



LASER
COMPONENTS®

FIBER ASSEMBLIES FOR YOUR NEEDS

A World of Options

beyond borders

EXPERTISE YOU CAN RELY ON

Excellence by Tradition

For over 25 years, LASER COMPONENTS has been producing high-quality fiber optic cable assemblies, and we are committed to providing solutions that exceed our customers' expectations.

High Precision - High Power

We achieve sub-5 micron fiber alignment and test functionality up to 130W for highest quality standards.



»OUR DEVELOPMENT ENGINEERS AND PRODUCTION TEAM WORK HAND IN HAND TO DELIVER INNOVATIVE SOLUTIONS FOR EVEN THE MOST COMPLEX TASKS.«

DR. STEFAN HANF / *Director of Fiber Optics Production*



INDUSTRIAL

+ High Power, Low Risk

Benefits:

- / High-power, free-standing fiber tips with SMA or D80 connectors
- / ModeStrip technology for using laser modules with imperfect beam profiles
- / Fiber end cap solutions for highest optical beam quality and power

Key Features:

- / Special polishing process
- / Eccentricity values up to $< 5\mu\text{m}$ (100% measured)
- / customer logo on assembly (optional)

Applications:

- / cw laser diodes up to 400W
- / Laser marking, cutting, welding
- / 3D laser printing



SENSING

+ Versatile and Durable

Benefits:

- / Fiber bundles in various configurations and applications
- / Integration of Fiber Bragg Gratings
- / Specialty fibers for harsh environments

Key Features:

- / Customer specific solutions
- / Wide range of optical fibers from Fibercore and Polymicro

Applications:

- / Temperature sensing
- / Pressure sensing
- / Strength sensing



MEDICAL

+ Easy Validation and Verification

Benefits:

- / Sterilizable bare fiber assemblies
- / Sterilizable fiber stripper for reusable fiber assemblies
- / Fiber tips to shape light

Key Features:

- / Class 7 and 8 clean rooms
- / ISO13485 certified
- / Biocompatible fiber materials (fused silica and POF)

Applications:

- / Ophthalmology
- / Metastases removal
- / Stone treatment
- / Varicose sclerotherapy



COMMUNICATIONS

+ Flexible Solutions

Benefits:

- / Standard telecom assemblies
- / 200 μm step index assemblies for data transmission
- / Plastic Optical Fiber (POF) assemblies

Key Features:

- / Short delivery times
- / Wide range of optical connectors and fiber types

Applications:

- / Data centers
- / SERCOS rings
- / Data cables for wind turbines



For more information on fiber optic assemblies, please contact:

/ Germany and Other Countries

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Explore our fiber optics at
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