

Media Release

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Diflex™ - Dielectric High Reflectivity Broadband Mirrors from Optics Balzers

Balzers/Jena, May 6, 2013 – Optics Balzers introduces at LASER World of Photonics 2013 a new standard for broadband high reflectivity mirrors. Diflex™ mirrors are characterized by extreme reflectivity, low scattering and a wide acceptance range for the angle of incidence. Therefore, the mirrors can be used for manifold applications, e.g. in laser optics and biophotonics.

An absolute reflectance > 99% and an average reflectance > 99.5% can be guaranteed for any polarization and over the full wavelength range between 320nm to 2200nm. The angle of incidence can vary between 0 and 45°.

Diflex™ dielectric mirror coatings are composed of metall-oxide coating materials ensuring high abrasion resistance and chemical stability. The Diflex™ mirrors withstand harsh environmental conditions and can be cleaned repeatedly.

Optics Balzers offers two standard versions: Diflex™ 1100 for the wavelength range 350 – 1100 nm, and Diflex™ 2000 for the wavelength range between 320 and 2000 nm. Customized solutions can be offered on request in addition to the standard products with flexibility for dimensions and spectral performance.

Optics Balzers will be present at LASER World of Photonics, Munich, Germany, from May 13 – 16, 2013.



Image caption: Dielectric High Reflectivity Broadband Mirrors Diflex™ from Optics Balzers

For over 65 years, Optics Balzers has been the preferred partner for providing innovative optical solutions. Alongside Optics Balzers Jena the technology company is amongst the world's leading suppliers of optical coatings and components. The Liechtenstein-based high-tech company focusses on selected markets such as Sensors & Imaging, Biophotonics, Laser, Space & Defence, Lighting & Projection, and Industrial Applications. The product spectrum ranges from optical coatings to glass processing, patterning and bonding technologies, and the manufacture of complete optical subassemblies, and is considered unique. Optics Balzers has a total payroll of about 170 employees, 30% of which hold university degrees.

Further information: www.opticsbalzers.com