

Global Fiber Bragg Grating (FBG) Market Study 2015-2025, by Segment (Fiber Bragg Grating Filter, Fiber Bragg Grating Sensors, Others), by Market (Optical Communication, Aerospace Applications, Fiber Bragg Grating Sensors, Energy industry), by Company (Micron Optics, Proximion AB, HBM FiberSensing,)

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Abstracts

Snapshot

A fiber Bragg grating (FBG) is a type of distributed Bragg reflector constructed in a short segment of optical fiber that reflects particular wavelengths of light and transmits all others. This is achieved by adding a periodic variation to the refractive index of the fiber core, which generates a wavelength specific dielectric mirror. An FBG is an invisible reflector inside the core of the fiber that is set to a specific wavelength of light. When the fiber where the FBG is located is exposed to strain or temperature, the FBG's "center wavelength" shifts to a higher or lower wavelength. The direction and magnitude of the shift is proportional to the change in strain or temperature.

The global Fiber Bragg Grating (FBG) market will reach xxx Million USD in 2018 and with a CAGR of xx% between 2019-2025.

Product Type Coverage (Market Size & Forecast, Major Company of Product Type etc.):

Fiber Bragg Grating Filter

Fiber Bragg Grating Sensors

Others

Demand Coverage (Market Size & Forecast, Consumer Distribution):

Optical Communication

Aerospace Applications

Energy industry

Transportation

Geo-Technical & Civil Engineering

Others

Company Coverage (Sales data, Main Products & Services etc.):

Micron Optics

Proximion AB

HBM FiberSensing

ITF Technologies Inc

FBGS Technologies GmbH

Technica

iXFiber

Smart Fibres Limited

fos4x

Advanced Optics Solutions GmbH

Wuhan Ligong Guangke

TeraXion

FBG Korea

GEOPTEX bvba (FOS&S)

Alnair Labs Corporation

Major Region Market

North America

Europe

Asia-Pacific

South America

Middle East & Africa

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