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Upcoming Trade Shows

Come visit EOT at CLEO:2018

Every year, EOT exhibits at several laser industry trade shows. We will again be attending CLEO:2018 in San Jose, CA, May 15-17, and invite you to Booth 1721 to chat with us about new and existing product lines and specific applications.

For more information on our upcoming trade shows, click here. We look forward to meeting with you!

New Product Releases

- Pavos Ultra Series

EOT is pleased to introduce our new Pavos Ultra Series Faraday Rotators and Isolators. With up to 10x less thermal lens focal shift than TGG-based isolators, up to 400 W power handling, and significantly lower B integral, the Pavos Ultra is your choice for high power, ultrafast lasers.
• **100 W Fiber Laser Isolator**

EOT is introducing its 100 W Fiber Laser Isolators. Our 100 W isolators are designed to protect pulsed fiber lasers from back reflections created during marking and engraving applications. Its monolithic design provides excellent beam pointing stability and makes it well-suited for harsh environments. It also includes an integrated beam expanding telescope with the option of a 3 mm, 7.5 mm, or 10 mm diameter output beam, ideal for most marking applications. The 100 W Fiber Laser Isolators maintain excellent beam quality and exhibit a high laser damage threshold.

• **Tornos Series Compact Optical Isolators**

Featuring a smaller, compact design and higher performance

EOT has released its *Tornos Series* Compact Optical Isolators which provide high transmission in the forward direction while strongly attenuating light traveling in the reverse direction. This effectively protects laser diodes from the deleterious effects of back reflections.

**Increased Transmission**

The *Tornos Series* Compact Optical Isolators can eliminate frequency instability in single frequency laser diodes, prevent mode-hopping in external cavity diode lasers, and eliminate parasitic oscillations due to ASE in amplified diode laser systems. Their high transmission allows the use of less expensive, low power laser diodes.
Compact Design
This line of isolators also features a much smaller, compact design that is unmatched in the industry which makes it suitable for OEM integration. Additionally, they are tunable over a wide spectral range allowing for optimal isolation and transmission at a specific wavelength within the spectral bandwidth of the isolator and include optically-contacted polarizing beamsplitter cubes to optimize transmission.

If you'd like to know more about any of the above new product releases, contact sales@eotech.com or click here.

Supplier Quality Update
Striving for Continuous Improvement
EOT’s Supplier Quality department has been evolving in order to continuously improve the quality level of our components. The implementation of a new Enterprise Resource Planning (ERP) system has given us many tools that allow us to continuously monitor supplier performance and quality. One example is in order for parts to be received, technicians must perform incoming quality inspections per the Control Plan before parts can be sent to the production line and assembled into a device. Variable and attribute gauging such as precision GO/NO-GO Rings are used to ensure parts conform to the print specifications. Data from these inspections is automatically collected for SPC analysis to monitor supplier capability.
On the optics front, we have been very pleased with the success of our proprietary camera inspection station for optics. This device was designed in-house and utilizes a 30x magnification camera with an LED lightbox to show real-time video of an optic surface on a 4K resolution screen. This allows us to screen optical surface quality with accuracy and repeatability. A duplicate station is also used by our suppliers to guarantee correlation between our inspections and theirs. Since these have been put into effect, we have noticed a drastic increase in the quality of our supplied optics while also increasing our suppliers' yields.
New for 2018 is a PerkinElmer Lambda 1050 Spectrophotometer with a URA and integrating sphere. This device will allow EOT to measure reflectivity and transmission on our optical coatings at an accuracy level down to 0.25 nm. This will be key in qualifying new optic suppliers as well as identifying any discrepancies we might encounter during production.
These are just a few recent developments within EOT Supplier Quality and we look forward to continuously raising the bar in order to provide world class products to our customers.