

fiberware

advanced fiber<sup>tools</sup>



**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. G. 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



## SPECIALTY FIBERS

Multimode Fibers  
Singlemode Fibers  
Microstructured Fibers  
Graded Index Fibers  
AS GE  
HCS Fibers  
PCS Fibers



## ASSEMBLING



## SPECIALTY CABLES

Simplex Cable  
Duplex Cable  
Breakout Cable  
Multifiber with loose tubing coretypes



## MEDICAL FIBERS

Medical laser probes for various 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**. 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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