



## Global POWERPLAY in OPTICAL COATINGS and SOLUTIONS



### W3+ Fair, Jena

We would like to welcome you to the W3+ Fair in Jena, the leading cross-industry platform for high-tech innovations in optics, photonics, electronics and mechanics. Materion Balzers Optics invites you to visit our booth [B11b]. Here you'll have the opportunity to discover unique solutions and explore a variety of applications for our state-of-the-art optical components. [Learn more](#)



### Vision, Stuttgart

We have the pleasure of welcoming you to our Materion Balzers Optics booth # 10G37 at the VISION 2024 trade fair in Stuttgart. Come to our booth to discover the unique solutions and the wide variety of applications that optical components allow. We look forward to welcoming you as our guest. [Learn more](#)

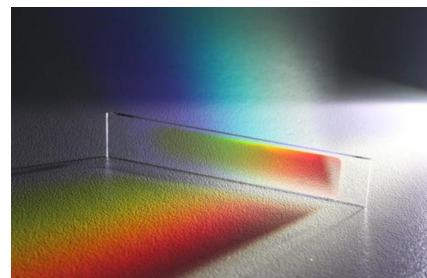


[More Events](#)

### New Application Note

#### Revolutionizing Spectroscopy with LVF

Today, spectroscopic methods have significantly advanced and are being employed in a vast range of applications. For instance, modern spectrometers allow studying the unique “fingerprint” of light emitted or absorbed by different materials, giving us insight into the basic composition of substances. Other examples include biomedical applications like pharmaceutical quality control or Raman spectroscopy as well as fields like food quality control and waste sorting. [Learn more](#)



### New Datasheet - Order Sorting Filters

#### High-order suppression in grating-based optical systems

Grating-based optical instruments play a crucial role in a vast range of optical systems. However, the use of diffraction gratings introduces higher diffraction orders that must be addressed. One method to suppress these orders is through a strategic placement of several longpass filters. These filters must have a highly transmitting passband, along with an efficient suppression in the blocking band. Using photolithography, multiple filters with a transition zone of less than 10  $\mu\text{m}$  can be patterned on a single substrate. Additionally, linear variable filters are available for integration into high-end spectrometers. ([Datasheet](#))

