

# Fiber Optic Preform Market Anticipated to Reach \$12.4 Billion by 2032, Expand at 9.4% Annually

*Fiber Optic Preform Market was valued at \$5.1 billion in 2022, and is projected to reach \$12.4 billion by 2032, growing at a CAGR of 9.4% from 2023 to 2032.*

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/EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, "[Fiber Optic Preform Market](#) by Process (OVD, VAD, PCVD, MCVD), by Product Type (Single-Mode Fiber Optic, Multi-Mode Fiber Optic), by

End Use (Oil and Gas, Military, Telecommunication, Railway): Global Opportunity Analysis and Industry Forecast, 2023-2032." The fiber optic preform market was valued at \$5.1 billion in 2022, and is estimated to reach \$12.4 billion by 2032, growing at a CAGR of 9.4% from 2023 to 2032.

The report offers a detailed analysis of the top winning strategies, evolving market trends,

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The fiber optic preform market analysis is expected to grow significantly in the coming years, driven by the rise in demand for high bandwidth communication.”

*Roshan Deshmukh*

market size and estimations, value chain, key investment pockets, drivers & opportunities, competitive landscape and regional landscape. The report is a useful source of information for new entrants, shareholders, frontrunners and shareholders in introducing necessary strategies for the future and taking essential steps to significantly strengthen and heighten their position in the market.

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The fiber optic preform is cylindrical optical glasses that is used in fiber drawing tower from which fiber optics are produced. During the drawing process, the optic fibers are drawn via preforms with the usage of the water slurry framework, coordinated fiber process, and coating



materials such as silicone, polyamide, and acrylate. They are critical for military communication, telecommunication, railway, and oil and gas industry. Fiber Optic includes a wide range of capabilities such as high data transmission capacity, low attenuation, low latency, high-speed internet, wide transmission range, low energy loss, and more.

The increased investment in telecom infrastructure, combined with continuous advancements in fiber optics technology, is expected to drive the global optical fiber preform market over the forecast period. Furthermore, as fiber-rich network infrastructure evolves, the demand for fiber optic cables is expected to increase, which is anticipated to significantly fuel the global optical fiber preform market growth. Furthermore, the rise in demand for high bandwidth communication is one of the key factors expected to propel the global fiber optic preform market growth during this forecast period. Furthermore, increased data traffic means increased demand for optical fiber networks, which drives the growth of the fiber optic preform market. The growing interconnectivity among end-user industries such as IT & telecommunications, retail, and business enterprises boosts the market growth in terms of rise in digital infrastructure. Such digitization requires high-performance fiber optics which are produced with the help of preforms.

The fiber Optic preform market size is segmented based on By Process, product type, end user, and region. By process, the market is divided into OVD, VAD, PCVD, and MCVD. By product type the market is bifurcated into Single-Mode Fiber Optic, and Multi-Mode Fiber Optic. By end user fiber optic preform market share is segmented into Oil and Gas, Military, Telecommunication, and Railway. By region, it is analyzed across North America (the U.S., Canada, and Mexico), Europe (UK, Germany, France, Italy, and the rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and the rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa).

Based on process, the MCVD segment held the highest market share in 2022, accounting for more than one-third of the global fiber optics preform market revenue and is estimated to maintain its leadership status throughout the forecast period, owing to its ability to produce high-quality optical fiber preforms with precision and efficiency. MCVD technology allows for the precise control of chemical reactions during the deposition process, resulting in the production of optical fibers with low signal loss, exceptional purity, and tailored refractive indices, which makes them well-suited for high-performance telecommunications and data transmission applications.

Based on product type, the single-mode fiber optic segment held the highest market share in 2022, accounting for more than three-fifths of the global fiber optics preform market revenue and is estimated to maintain its leadership status throughout the forecast period. In addition, the single-mode fiber optic segment is projected to attain the highest CAGR of 9.78% from 2023 to 2032 due to rapid growth in 5G networks, cloud computing, and high-definition video streaming. These trends and growth factors present significant opportunities for fiber optics preform providers in the single-mode fiber optic segment.

Based on end use, the Telecommunication segment held the highest market share in 2022, accounting for more than two-fifths of the global fiber optics preform market revenue and is estimated to maintain its leadership status throughout the forecast period, owing to increasing consumer and commercial demand for more telecommunication capacity and internet services, with fiber optic technology capable of providing the required information capacity (larger than both wireless connections and copper cable).

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Based on region, Asia-Pacific held the highest market share in terms of revenue in 2022, accounting for more than two-fifths of the global fiber optics preform market revenue. Moreover, Asia-Pacific is expected to witness the fastest CAGR of 10.62% from 2023 to 2032, owing to rapid industrialization and increase in investment in fiber optics which are fueling the growth of the market in this region.

The key players profiled in the fiber optic preform market trends, such as Fujikura Ltd, Furukawa Electric Co., Ltd., Hengtong Group Co., Ltd, Heraeus Holding, Fiberhome, Prysmian Group, sterlite technologies limited, Sumitomo Electric Industries Ltd., Yangtze Optical Fiber and Cable Joint Stock Limited Company, and Corning Incorporated are provided in this report.

Key Benefits For Stakeholders:

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the fiber optic preform market analysis from 2022 to 2032 to identify the prevailing fiber optic preform market demand, opportunity.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the fiber optic preform market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global [fiber optic preform industry](#) trends, key players, market segments, application areas, and market growth strategies.

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