

**FOS**  
Inon optics



**Φως Ινών**  
*greek (fos inón)*

Light Fiber



**FOS Inon Optics** is specialized in the production of optical fiber bundles and cables for wide industrial and scientific applications.



# *Who we are*

- **know-how about**
  - VIS application
  - UV and UV-C wavelengths
  - NIR/IR applications
  - Custom made assemblies
- **Products**
  - Fiber cables
  - Sorted bundles
  - Arrays
  - harsh environments
  - Laboratory condition assemblies
  - Metal ferrules
  - Design



# *we work with*

- **Sources**

- Borosilica
- PMMA aka POF
- Pure silica/silica
- Solarizate fibers

- **Markets**

- UV-Curing
- Spectroscopy
- Microscopy
- Fluorescence applications
- Deep space applications
- High temperature
- Welding and curing
- Defence and Industry



# *fiber optics systems beyond*

*„We are founded in Germany in 2020, as a high-end specialist for fiber optic assemblies.“*

*- Wolfgang Kämpf, CEO*

## Fiber Optics Specialist

**Custom-made fiber assemblies. Fiber cable to fiber bundles for scientific application and industrial use.**

FOS Inon Optics is a modern, owner-managed, medium-sized company that has been producing sophisticated fiber-optic cables designed according to customer requirements for areas such as e.g. energy power plants, fiber optic flame detection, for spectroscopy and microscopy, quality control applications, UV curing, and for other lighting and Laser applications, based in Niederschelden-Siegen, Germany.

The family company successfully relies on niche products in the laser and analytics industry. The entrepreneurial success is based on investments in the most modern systems, experienced and highly qualified employees with excellent specialist knowledge, and the quality standard "Made in Germany". The young company history proves that traditional values and developments with modern technologies are the guarantors for quality products.



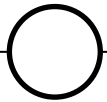
# *set up*

- Two offices, in the region of Siegen
  - Main office, DE-Siegen
  - Laboratories and Warehouse, DE-Siegen
- 9 Employees

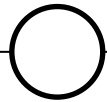
2 Technicians  
1 Administration  
2 Sales and Back-Offices  
4 Production



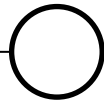
FOS Inon specialized  
in design and producing  
a wide range of custom  
Products.



Fiber bundles



cables



custom setups





- PMMA

we support different bundle and fiber diameters and  
offer customized ferrule designs



- Borosilica for  
VIS and illumination applications:  
we support different bundle and fiber diameters and offer  
customized ferrule designs



- Pure silica/silica assemblies
  - Bifurcated bundle  
for example: with different core sizes, lengths, and protection tubes
  - Core size 90 $\mu$ m-2000 $\mu$ m
    - (wavelength: 190nm -1200nm, 400nm – 2200nm)
  - Available Jackets:
    - Polyimide, Arcylate, Tefzel, Nylon



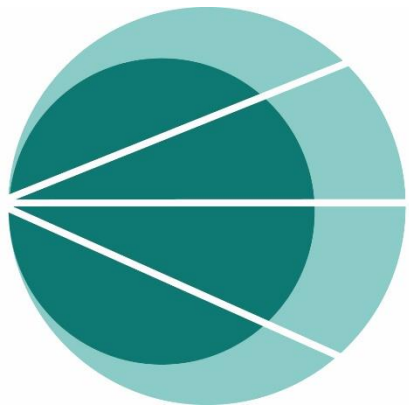
# *Quality control and testing*



FOS Inon has its own independent production Quality Control, which will make sure that the requirements stated in technical drawings have been met accordingly.

This is underlined by our ISO 9001: 2015 certification within a very short time, less than 2 years after the company was founded, we have proven that our quality standards are not just an idea.





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