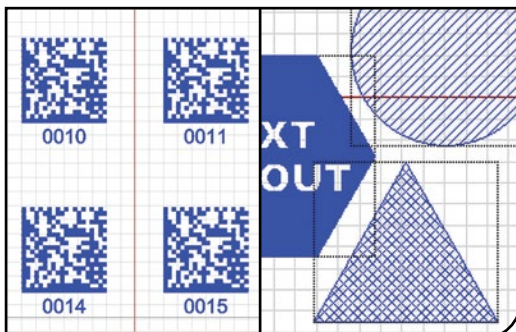
Key features of our LMS software include:

- **Graphics and Logo Import (most Vector / Raster file types)**
- **True Type Fonts and Custom Laser Font Support**
- **Barcode Generator (UPC, Data Matrix, UID, QR, and more)**
- **Dynamic Logo and Text Auto-Filling**
- **Desktop Simulation Mode (Pre-Lase Testing)**
- **System Security with Multiple User Level Access**
- **Built-In Axis Controls**
- **Remote Laser Networking Capabilities**



LASER MARKING STUDIO

### BARCODE GENERATOR





# LASER MARKING WORKSTATIONS

## **NEW** Compact Fiber Station



**Dial Index Workstations**  
(36" / 28" versions shown)

## INDUSTRIAL STRENGTH

CLC workstations are built for rugged, every day industrial performance and precision part handling. We've created a workstation for any situation with 7"x7" to 48"x48" standard work areas to fully customized enclosures with multiple part fixturing and automation. Our quality team carefully inspects every enclosure to meet the safety requirements for CDRH compliance on all Class 1 laser products.



**Multi-Axis XYZ Linear Robot Laser Machines**



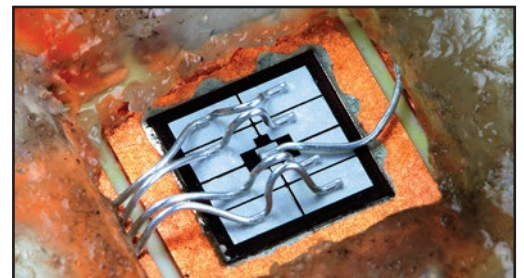
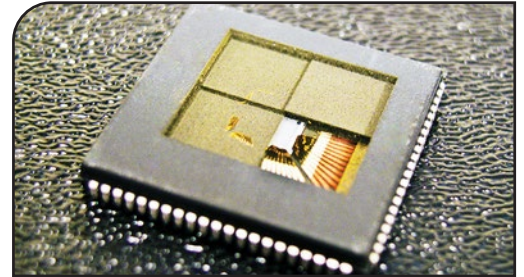
**Fiber Tower Enclosure**



## SEMICONDUCTOR LASER FAILURE ANALYSIS

The FALIT (pronounced "F-A-Light") was specifically designed with the Semiconductor Failure Analysis Lab in mind. This system utilizes a **patented laser process** with multiple laser configurations to solve the problems faced everyday in the Semiconductor Industry. The FALIT provides the safest, clean-est, fastest, and most accurate laser processing method for:

***IC Decapsulation, Cross-Sectioning, Component Delidding, Anti-Counterfeit Detection, and Gel Compound Removal.***



# FALIT

FAILURE ANALYSIS LASER INSPECTION TOOL



# REVOLUTIONARY LASER WIRE STRIPPING

Never before has it been easier to strip outer wire insulations without damage to the shielding or wires underneath. Best of all, you can now process wires directly at the harness board or on-site in mere seconds per wire with our handheld laser wire stripper. This system offers repeatable, consistent results that our customers can rely on. The NoNic is the future of laser wire stripping.

## NO NICK, NO DAMAGE

The NoNic Benchtop (previously WireMaster) has been targeted primarily by industry professionals in the aerospace, automotive, and defense (DOD) sectors. They have trusted the reliability and proven results on their most sensitive and difficult wire processes for years.

The NoNic Benchtop laser wire stripper can successfully Strip and Slit wires up to 12" inches in length. This model is available in multiple configurations to process a wide range of wire diameters from .050" to .450" inches.

**NoNic**  
laser wire stripper



NoNic Benchtop

## STRONG & RELIABLE LASER WELDING SYSTEMS

Increase the range of repair and assembly capabilities by incorporating micro laser welders within your organization. Laser welders offer repeatable, accurate metal joining with narrow deep welds and high welding rates. Laser welders provide owners with pin-point welding accuracy with precise targeting while minimizing the potential for heat damage to your parts.

Laser spot welders can be used for creating and repairing jewelry, repairing eye glasses, joining metals, repairing molds, and much more! Our laser welders are ergonomically designed with state-of-the-art components, conveniently located controls and easy to read user interface ensuring optimal performance with minimal operator fatigue.



**INSTAWELD**



# CONTROL LASER CORPORATION

INNOVATIVE LASER TECHNOLOGY SINCE 1965

## *Industries We Proudly Serve:*

*Automotive, Aerospace, Defense, Medical, Solar, Commercial,  
Electronics & Semiconductors, Telecommunications, Plastics,  
Packaging, Tools & Tooling, Jewelry, Novelty, and more.*



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