



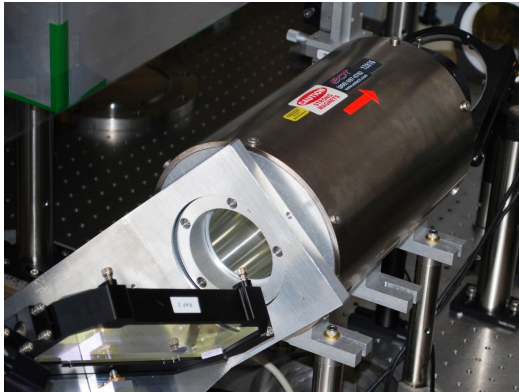
Electro-Optics Technology, Inc.

# Innovative High Quality Laser Solutions

## CUSTOM SOLUTIONS For Unique Requirements

### OVERVIEW

From  $\mu\text{W}$  to  $\text{PW}$  and  $\text{CW}$  to  $\text{fs}$ , EOT's Custom Solutions team provides prompt, innovative solutions to customer requirements not addressed by EOT's standard product offerings. These solutions may involve modifications to existing products or providing superior performance and capability of existing products. EOT has a high level of vertical integration. Capabilities include laser crystal growth, optical polishing, bonding, coating, and the design and manufacture of discrete optical components and subassemblies. EOT collaborates closely with customers on their unique requirements and welcomes all inquiries for custom products.



### APPLICATIONS

**Scientific:** Ultrafast Spectroscopy, Laser Accelerators, Particle Image Velocimetry, Plasma Physics, Nuclear Fusion, Frequency Combs, Atomic Clocks

**Defense:** LIDAR, Directed Energy Weapons, Strategic Illuminators

**Industry:** Micromachining, Welding, Cutting, Semiconductor and Microelectronic Fabrication, Laser Shock Peening, Flat Panel Display Fabrication

**Life Sciences/Medical:** Cosmetic Surgery, DNA Sequencing, Environmental Sensing, OCT, LASIK, Raman Spectroscopy

### FEATURES

- Optical Isolator Solutions
  - Custom Wavelengths
  - High Power ( $>1 \text{ kW } P_{\text{avg}}$  or  $\text{CW}$ )
  - Fiber-to-fiber Isolators
- Beam Delivery Solutions
  - Fiber-to-free space Isolators
  - High power fiber collimators, ferrules, and endcaps ( $>100 \text{ W } P_{\text{avg}}$  or  $\text{CW}$ )
- Laser Light Detection Solutions
  - Custom packaging solutions
  - Custom wavelengths and response time
- Polarizer & Bandpass Filter Solutions
  - High extinction thin film polarizers
  - High power bandpass filters
- Custom Mechanical Solutions
- Laser Crystals & Optical Bonding Solutions
- Custom Environmental Solutions



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## CURRENT CAPABILITIES

Laser	Wavelengths	Free Space Rotators & Isolators	Fiber-to-Fiber & Fiber-to-Free Space Isolators	Photo-detectors	Thin Film Polarizers & Bandpass Filters	Laser Crystals	Optical Bonding	Custom Mechanical or Environmental Specs	Fiber End Caps, Collimators, & Terminators
PW & TW Laser Systems	700 nm to 1100 nm	✓	✓	✓	✓	✓	✓	✓	
kW+ Solid State & Fiber Lasers	1000 nm to 1100 nm	✓	✓		✓	✓	✓	✓	✓
Solid State Lasers (fs to CW) to 1 kW	700 nm to 1100 nm	✓	✓	✓	✓	✓	✓	✓	✓
Solid State Lasers (fs to CW) to 1 kW	1100 nm to 1700 nm	✓	✓	✓			✓	✓	✓
Solid State Lasers (fs to CW) to 1 kW	515 nm to 700 nm	✓		✓		✓	✓	✓	✓
Solid State Lasers (fs to CW) to 1 kW	1700 nm to 2800 nm	✓	✓					✓	✓
Solid State Lasers (fs to CW) to 1 kW	350 nm to 515 nm	✓		✓				✓	
Yb, Er, & Tm Fiber Lasers	1064 nm, 1550 nm, 1950 nm to 2050 nm	✓	✓	✓		✓		✓	✓
Diode Lasers	350 nm to 1500 nm	✓	✓					✓	✓
QCLs	3200 nm to 10600 nm	✓						✓	
CO <sub>2</sub> Lasers	9400 nm to 10600 nm	✓		✓				✓	
Other Laser Type	Contact EOT								

NOTE: The list above shows EOT's current capabilities but please contact us if this list does not address your needs as we are always looking for new applications we can support. Please contact [CUSTOM.SOLUTIONS@EOTECH.COM](mailto:CUSTOM.SOLUTIONS@EOTECH.COM).

## EXPORT/ITAR COMPLIANCE

EOT is registered with the Directorate of Defense Trade Controls (DDTC) and has the necessary export controls, facilities, and processes to ensure compliance with customer projects subject to export controls, whether that be ITAR or EAR. Customers can be assured that technical data is properly protected and EOT will obtain the necessary licenses if it becomes necessary.