



Sachsenkabel: Specialty Optical Fibers for Industry and Natural Sciences

Fiber optics specialist expands portfolio with fiber optics solutions for laser applications, spectroscopy and sensors

LWL-Sachsenkabel GmbH is expanding its activities in the specialty optical fibers section with fiber optic solutions for industry, medicine and scientific research. The customer-specific specialized products cover the growing fiber optic demand in laser and laboratory technology as well as in medicine, spectroscopy and sensor technology and are available in variable quantities from small to large series.

Gornsdorf/Erzgebirge Mountains, 11/12/2020 – LWL-Sachsenkabel GmbH, one of the leading German manufacturers of fiber optic cabling systems, is expanding its portfolio with specialty optical fibers for industry, medicine and scientific research. In addition to standardized as well as customer-specific fiber optic solutions for data centers and telecommunication as well as building and event technology, the cabling specialist from the Ore Mountains in East Germany also offers individual fiber optic solutions for laser applications, spectroscopy and sensor technology. The range of solutions includes, among other things, ready-to-use singlemode and multimode fiber assemblies for applications from UV to near infrared, which can also be manufactured for use in vacuum if required. In addition, individual solutions for fibers with a core diameter of up to 1500 µm are available in the field of multimode fiber assemblies. All variants can be assembled with suitable, market-standard connectors or according to individual customer requirements. In addition, Sachsenkabel offers Bare Fibers with polished or cleaved fiber ends – thus making available fiber ends of high optical quality for all applications without connectors. All specialty optical fibers are developed, realized and manufactured individually for the customer and are finely calibrated to the respective requirements. Variable quantities are possible, from the smallest quantity to large series. Production takes place entirely in Germany ensuring high delivery reliability.

With the expansion of its portfolio, LWL-Sachsenkabel GmbH responds to the increasing demand for fiber optic solutions in industry and natural sciences. Laser material processing and laser medicine, spectroscopic applications in the laboratory, but also many areas of sensor technology are currently experiencing exponential growth and are rapidly increasing the need for special fiber optic products. As an established specialist in fiber optics with around 30 years of experience, Sachsenkabel has got the know-how and entrepreneurial structures to meet this demand at large. The company already has a number of successfully implemented customer projects in its specialty optical fibers business segment. The spectrum ranges from the development of the fiber optic prototype to fixed framework contracts in series production.



LWL-Sachsenkabel GmbH will present its product and solution portfolio in the field of specialty optical fibers for the first time at the world's leading trade fair Laser World of Photonics in Munich in 2021. Further information can already be found on:

www.sachsenkabel.de/en/business-units-and-solutions/specialty-optical-fibers/

About Sachsenkabel

LWL-Sachsenkabel GmbH, headquartered in Gornsdorf/Erzgebirge and founded in 1991, is a company of the Gustav Zech Foundation and is one of the leading German manufacturers of fiber optic cabling systems. The focus of the business activities are fiber optic solutions for telecommunications, broadband development, data center, industry and broadcast as well as specialty optical fibers for demanding laser and spectroscopic applications. Sachsenkabel stands for high-quality and technologically pioneering solutions and has developed into one of the largest specialists for fiber optic assembly in Germany. The high capacity of connector assemblies per day enables flexible and fast realization of customer-specific quantities. Firmly integrated into the economic region of Chemnitz, the company today employs more than 100 highly qualified employees and supplies customers at home and abroad.

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