

Global and China Fiber Bragg Grating (FBG) Market Research by Company, Type & Application 2013-2025

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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.

Market Segment as follows:

By Type

Fiber Bragg Grating Filter

Fiber Bragg Grating Sensors

Others

By Application

Optical Communication

Aerospace Applications

Energy industry

Transportation

Geo-Technical & Civil Engineering

Others

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 China market overview;

Section 2:

Global and China Market competition by company;

Section 3:

Global and China sales revenue, volume and price by type;

Section 4:

Global and China sales revenue, volume and price by application;

Section 5:

China export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

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