



Project Production Facility Jena is finished

At the beginning of 2015, the Optics Balzers Jena GmbH was able to move into its new headquarters in the Technology Park Jena 21. At this Location we now offering an administrative and social building with 900 m² and a production hall with 1,500 m² of floor area for an excellent working environment for the team now grown to 50 employees. For the areas of optical coatings, photo lithography and quality testing new clean rooms were set up to meet the high demands on surface cleanliness of the produced optical components. The most important products in Jena are optical filters for bioanalysis, for satellite-based Earth observation and for industrial metrology. By investing in a new sputter machine, the production capacity for high-performance optical filter is further expanded in the coming months.

[More information.](#)

Near-Eye Display

We have further expanded our competence for Near-Eye Display Components. Our Thin Film PBS Cubes perform with outstanding Transmission and Reflectance to support your tight lumens budget. Full surface edge-to-edge coating with no chamfers reduces your part size and weight to the minimum possible. Non-functional area is reduced to zero, clear-aperture is maximized to a 100% and our cubes are completely chip free.



On the wave-guide and combiner side of the optics, we have achieved remarkable results with the new glue-less bonding technique. Whether you need only one or a multiple of cascaded semi-transparent mirrors for your combiner, we can assemble them without any adhesive. Thus, the risk of unwanted wide-angle reflection due to adhesive index mismatch becomes less of a concern.

[More information.](#)

Manager Business Development for Near-Eye and Projection Display

We are glad to introduce our new Manager Business Development PD:

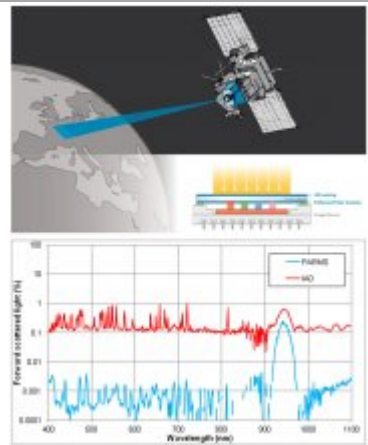
John Edward Freiermuth
johnedward.freiermuth@opticsbalzers.com



Feel free to contact us now and explore the entire spectrum of our Near-Eye Display Components. Our dedicated team is looking forward to your request.

Low scattering filter coatings

Optics Balzers has developed an advanced process for the manufacturing of low scattering filter coatings for the European Space Research and Technology Centre (ESTEC).



Typical bandpass filters, used in earth observation for the separation of spectral channels, require a complex thin-film design. With increasing coating complexity, scattered light increasingly affects the performance of the instrument as out-of-band light, scattered by the filter, can reach the detector.

A sophisticated coating design deposited by the high-energy process called plasma-assisted reactive magnetron sputtering (PARMS) resulted in a significantly reduced level of scattered light as well as an improved spectral performance of the produced filters. Compared to previously used filters made by ion-assisted deposition (IAD), the level of out-of-band scattering could be reduced by more than 2 orders of magnitude to about 0.001%.

[More information.](#)

Thanks for your Visit at SPIE BiOS / Photonics West 2015

Exhibition - Review



The BiOS and Photonics West 2015 show was held in San Francisco from February 7th through the 12th. This is our biggest show in North America and we exhibit in a 10ft x 20ft (~3.3m x 6.5m) booth showcasing a variety of products we make in Balzers and in Jena.

The BiOS show is much smaller than the Photonics West show, it uses only about 15% of the available floor space and is intended to target the Biophotonics portion of the attendees coming to the conference. Some of the main products shown by the 225 exhibitors are lasers which are used in the Medical field for anything from illumination sources in microscopes to scalpels used in operating rooms or for Lasik eye surgery. During BiOS we concentrate to show off our products such as Bandpass and Notch Filters, Raman Spectroscopy Filters and our offerings for the microscopy market such as BrightSlide™ and CorrSlide™.

There are 1250 companies who exhibit at Photonics West covering everything from raw material and substrate processing through thin film coatings and optical systems. We had a special display at our booth showing off our products we make for the gesture control market sector. We had a leap motion controller linked to a custom build animatronics system with a small monkey. As you moved your hand over the Leap Motion sensor the Monkey would follow your motions in rotation as well as up and down. See our short movie [here](#).

After a busy 3 days with ~20,000 attendees we finally got to take down the booth on Thursday evening. Overall the two shows were successful and a good opportunity to advance our Brand of Optics Balzers as well as to connect with past, current and future customers from all over the world.

[Thanks for your Visit!](#)

Our next Events...

4th International Conference on Bio-Sensing Technology, Lisbon

Optics Balzers has been the preferred partner for innovative optical solutions for more than 65 years. As a global leader, Optics Balzers focuses on high-tech markets including Biophotonics. The company possesses comprehensive know-how in optical thin-film coatings and components, glass and plastic processing, patterning and sealing technologies. In close cooperation with regional partners it offers one-stop-shop solutions for bio-sensing applications including biochips.

Visit our Booth at the Conference and get more information [here](#).

Laser World of Photonics, Munich

Visit us at the Laser World of Photonics trade fair in Munich from 22 to 25 June 2015 and meet with our expert for some specific advice. Please follow this [link](#) to request free admission.

More Events you can find in our [Agenda!](#)