

Global VAD Optical Fiber Preform Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/G17E45DA322BEN.html>

Date: February 2026

Pages: 153

Price: US\$ 2,980.00 (Single User License)

ID: G17E45DA322BEN

Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on VAD Optical Fiber Preform competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. A VAD (Vapor Axial Deposition) Optical Fiber Preform is a high-purity glass rod produced using the VAD process, where chemical vapors are deposited axially onto a seed rod to form a cylindrical preform. This method allows high-volume, high-quality single-mode and multi-mode preforms with precise refractive index control. VAD preforms are primarily used in telecommunications, long-haul networks, and high-capacity data centers, supporting fibers that deliver low-loss, high-bandwidth performance over long distances. The process is suitable for mass production of long preforms for global fiber optic networks. In 2024, global sales reached approximately 12.8 Kilotons, with an average global market price of around USD 107 per kg.

The global VAD Optical Fiber Preform market size was estimated at USD 1360.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 6.40% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global VAD Optical Fiber Preform market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market

positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global VAD Optical Fiber Preform market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the VAD Optical Fiber Preform market.

Global VAD Optical Fiber Preform Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

YOFC
Corning
Prysmian
Shin-Etsu
Furukawa Electric
Sumitomo Electric
Hengtong Group
Fujikura
OFS Fitel
Fasten Group

Fiberhome
Futong Technology
ZTT Group
Tongding Group
Zhongli Group

Market Segmentation (by Type)

Single-mode
Multi-mode

Market Segmentation (by Application)

Telecom
Power
Industrial
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the VAD Optical Fiber Preform Market
Overview of the regional outlook of the VAD Optical Fiber Preform Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the VAD Optical Fiber Preform Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of VAD Optical Fiber Preform, their

output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain
Market dynamics scenario, along with growth opportunities of the market in the years to come
6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of VAD Optical Fiber Preform
- 1.2 Key Market Segments
 - 1.2.1 VAD Optical Fiber Preform Segment by Type
 - 1.2.2 VAD Optical Fiber Preform Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 VAD OPTICAL FIBER PREFORM MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global VAD Optical Fiber Preform Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global VAD Optical Fiber Preform Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 VAD OPTICAL FIBER PREFORM MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global VAD Optical Fiber Preform Product Life Cycle
- 3.3 Global VAD Optical Fiber Preform Sales by Manufacturers (2020-2025)
- 3.4 Global VAD Optical Fiber Preform Revenue Market Share by Manufacturers (2020-2025)
- 3.5 VAD Optical Fiber Preform Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global VAD Optical Fiber Preform Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 VAD Optical Fiber Preform Market Competitive Situation and Trends
 - 3.8.1 VAD Optical Fiber Preform Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest VAD Optical Fiber Preform Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 VAD OPTICAL FIBER PREFORM INDUSTRY CHAIN ANALYSIS

4.1 VAD Optical Fiber Preform Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF VAD OPTICAL FIBER PREFORM MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global VAD Optical Fiber Preform Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to VAD Optical Fiber Preform Market

5.7 ESG Ratings of Leading Companies

6 VAD OPTICAL FIBER PREFORM MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global VAD Optical Fiber Preform Sales Market Share by Type (2020-2025)

6.3 Global VAD Optical Fiber Preform Market Size by Type (2020-2025)

6.4 Global VAD Optical Fiber Preform Price by Type (2020-2025)

7 VAD OPTICAL FIBER PREFORM MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global VAD Optical Fiber Preform Market Sales by Application (2020-2025)
- 7.3 Global VAD Optical Fiber Preform Market Size (M USD) by Application (2020-2025)
- 7.4 Global VAD Optical Fiber Preform Sales Growth Rate by Application (2020-2025)

8 VAD OPTICAL FIBER PREFORM MARKET SALES BY REGION

- 8.1 Global VAD Optical Fiber Preform Sales by Region
 - 8.1.1 Global VAD Optical Fiber Preform Sales by Region
 - 8.1.2 Global VAD Optical Fiber Preform Sales Market Share by Region
- 8.2 Global VAD Optical Fiber Preform Market Size by Region
 - 8.2.1 Global VAD Optical Fiber Preform Market Size by Region
 - 8.2.2 Global VAD Optical Fiber Preform Market Size by Region
- 8.3 North America
 - 8.3.1 North America VAD Optical Fiber Preform Sales by Country
 - 8.3.2 North America VAD Optical Fiber Preform Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe VAD Optical Fiber Preform Sales by Country
 - 8.4.2 Europe VAD Optical Fiber Preform Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific VAD Optical Fiber Preform Sales by Region
 - 8.5.2 Asia Pacific VAD Optical Fiber Preform Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America VAD Optical Fiber Preform Sales by Country
 - 8.6.2 South America VAD Optical Fiber Preform Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa VAD Optical Fiber Preform Sales by Region

