

Global Volume Bragg Grating Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GF4F77DA10B1EN.html>

Date: September 2025

Pages: 92

Price: US\$ 3,480.00 (Single User License)

ID: GF4F77DA10B1EN

Abstracts

According to our (Global Info Research) latest study, the global Volume Bragg Grating market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

Volume Bragg gratings (also called volume holographic gratings) are Bragg gratings which are written inside some transparent material, e.g. in the form of a cube or a parallelepiped – in contrast to diffraction gratings made on the surface of an optical element or fiber Bragg gratings, where the grating is written into the core of an optical fiber. Typically, such gratings are written into some photosensitive glass, and sometimes into crystal materials. They are also called bulk Bragg gratings or volume holographic gratings.

This report is a detailed and comprehensive analysis for global Volume Bragg Grating market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Volume Bragg Grating market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Volume Bragg Grating market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Volume Bragg Grating market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Volume Bragg Grating market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Volume Bragg Grating
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Volume Bragg Grating market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Teraxion, Light Logics Holography and Optics, RPMC Lasers, Optigrate, Optoprim Germany, ONDAX, Ushio, Thorlabs, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Volume Bragg Grating market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

RBG

TBG

CBG

BNF

Market segment by Application

Fiber Communications

Experimental Research

Precision Equipment

Major players covered

Teraxion

Light Logics Holography and Optics

RPMC Lasers

Optigrate

Optoprim Germany

ONDAX

Ushio

Thorlabs

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Volume Bragg Grating product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Volume Bragg Grating, with price, sales quantity, revenue, and global market share of Volume Bragg Grating from 2020 to 2025.

Chapter 3, the Volume Bragg Grating competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Volume Bragg Grating breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Volume Bragg Grating market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Volume Bragg Grating.

Chapter 14 and 15, to describe Volume Bragg Grating sales channel, distributors, customers, research findings and conclusion.

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