

# Global and Regional Fiber Bragg Grating (FBG) Market Research Report 2017

<https://marketpublishers.com/r/G376855E8C4EN.html>

Date: November 2017

Pages: 156

Price: US\$ 3,500.00 (Single User License)

ID: G376855E8C4EN

## Abstracts

### Summary

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.

Market Segment as follows:

### By Region

Asia-Pacific

North America

Europe

South America

Middle East & Africa

## By Type

Fiber Bragg Grating Filter

Fiber Bragg Grating Sensors

Other

## By Application

Optical Communication

Aerospace Applications

Energy industry

Transportation

Geo-Technical & Civil Engineering

Other

## By Company

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

The main contents of the report including:

Section 1: Product definition, type and application, global and regional market overview;

Section 2: Global and regional Market competition by company;

Section 3: Global and regional sales revenue, volume and price by type;

Section 4: Global and regional sales revenue, volume and price by application;

Section 5: Regional export and import;

Section 6: Company information, business overview, sales data and product specifications;

Section 7: Industry chain and raw materials;

Section 8: SWOT and Porter's Five Forces;

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