

# LASER SERVICES

## High-Speed Laser Welding, Sealing and Marking with Consistent Accuracy

Litron offers the finest welding services for microelectronic packages, medical implant devices, aerospace components, and other precision components. To perform these services, we use laser-processing modules of the highest quality from standard-setting companies like GE Fanuc, MBRAUN and TRUMPF.

### Open Air Laser Welding

- From High Pace/High Volume Components to the most Intricate Implantable Device

### Laser Cutting

- Automated Bar Fed Tube Cutting

### Laser Marking

- Marking - Alphanumeric serialization, bar coding, etc. that meets stringent medical specifications and withstands autoclaving
- Engraving - Hardened steel, tool steels and delicate components can be etched or marked using legible characters as small as 0.015" high

### Testing and Validation

- Statistically Validated Processes
- Leak & Pressure Testing
- Cross Section Analysis
- Pull Testing
- 100% Visual Inspection On All Parts

### Laser Equipment

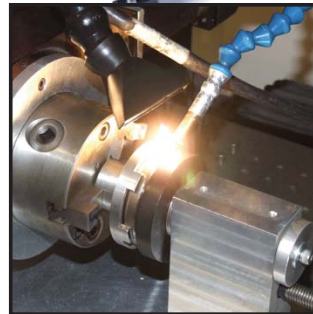
- Trumf Yag Lasers
  - 22P, 62P, 124P, 204P, 304P, 353D, 101P, ProfiWeld
- Trumf Fiber Laser
- High Velocity Soot Removal Systems
- Aerotech and Fanuc Controllers
- Pulse and CW (Continuous Wave) Lasers

### Engineering Services

- Prototype to Production
- Joint Design
- Material Selection
- Tooling

### Typical Materials Used

- Aluminum
- Nitinol
- Kovar
- Stainless Steel
- Titanium
- Hastelloy



L I T R O N

1-866-LITRON-1

ISO 13485 CERTIFIED

[www.litron.com](http://www.litron.com)