8.7.2 Middle East and Africa VAD Optical Fiber Preform Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 VAD OPTICAL FIBER PREFORM MARKET PRODUCTION BY REGION

9.1 Global Production of VAD Optical Fiber Preform by Region(2020-2025)

9.2 Global VAD Optical Fiber Preform Revenue Market Share by Region (2020-2025)

9.3 Global VAD Optical Fiber Preform Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America VAD Optical Fiber Preform Production

9.4.1 North America VAD Optical Fiber Preform Production Growth Rate (2020-2025)

9.4.2 North America VAD Optical Fiber Preform Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe VAD Optical Fiber Preform Production

9.5.1 Europe VAD Optical Fiber Preform Production Growth Rate (2020-2025)

9.5.2 Europe VAD Optical Fiber Preform Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan VAD Optical Fiber Preform Production (2020-2025)

9.6.1 Japan VAD Optical Fiber Preform Production Growth Rate (2020-2025)

9.6.2 Japan VAD Optical Fiber Preform Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China VAD Optical Fiber Preform Production (2020-2025)

9.7.1 China VAD Optical Fiber Preform Production Growth Rate (2020-2025)

9.7.2 China VAD Optical Fiber Preform Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 YOFC

10.1.1 YOFC Basic Information

- 10.1.2 YOFC VAD Optical Fiber Preform Product Overview
- 10.1.3 YOFC VAD Optical Fiber Preform Product Market Performance
- 10.1.4 YOFC Business Overview
- 10.1.5 YOFC SWOT Analysis
- 10.1.6 YOFC Recent Developments
- 10.2 Corning
 - 10.2.1 Corning Basic Information
 - 10.2.2 Corning VAD Optical Fiber Preform Product Overview
 - 10.2.3 Corning VAD Optical Fiber Preform Product Market Performance
 - 10.2.4 Corning Business Overview
 - 10.2.5 Corning SWOT Analysis
 - 10.2.6 Corning Recent Developments
- 10.3 Prysmian
 - 10.3.1 Prysmian Basic Information
 - 10.3.2 Prysmian VAD Optical Fiber Preform Product Overview
 - 10.3.3 Prysmian VAD Optical Fiber Preform Product Market Performance
 - 10.3.4 Prysmian Business Overview
 - 10.3.5 Prysmian SWOT Analysis
 - 10.3.6 Prysmian Recent Developments
- 10.4 Shin-Etsu
 - 10.4.1 Shin-Etsu Basic Information
 - 10.4.2 Shin-Etsu VAD Optical Fiber Preform Product Overview
 - 10.4.3 Shin-Etsu VAD Optical Fiber Preform Product Market Performance
 - 10.4.4 Shin-Etsu Business Overview
 - 10.4.5 Shin-Etsu Recent Developments
- 10.5 Furukawa Electric
 - 10.5.1 Furukawa Electric Basic Information
 - 10.5.2 Furukawa Electric VAD Optical Fiber Preform Product Overview
 - 10.5.3 Furukawa Electric VAD Optical Fiber Preform Product Market Performance
 - 10.5.4 Furukawa Electric Business Overview
 - 10.5.5 Furukawa Electric Recent Developments
- 10.6 Sumitomo Electric
 - 10.6.1 Sumitomo Electric Basic Information
 - 10.6.2 Sumitomo Electric VAD Optical Fiber Preform Product Overview
 - 10.6.3 Sumitomo Electric VAD Optical Fiber Preform Product Market Performance
 - 10.6.4 Sumitomo Electric Business Overview
 - 10.6.5 Sumitomo Electric Recent Developments
- 10.7 Hengtong Group
 - 10.7.1 Hengtong Group Basic Information

