

Global Hollow Core Fiber Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Hollow Core Fiber market size was valued at USD 13 million in 2023 and is forecast to a readjusted size of USD 21 million by 2030 with a CAGR of 6.3% during review period.

Hollow core fiber is a type of optical fiber that has a hollow core instead of a solid core. It is made by creating a periodic array of air holes that run along the length of the fiber, which causes light to be guided through the hollow core. Hollow core fiber has been developed for the first time since 1999.

Global key players of Hollow Core Fiber include NKT Photonics, Lumenisity, etc. They hold a share over 37%.

Europe is the largest market, has a share about 45%, followed by North America, and Asia-Pacific, with share 25% and 20%, separately.

In terms of Wavelength, 780-800nm and 1030-1064nm are the largest segment, occupied for a share of 68%.

Hollow Core Fiber can be mainly used in High Power Laser Delivery? High Power Laser Delivery has a share about 56%.

The Global Info Research report includes an overview of the development of the Hollow Core Fiber industry chain, the market status of High Power Laser Delivery (405-450nm, 515-532nm), Gas Sensing (405-450nm, 515-532nm), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot

applications and market trends of Hollow Core Fiber.

Regionally, the report analyzes the Hollow Core Fiber markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Hollow Core Fiber market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Hollow Core Fiber market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Hollow Core Fiber industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Meters), revenue generated, and market share of different by Wavelength (e.g., 405-450nm, 515-532nm).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Hollow Core Fiber market.

Regional Analysis: The report involves examining the Hollow Core Fiber market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Hollow Core Fiber market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Hollow Core Fiber:

Company Analysis: Report covers individual Hollow Core Fiber manufacturers, suppliers, and other relevant industry players. This analysis includes studying their

financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Hollow Core Fiber. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (High Power Laser Delivery, Gas Sensing).

Technology Analysis: Report covers specific technologies relevant to Hollow Core Fiber. It assesses the current state, advancements, and potential future developments in Hollow Core Fiber areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Hollow Core Fiber market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Hollow Core Fiber market is split by Wavelength and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Wavelength, and by Application in terms of volume and value.

Market segment by Wavelength

405-450nm

515-532nm

780-800nm

1030-1064nm

Other

Market segment by Application

High Power Laser Delivery

Gas Sensing

Imaging

Medical

Gyroscopes

Other

Major players covered

NKT Photonics

Photonics Bretagne

GLOphotonics

Guiding Photonics

OFS (Furukawa)

YSL Photonics

Lumenicity

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

Chapter 2, to profile the top manufacturers of Hollow Core Fiber, with price, sales, revenue and global market share of Hollow Core Fiber from 2019 to 2024.

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

Chapter 4, the Hollow Core Fiber breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Wavelength and application, with sales market share and growth rate by wavelength, application, from 2019 to 2030.

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 2017 to 2023. and Hollow Core Fiber market forecast, by regions, wavelength and application, with sales and revenue, from 2025 to 2030.

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 Hollow Core Fiber.

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

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