

Optatec: CeramOptec shows special fibers for Applications in medicine, laboratory technology and industry

Long-term UV applications and surface treatment as focal points of the trade show appearance

CeramOptec presents high-performance fiber optics for laboratory, medical and industrial applications at Optatec. The focus is on solutions for UV treatments, spectroscopy and surface processing. In addition to single fibers, glass fiber bundles with different fabrications will also be exhibited.

Bonn/Livani, September 19, 2022 - CeramOptec will present its complete range of fiber optics for medical, laboratory and industrial applications at Optatec (October 18-20, Hall 8, Booth H111). The focus of this year's trade show appearance will be on special fibers for long-term UV applications as well as for laser-based surface processing and separation processes. In addition to single fibers, the trade show portfolio also includes glass fiber bundles with different fabrications.

As a solution for long-term UV applications in the deep UV range, the fiber optics specialist is introducing its solarization-resistant carbon coated Optran[®] UV NSS fibers, which have been specially developed for applications such as UV spectroscopy or the UV curing of dental fillings and adhesive bonds. The coating on the fibers provides stabilized defect passivation, preventing absorption of UV light in fused silica, which renders conventional fibers unusable after only a short period of use. The transmittance of UV NSS fibers is still about 85 percent of the original value even after several months of UV irradiation. For further applications in spectroscopy and sensor technology, the germanium-doped Optran[®] Ultra WFGE fibers, which are characterized by excellent transmission quality and durability, will also be on display at the booth. Another highlight of the trade show presentation will be the polygonal Optran[®] NCC fibers for laser-based industrial applications such as ablation, coating, cleaning or cutting. Their non-circular cross-section actively generates top-hat beam profiles, eliminating the need for costly homogenizers.

For more information on CeramOptec fiber optics, interested parties can visit www.ceramoptec.com.

About CeramOptec

CeramOptec[®] (Bonn) in cooperation with Ceram Optec SIA (Livani/Latvia) specializes in the production of multimode optical fibers made of quartz glass. The medium-sized company was founded in 1988 and is now a subsidiary of biolitec AG, one of the world's leading medical technology companies in the field of laser applications. With subsidiaries in China and Malaysia and distribution partners in France, Belgium, the Netherlands, India, Japan, Korea and the USA, CeramOptec has a strong presence not only in Europe but also in the Asian and North American markets. The product range comprises fibers, fiber bundles, assemblies and cables for numerous applications, including industrial and medical laser



applications, sensor systems in aerospace and spectroscopic applications in astronomy and the chemical industry. The biolitec group employs a total of 285 people.