



## Global POWERPLAY in OPTICAL COATINGS and SOLUTIONS



### Upcoming Events

#### CIOE, Shenzhen, September 06 - 08, 2023

Visit us at CIOE Shenzhen, the 24th China International Optoelectronic Exposition!  
We look forward to welcoming you to our Materion Balzers Optics booth #5A03 to discover the unique solutions and the wide range of applications that optical components enable. We look forward to welcoming you as our guest. [Learn more](#)



[More Events](#)

### Upcoming presentation

Photonics Spectra Summit Series - Infrared Optics:

"The Evolution of Infrared Windows and Filters" by Richard Koba, Product Manager Westford, on September 20 2023  
@ [Digital Event](#)

Infrared windows and filters are used in packages for a variety of IR detectors, including thermopile, pyroelectric, microbolometer and narrow-bandgap semiconductor. Windows and filters are optimized to the wavelengths being transmitted, ranging from NIR, SWIR, MWIR to LWIR. The type of package selected will determine the requirements of the IR optic. The IR window or filter can be compatible with hermetic sealing by solder, metal welding or wafer bonding. Non-hermetic packages can use a simpler optic that simply needs to be compatible with an adhesive. Infrared filters can be discrete or mechanically assembled into an array of numerous filters. This presentation will review the evolution of IR windows and filters from TO-style packages and VisiLids, to wafer bonding and CupLids, to filter arrays.



[More Presentations](#)

## Review Laser World of Photonics Munich

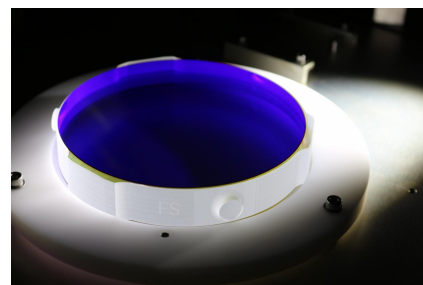
This year's Laser World of Photonics was a great success for the entire MBO team.

Exciting discussions with existing and new business partners on the booth and in the various themed halls, 3 well-attended presentations from our product managers in the show forums and endless networking opportunities made this face-to-face event a total winner.



## EUCLID Mission

On July 1, 2023, the European Space Agency's EUCLID telescope launched from Cape Canaveral using a SpaceX Falcon 9 rocket. This ambitious mission aimed to study dark matter and create a comprehensive map of the universe, utilizing time as the fourth dimension.



To analyze the telescope's captured images, two science instruments are employed: one operating in the Visible Spectral (VIS) region and the other in the Near-Infrared Spectral (NISP) region. Materion Balzers Optics, specifically Optics Balzers Jena GmbH, has developed and manufactured the optical coating for the primary optical components used in these instruments. [Learn more](#)