

Global Fiber Optics Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Fiber Optics market size was valued at US\$ 11900 million in 2024 and is forecast to a readjusted size of USD 19780 million by 2031 with a CAGR of 7.6% during review period.

Fiber optics is the technology used to transmit information as pulses of light through strands of fiber made of glass or plastic over long distances.

Optical fibers are about the diameter of a strand of human hair and when bundled into a fiber-optic cable, they're capable of transmitting more data over longer distances and faster than other mediums.

Fiber optics has been used in the medical industry for years. The physical characteristics of fiber make it a natural choice for many different applications. Commonly used for illumination, flexible image bundles, light conductors, flexible light guides, laser delivery systems, and equipment interconnects, fiber optics provide a very compact, flexible conduit for light or data delivery in equipment, surgical, and instrumentation applications.

Traditional medical fiber optic applications include light therapy, x-ray imaging, ophthalmic lasers, lab and clinical diagnostics, dental hand pieces, surgical and diagnostic instrumentation, endoscopy, surgical microscopy, and a wide range of equipment and instrument illumination.

Fiber Optics are mainly classified into the following types: Single-Mode Optical Fiber and Multi-Mode Optical Fiber. Single-Mode Optical Fiber is the most widely used type which took up about 98 % of the total in 2019.

Fiber Optics have wide range of applications, such as IT and Telecoms, Medical, Robotics, etc. And IT and Telecoms was the most widely used area which took up about 83% of the global total in 2019.

APAC is the largest region of Fiber Optics in the world in the past few years and it will keep increasing in the next few years. APAC market took up about 52% the global market in 2019, while Americas and Europe were about 26%, 16%.

Prysmian, Hentong, Furukawa, Corning, YOFC, Futong, Sumitomo, Tongding Optic-Electronic, CommScope, etc. are the key suppliers in the global Fiber Optics market. Top 5 took up more than 40% of the global market in 2019.

This report is a detailed and comprehensive analysis for global Fiber Optics 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 Fiber Optics market size and forecasts, in consumption value (\$ Million), sales quantity (M Fiber-Km), and average selling prices (USD/Fiber-Km), 2020-2031

Global Fiber Optics market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (M Fiber-Km), and average selling prices (USD/Fiber-Km), 2020-2031

Global Fiber Optics market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (M Fiber-Km), and average selling prices (USD/Fiber-Km), 2020-2031

Global Fiber Optics market shares of main players, shipments in revenue (\$ Million), sales quantity (M Fiber-Km), and ASP (USD/Fiber-Km), 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 Fiber Optics

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 Fiber Optics 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 Prysmian, Hentong, Furukawa, Corning, YOFC, Futong, Sumitomo, Tongding Optic-Electronic, CommScope, STL, etc.

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

Market Segmentation

Fiber Optics 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

Multi-Mode Fiber Optics

Single-Mode Fiber Optics

Market segment by Application

IT and Telecoms

Medical

Robotics

Others

Major players covered

Prysmian

Hentong

Furukawa

Corning

YOFC

Futong

Sumitomo

Tongding Optic-Electronic

CommScope

STL

FiberHome

Jiangsu Etern

ZTT

Fasten

Nexans

LS Cable and System

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 Fiber Optics product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Fiber Optics 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 Fiber Optics 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 Fiber Optics.

Chapter 14 and 15, to describe Fiber Optics sales channel, distributors, customers, research findings and conclusion.

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