

fiberware

advanced fiber tools

**CUSTOMIZED
OPTICAL FIBER
SOLUTIONS**
FOR INDUSTRIAL
AND MEDICAL
APPLICATIONS

DEVELOPMENT OF THE CORPORATE GROUP

A SUCCESS STORY IN THE LIGHT OF INNOVATION

1990

fiberware

The roots of our group go back to 1990, when physicist and fiber optics expert **Dr. Georg Kuka** founded **fiberware** in Berlin. His vision: to turn light technology at the cutting edge of science into market-ready applications.

1996

Headquarters Mittweida

A significant step followed in 1996: the company relocated its headquarters to **Mittweida** – a renowned hub for research and development in **laser and optical technologies**. This move laid the foundation for a close integration of science, engineering and industrial application.

2003

advanced fiber tools

In 2003, we expanded our portfolio by founding **advanced fiber tools**, with a clear focus on the **production of certified medical assemblies**, including medical laser probes. As a result, we successfully entered the field of medical technology and established ourselves as a reliable partner for customized solutions.

2022

Harnessing Light Holding

The next milestone came in 2022: the two companies were integrated into the newly established **Harnessing Light Holding**.

This step united years of collaboration under one strategic umbrella – with the goal of sustainably strengthening the group's shared expertise, innovative power and synergies.





CUSTOMIZED SOLUTIONS

With our in-house research and development team, we design and manufacture innovative products across the entire value chain – from optical fiber production to cable assembly and application-specific integration.

Drawing facility

Extrusion

Assembling

Industrial &
scientific
applications

Medical
applications



fiberware

Precision in optical fibers

fiberware is one of the world's leading manufacturers of optical specialty fibers and fiber optic technologies. For more than three decades, the name fiberware has stood for highest precision, outstanding quality and customized solutions – from individual fibers to complete assemblies.

Our extensive manufacturing depth allows us to respond flexibly to individual customer requirements and to deliver tailored solutions for a wide range of industries – including high-power laser applications, the semiconductor industry, laser and optics systems, sensor technology, spectroscopy, aerospace, automation technology and many more.

Our products meet the highest quality standards and are certified according to **EN ISO 13485**. Over 50% of our production is exported worldwide and is highly regarded in international markets.

**fiberware –
Innovation meets experience.**



advanced fiber tools

Innovative fiber optic solutions for medical applications

advanced fiber tools is your reliable partner for high-quality fiber optic products, specially developed for medical and scientific applications. Driven by the highest quality standards and a spirit of innovation, we manufacture customized solutions precisely tailored to the needs of our customers.

We operate a process-oriented quality management system in accordance with **DIN EN ISO 13485** and a quality assurance system. For us, these standards are not just requirements – we live them in our day-to-day work, consistently implementing them throughout all areas of our operations.

Our strength lies in the combination of **technological expertise, years of experience**, and a strong focus on **individual customer needs**. Our team of highly qualified specialists develops and manufactures, among other things, **medical laser probes** for minimally invasive surgery, diagnostics, and therapy – with maximum precision and functionality.

**advanced fiber tools –
Customized medical solutions.**

"I work with the greatest care – because one day, a family member might be treated with this very probe. To me, quality means responsibility and trust."





FIBER OPTICS EXPERTISE STARTS HERE. GET IN TOUCH.

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