

## Your Vision + Our Insight = Success

Cinnabar Optics provides consulting services to help companies bring their optical engineering ideas to market.

Our clients come from Aerospace, Defense, and Medical Device manufacturing.

We can help bring your idea from concept to concrete design, to building a prototype, to developing the engineering unit for pre-production and manufacturing.

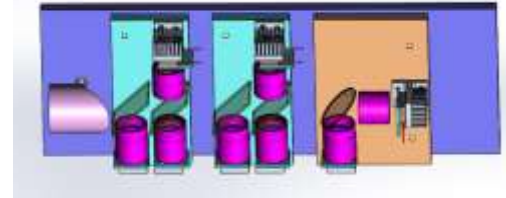
Talk to Cinnabar Optics about your idea. The initial discovery phase, under a mutual NDA, including a discussion of your requirements and goals is at no cost to you.

Cinnabar Optics LLC  
325 Conrad Drive  
Erie, CO 80516-6878

Cinnabar Optics LLC  
325 Conrad Drive  
Erie, CO 80516-6878

# Cinnabar Optics LLC

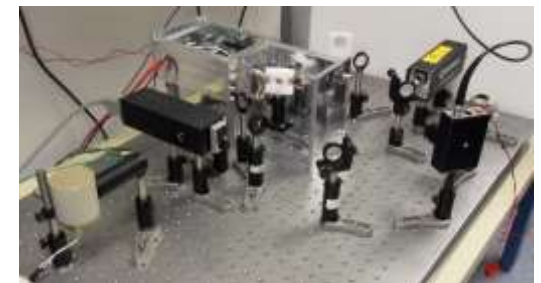
*Bright Ideas, Brilliant Optics*



**Multiple Wavelength Excitation Source**



**Optically-Pumped Semiconductor Laser**



**Fast Optical Switch Quantum Kerr Effect**



## “Sandy” Sandalphon, PhD

Founder and CEO of Cinnabar Optics. Sandy graduated with a PhD in Optical Sciences from the College of Optical Sciences at the University of Arizona. Sandy’s industrial experience includes optical data storage at DataPlay, electro-optical systems for biometrics at Authenti-Corp, and LiDAR and remote sensing electro-optical systems at Lockheed Martin.

### Cinnabar Optics Projects:

- Remote Interferometry
- Optically-Pumped Solid-State Lasers (OPSL)
- Fast Optical Switching
- Electro-Optical UV and VIS Source for Medical Device

“Sandy conceived, designed and built the optics R&D Lab at DataPlay in record time and within budget.”

David H Davies PhD, CTO,  
DataPlay Inc.

“Sandy’s contributions resulted in a better optical design and a smoother transfer to manufacturing.”

John Nichols, Vice President of  
Product Development at Precision  
Biopsy, Inc

**Cinnabar Optics** areas of expertise include: conceptual design analysis to verify requirements and improve performance, rapid construction of proof-of-principal prototypes (using COTS parts where possible), managing the transition from engineering units to manufacturing.

## Step Up - Without Staffing Up

Develop new ideas for your business without adding to head count by using our consulting services. We can help you validate new product concepts before you commit existing or additional staff to the work.

## Let Cinnabar Optics Save You Time and Money

- Quick Concept Design Analysis
- Rapid Prototype Build
- Evaluate Potential Suppliers
- Manage Transition from Prototype to Manufacturing

## Satisfied Customers

Cinnabar Optics is proud to count these companies among our clients:

- Arête Associates
- Plexus Engineering Solutions
- Precision Biopsy

## Contact Us

Cinnabar Optics LLC  
325 Conrad Drive  
Erie, CO 80516-6878  
Office: 1-720-295-6431  
Mobile: 1-408-505-4280  
sandalphon@cinnabaroptycs.com

<http://cinnabaroptycs.com>

DUNS: 961612822

NAICS: 541712

CAGE: 5W2Y9