

Contract Laser Micromachining

Improve performance, increase yield, reduce manufacturing costs

OpTek
SYSTEMS

Laser processing services that meet your production needs – from proof of concept, through qualification to full volume production, consult the experts.

OpTek Systems your quality manufacturing partner in laser micromachining

OpTek operates micro-machining facilities for contract materials processing and for demonstration of processes for machine design and build. Maybe your volumes do not justify a dedicated machine, or maybe you simply want to outsource this service. In that case, OpTek can help by providing an efficient and responsive contract micromachining service. We offer a number of standard micromachining services as described below. 'Non-standard' services can also be provided, so if you have a micromachining requirement, please contact us.

Laser Processing for precision production processing

- **Micro-hole drilling** for sensors, aerosols, catheters, drug delivery, etc.
- **Laser micro-cutting** of polymer, metal, ceramic, glass and composites
- **Laser scribing & patterning** for electronics, sensors, display and PV
- **Stripping and cutting** for catheters, wires, optical fiber and capillaries
- **Laser micro-milling** for bearing faces, fluid control and hard tooling
- **Laser dicing** of diamond, ceramic, semiconductor and polymer wafers

The advantages of laser processing include:

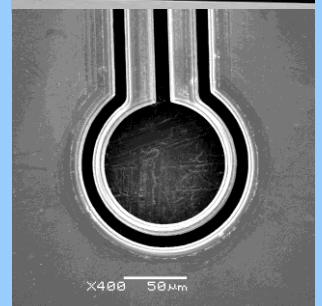
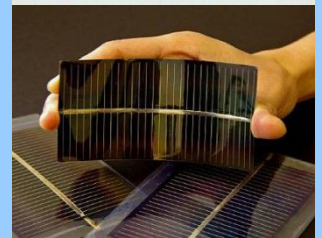
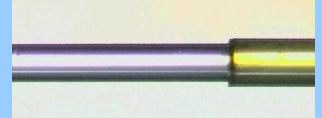
- **Rapid non-contact process**
- **Accurate and repeatable** feature positioning
- **Precise control** over feature size, shape and geometry
- **Flexibility** - broad range of features and geometries
- **Maximized performance** through in-situ process monitoring
- **Scalable for volume** - suitable for high levels of automation

Added Value

Sub-contract laser processing and micromachining from OpTek Systems delivers a timely and flexible service for your production needs:

- **Versatile service** Wide range of laser types and part handling options
- **Flexibility** New process development through to routine production
- **Processing volumes** 1 to 1,000,000+ batch or continuous production
- **Automation** as appropriate to deliver price/volume priorities
- **Additional manufacturing steps** to maximize productivity & efficiency
- **Worldwide network** supporting your global supply chain
- **ISO9001** – fully certified service

Contact OpTek Systems today for more details on our laser processing services or to discuss your specific production needs.



Solutions for precision manufacturing - To learn more contact:

OpTek Systems

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