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Come visit EOT at BiOS & Photonics West 2019

NEW PRODUCT RELEASES

- TORNOS Micro Optical Isolator
- TORNOS Broadband Optical Isolator
- New and Improved PAVOS Faraday Rotators and Isolators
- 1 µm High Extinction Thin Film Polarizers

In Depth: Custom Solutions

Photonics West Conference Session

SPIE BiOS & Photonics West 2019
Come visit EOT in San Francisco, CA
February 2 - February 7
Every year, EOT exhibits at several laser industry trade shows. We will again be attending SPIE BiOS, February 2-3. Come visit us at Booth 8428.

We are also very excited to be exhibiting at SPIE Photonics West this year, February 5-7, and invite you to Booth 2523 to view our latest technologies, meet with our representatives, and learn more about our products.

This year we will be featuring several new products outlined below including the TORNOS Micro Isolator, TORNOS Broadband Isolator, our New and Improved PAVOS devices, and our 1 µm High Extinction Thin Film Polarizers.

For more information regarding the trade shows EOT will be attending in 2018, please click here!

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**Coming Soon!**

**TORNOS Micro Optical Isolators**

EOT is pleased to announce the release of the TORNOS Micro Isolator. The TORNOS Micro Isolator is unmatched in size and performance in the visible and near-IR wave ranges. The TORNOS Micro has a 1 mm clear aperture, >30 dB isolation, and >90% transmission. With a package size of only 4 mm x 4 mm, this isolator is sized to fit inside a standard butterfly package.

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**TORNOS Broadband Optical Isolators**

EOT is excited to release the TORNOS Broadband Isolator. Featuring three models covering from 520 nm to 885 nm, the TORNOS Broadband offers completely passive, 30 dB isolation across the entire waveband. The TORNOS Broadband is ideally suited for multi-wavelength interrogation, broadband
laser sources such as Ti:Sapphire, and general purpose R&D and laboratory use.

New and Improved PAVOS Faraday Rotators and Isolators

EOT’s proven Faraday Rotators and Isolators have just gotten significantly better. Design knowledge learned from EOT’s 30 years of experience making Faraday Rotators and Isolators combined with our acquisition of FEE GmbH, an industry-leader in optical crystal growth and manufacture, has allowed EOT to reduce our thermal lens effect and improve isolation and transmission specifications for our 2 mm, 4 mm, 5 mm, 8 mm, and 12 mm aperture products. Thermal lens impact has been reduced by 25% and minimum isolation can now be set at greater than 33 dB, with typical tested parts having isolation greater than 37 dB.

1µm High Extinction Thin Film Polarizers

EOT is announcing the addition of 1 µm High Extinction Thin Film Polarizers to our product portfolio. EOT’s 1 µm High Extinction Thin Film Polarizers can be designed for various aperture sizes and incident angles and will typically exceed 31000:1 contrast ratio. The 1 µm High Extinction Thin Film Polarizers can also be paired with EOT’s proven PAVOS Faraday Rotator to provide a PAVOS Thin Film Isolator that eliminates costly and time-consuming polarizer handling, mounting, and tuning. EOT’s PAVOS Thin Film Isolators will provide a minimum of 33 dB isolation and are 100% verified before shipment.

For more information regarding our newly released product, please contact sales@eotech.com.

Custom Solutions
An in-depth look at EOT"s Custom Solutions Capabilities

OVERVIEW
From μW to PW and CW to fs, EOT's Custom Solutions team pro-vides prompt, innovative solutions to customer requirements not addressed by EOT’s standard product offerings. These solutions may involve modifications to existing EOT products or providing superior performance and capability of existing EOT 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
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

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.

For more information about our Custom Solutions Capabilities, click here.

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**Photonics West Conference Session**

**Lawrence Livermore National Laboratory Presentation**

Come listen to *Enabling Technologies and Architectures for Joule-class and Beyond High Average Power Lasers*, presented by Thomas Spinka from Lawrence Livermore National Laboratory. This talk will feature one of the exciting, high technology, CRADA projects on which EOT has been working over the last year. Mr. Spinka will be presenting at Photonics West on February 6th at 5:20 pm.

For more information on this presentation, click here.

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