

Intelligent Fiber Optic Sensor Company



Article Overview

Leading manufacturers of intelligent fiber optic sensors include FISO, FiSens, Luna Innovations, and Intelligent Fiber Optic Systems (IFOS), among others.

Key Manufacturers and Their Specialties

FISO is a prominent developer and manufacturer of fiber optic sensors and signal conditioners, serving medical, energy, process control, and R&D applications. They provide expertise in selecting sensors for complex projects and operate globally, including Asia and Europe (FISO) . FiSens GmbH specializes in fiber Bragg grating (FBG) sensor arrays and fiber-integrated spectrometers. Their sensors are compact, precise, and reliable, suitable for structural monitoring, smart devices, and medical instruments. FiSens emphasizes high multiplexing capability and robustness in harsh environments (FiSens) . Luna Innovations offers fiber optic sensing and measurement systems for structural health monitoring, aerospace, energy, and industrial applications. Their portfolio includes optical interrogators, long-gage strain sensors, accelerometers, and distributed fiber optic sensing solutions, enhanced by their acquisition of Silixa for advanced distributed sensing (Luna Innovations) . Intelligent Fiber Optic Systems Corp. (IFOS), based in Fremont, CA, develops intelligent fiber optic sensors for industrial and research applications, focusing on high-performance sensing solutions (Photonics Buyers' Guide) .

Additional Notable Manufacturers

Other recognized companies in the field include:...

Article Content

Apr 06, 2026

Opterro | End-to-End Fiber-Optic Sensing & Analytics

Opterro offers unmatched fiber-optic sensing solutions with leading-edge system performance and decision-aid analytics. Our end-to-end solutions are deployed across multiple industries for real-time

Dec 19, 2025

Distributed Fiber Optic Sensor Companies

Distributed Fiber Optic Sensor industry insights on factors that are driving the growth of the Distributed Fiber Optic Sensor Market and key players along with their go to market strategies and new revenue

Jan 09, 2026

Distributed Fiber Optic Sensing for Structural Health Monitoring

Sensuron's groundbreaking Distributed Fiber Optic Sensing (DFOS) systems empower engineers with rugged and easy-to-use tools for structural testing, design optimization, structural health monitoring,

May 06, 2026

Intelligent Fiber Optic Systems Company Profile

Intelligent Fiber Optic Systems has 5 employees at their 1 location and \$12.26 m in total funding,. See insights on Intelligent Fiber Optic Systems including office locations, competitors, revenue, financials,

Aug 01, 2025

Top Companies in Distributed Fiber Optic Sensors 2034

What are the top companies in distributed fiber optic sensors market? Key players include Tekni-Plex, DuPont, Amcor, Berry Global, and UFP Technologies, each contributing through material innovation

Jul 25, 2025

IFOS Corporation

Mr. Fatemi holds an MS in Materials Science from Stanford University. Company Profile Intelligent Fiber Optic Systems Corporation (IFOS) of San Jose, California, develops, manufactures

Jul 24, 2026

Digitalized Optical Sensor Network for Intelligent Facility Monitoring

Due to their inherent advantages, optical fiber sensors (OFSs) can substantially contribute to the monitoring and performance enhancement of energy infrastructure. However,

Apr 14, 2026

What is Fiber Optic Sensing?

What is Fiber Optic Sensing? Fiber optic sensing uses the physical properties of light as it travels along a fiber to detect changes in temperature, strain, vibration (acoustics) and other parameters. Fiber

Oct 02, 2025

Turning Fiber into a Sensing System: The Magic of

The ongoing perception revolution based on fiber sensing technology is expanding at an accelerated pace: Wuhan University of Technology has

Apr 07, 2026

Top 10 Distributed Fiber Optic Sensor Manufacturers in

This guide provides a comprehensive overview of the leading distributed fiber optic sensor manufacturers. While many companies offer

Aug 18, 2025

Development of fiber optic sensor technology

Development of fiber optic sensor technology In industrial manufacturing, especially in automotive, microsystems and medical technology, there is an increasing trend towards filigree and complex

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Distributed Fiber Optic Sensing Solutions | AP Sensing

AP Sensing specializes in fiber optic sensing technology, with "Advanced Photonics" reflecting our expertise in photonics, the science of generating, controlling, and detecting photons (light particles).

Dec 26, 2025

4 Top Optical Fiber Sensor Startups Impacting Engineering

We analyzed 92 Optical Fiber Sensor Startups. Com & Sens, Kraken Robotics, IRnova, and Spectral Engines develop 4 top solutions to watch out for.

Jun 12, 2026

Intelligent Optical Systems Inc.

Developing Cutting- Edge Products and Technologies Intelligent Optical systems helps shape the future of sensor, test, and measurement solutions.

Dec 11, 2025

Recent Advances in Machine Learning for Fiber Optic Sensor

Fiber optic sensor technologies hold great promise to form the backbone for next-generation intelligent sensing platforms that offer long-distance, high-accuracy, distributed

Oct 06, 2025

Intelligent Fiber Optic Systems Corporation (IFOS)

Intelligent Fiber Optics Systems Corporation, IFOS, of Santa Clara, California, develops and manufactures advanced optical sensing systems for the monitoring and control of high value assets

Nov 21, 2025

Luna Innovations | Fiber Optic Sensing and Measurement Systems

At Luna Innovations we are leveraging our novel fiber-optic sensing technology to unlock new possibilities in geotechnical and civil infrastructure monitoring bringing an innovation to the built

Nov 06, 2025

Intelligent Fiber Optic Systems 2026 Company Profile: Valuation ...

Intelligent Fiber Optic Systems General Information Description Developer of photonic sensing and signal processing systems intended to measure physical parameters in challenging

Sep 11, 2025

Banner Engineering | Smarter Automation. Better Solutions.

This article explains what fiber optics are and how they work in industrial applications. Learn important terms and the basics of fiber optic systems.

Mar 27, 2026

Top Fiber optic sensing companies | VentureRadar

AiMiLight Sensors and Intelligent Systems Inc. is a vertically integrated fiber sensor company specializing in fiber optic sensing solutions. The company offers advanced technologies such as

Jan 22, 2026

Intelligent Fiber Optic Systems (IFOS), Inc.

Intelligent Fiber Optic Systems (IFOS), Inc. IFOS designs and manufactures innovative optical sensing systems, photonic modules, fiber optic sensors, and environment monitoring subsystems. In the

Aug 21, 2025

FIBERCOP AND NOKIA LAUNCH COLLABORATION TO

Memorandum of Understanding signed on fibre sensing to test the use of optical fibre as a distributed sensor, capable of detecting climate events, anomalies and potential faults Analysis of the

Aug 22, 2025

Distributed Fiber Optic Sensing | OptaSense

OptaSense is a global leader in distributed fiber optic sensing (DFOS), providing advanced monitoring solutions that transform standard fiber optic cables into intelligent sensing networks.

Jul 25, 2025

Intelligent Fiber Optic Systems

Intelligent Fiber Optic Systems - Photonic sensing and computing solutions for diverse industries. Raised funding over 22 rounds from 2 investors.

Jul 29, 2025

Cutting-Edge Fiberoptic Sensing | FiSens GmbH

FiSens develops, manufactures, and markets accurate fiberoptic sensor solutions based on fiber Bragg grating (FBG) sensor arrays and fiber-integrated

Jan 12, 2026

Fiber Optic Sensors | Suppliers

A fiber optic sensor is a device that uses optical fibers to detect and measure physical, chemical, biological, or environmental parameters. Unlike traditional electrical sensors, fiber optic sensors

Contact Us

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