

# Global Fiber Bragg Grating (FBG) Market Survey and Trend Research 2018

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## 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.

This report describes the development of the industry by upstream & downstream, industry overall and development, key companies, as well as type segment & market application and so on, and makes a scientific prediction for the development industry prospects on the basis of analysis, finally, analyzes opportunities for investment in the industry at the end of the report.

### Industry Chain

Raw Materials

Cost

Technology

Consumer Preference

## Industry Overall:

History

Development & Trend

Market Competition

Trade Overview

Policy

## Region (North America, Europe, Asia-Pacific, South America, Middle East, Africa):

Regional Market

Production Development

Sales

Regional Trade

Regional Forecast

Company (Micron Optics, Proximion AB, HBM FiberSensing, ITF Technologies Inc, Technica, Technica, iXFiber, Smart Fibres Limited, fos4x, Advanced Optics Solutions GmbH, Wuhan Ligong Guangke, TeraXion, FBG Korea, GEOPTEX bvba (FOS&S), Alnair Labs Corporation etc.):

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Product & Service

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