

# Inradoptics

## Annual Meeting of Shareholders



June 27, 2018

# *What We Do:*

We are a manufacturer of exceptional quality crystalline materials, fabricated high precision glass and metal optical components and devices used in lasers and other light based systems.

**Inrad**optics

# *Why We Do It:*

We improve the world's safety, security  
and scientific understanding  
by transforming challenging requirements  
into optical realities.

**Inrad**optics

## *Fast Facts:*

- Established 1973
- Publicly Traded
- 42,000 sq. ft. facility
- Vertically Integrated
- US State Dept. ITAR Registered
- ISO – 9001 Certified

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# *Our Value Proposition in a Fierce and Fragmented Marketplace*

We address an unmet need in the custom optical components and sub-systems marketplace.

- We focus on high barrier to entry and niche optical technologies
- We take on science & engineering intensive multi-dimensional optical projects
- We offer concurrent engineering to shrink development cycle time and optimize customer's design for manufacturability
- We offer best class optical materials expertise

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# Vertical Manufacturing:

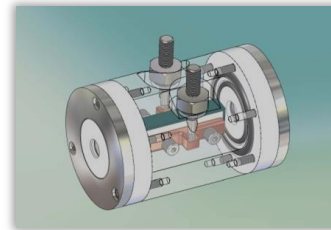
Grow Crystals



Cut & Polish  
Optics



Design and Assemble  
Electro-optical  
Devices



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# Crystals to Coatings

## Three Product Segments:

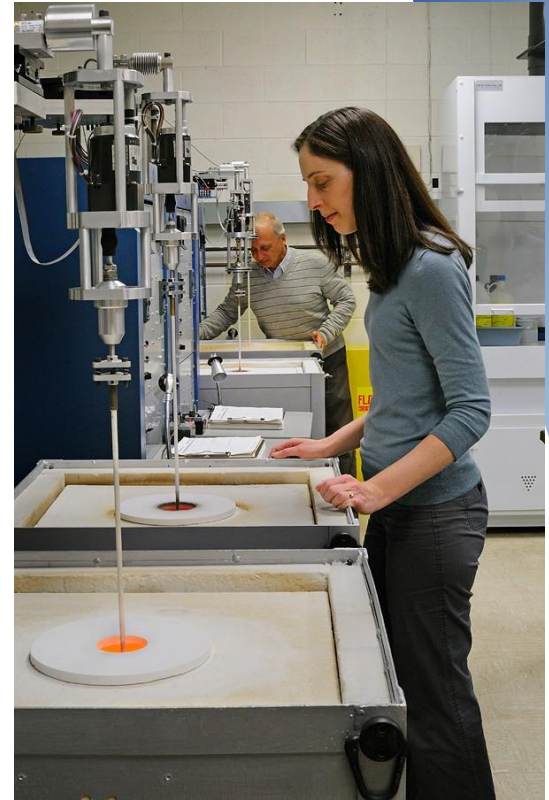
- Crystalline Materials & Devices
- Glass & Glass-like Optics & Assemblies
- Metal Substrate Optics & Assemblies



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# Crystalline Materials & Devices

- High Temperature Furnace Growth Crystals
  - Lithium Niobate – EO modulator for laser
  - communications and other devices
  - BBO – Light conversion crystal used in
  - Alcon laser cataract removal system
- Solution Growth Crystals
  - UV Filter Crystals – installed in system on
  - Combat aircraft & Air Force 1.
  - KD\*P – R &D High Power Lasers,
  - Fusion Energy studies
  - Scintinel™ Stilbene – Nuclear detection





# Scintinel™ Stilbene



- Emits light in the presence of nuclear radiation.
- Breakthrough in nuclear radiation detection associated with border security and terroristic threat reduction.
- 6 science and technology awards –  
DHS to Popular Science's Best of What's New 2015.



# Glass & Single Crystal

- Unique High Precision Optical Components
- Large & Complex Optomechanical Assemblies
- Optomechatronic Sub-Systems



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# Metal Optics

- Unique High Precision Optical Components
- Complex Optomechanical Assemblies
- Optomechatronic Sub-Systems



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# Markets We Serve

Aerospace & Defense



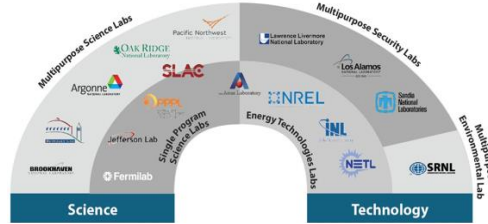
Process Control and Metrology



Laser Systems

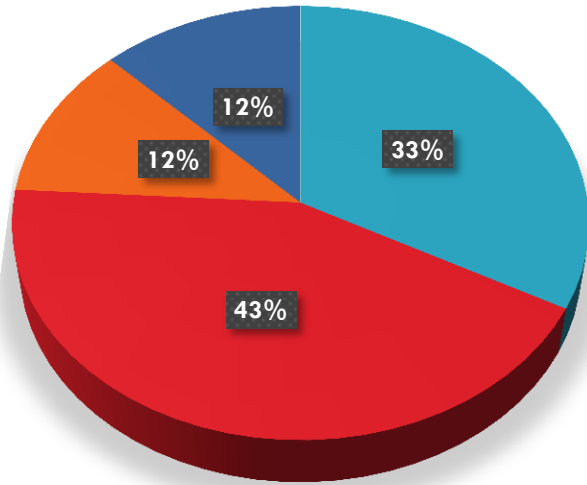


Universities & National Labs



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# 2017 Revenue By Market



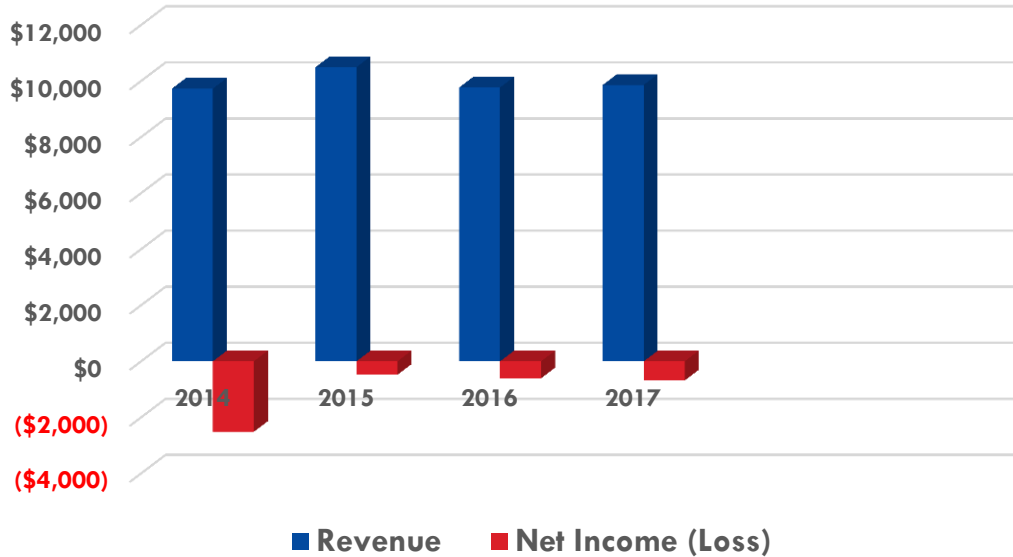
■ Defense/Aerospace

■ Process Control & Metrology

■ Laser Systems

■ Universities & National  
Laboratories

## Revenue & Net Income 2014-2017



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