- 10.7.2 Hengtong Group VAD Optical Fiber Preform Product Overview
- 10.7.3 Hengtong Group VAD Optical Fiber Preform Product Market Performance
- 10.7.4 Hengtong Group Business Overview
- 10.7.5 Hengtong Group Recent Developments
- 10.8 Fujikura
 - 10.8.1 Fujikura Basic Information
 - 10.8.2 Fujikura VAD Optical Fiber Preform Product Overview
 - 10.8.3 Fujikura VAD Optical Fiber Preform Product Market Performance
 - 10.8.4 Fujikura Business Overview
 - 10.8.5 Fujikura Recent Developments
- 10.9 OFS Fitel
 - 10.9.1 OFS Fitel Basic Information
 - 10.9.2 OFS Fitel VAD Optical Fiber Preform Product Overview
 - 10.9.3 OFS Fitel VAD Optical Fiber Preform Product Market Performance
 - 10.9.4 OFS Fitel Business Overview
 - 10.9.5 OFS Fitel Recent Developments
- 10.10 Fasten Group
 - 10.10.1 Fasten Group Basic Information
 - 10.10.2 Fasten Group VAD Optical Fiber Preform Product Overview
 - 10.10.3 Fasten Group VAD Optical Fiber Preform Product Market Performance
 - 10.10.4 Fasten Group Business Overview
 - 10.10.5 Fasten Group Recent Developments
- 10.11 Fiberhome
 - 10.11.1 Fiberhome Basic Information
 - 10.11.2 Fiberhome VAD Optical Fiber Preform Product Overview
 - 10.11.3 Fiberhome VAD Optical Fiber Preform Product Market Performance
 - 10.11.4 Fiberhome Business Overview
 - 10.11.5 Fiberhome Recent Developments
- 10.12 Futong Technology
 - 10.12.1 Futong Technology Basic Information
 - 10.12.2 Futong Technology VAD Optical Fiber Preform Product Overview
 - 10.12.3 Futong Technology VAD Optical Fiber Preform Product Market Performance
 - 10.12.4 Futong Technology Business Overview
 - 10.12.5 Futong Technology Recent Developments
- 10.13 ZTT Group
 - 10.13.1 ZTT Group Basic Information
 - 10.13.2 ZTT Group VAD Optical Fiber Preform Product Overview
 - 10.13.3 ZTT Group VAD Optical Fiber Preform Product Market Performance
 - 10.13.4 ZTT Group Business Overview

- 10.13.5 ZTT Group Recent Developments
- 10.14 Tongding Group
 - 10.14.1 Tongding Group Basic Information
 - 10.14.2 Tongding Group VAD Optical Fiber Preform Product Overview
 - 10.14.3 Tongding Group VAD Optical Fiber Preform Product Market Performance
 - 10.14.4 Tongding Group Business Overview
 - 10.14.5 Tongding Group Recent Developments
- 10.15 Zhongli Group
 - 10.15.1 Zhongli Group Basic Information
 - 10.15.2 Zhongli Group VAD Optical Fiber Preform Product Overview
 - 10.15.3 Zhongli Group VAD Optical Fiber Preform Product Market Performance
 - 10.15.4 Zhongli Group Business Overview
 - 10.15.5 Zhongli Group Recent Developments

11 VAD OPTICAL FIBER PREFORM MARKET FORECAST BY REGION

- 11.1 Global VAD Optical Fiber Preform Market Size Forecast
- 11.2 Global VAD Optical Fiber Preform Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe VAD Optical Fiber Preform Market Size Forecast by Country
 - 11.2.3 Asia Pacific VAD Optical Fiber Preform Market Size Forecast by Region
 - 11.2.4 South America VAD Optical Fiber Preform Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of VAD Optical Fiber Preform by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

- 12.1 Global VAD Optical Fiber Preform Market Forecast by Type (2026-2035)
 - 12.1.1 Global Forecasted Sales of VAD Optical Fiber Preform by Type (2026-2035)
 - 12.1.2 Global VAD Optical Fiber Preform Market Size Forecast by Type (2026-2035)
 - 12.1.3 Global Forecasted Price of VAD Optical Fiber Preform by Type (2026-2035)
- 12.2 Global VAD Optical Fiber Preform Market Forecast by Application (2026-2035)
 - 12.2.1 Global VAD Optical Fiber Preform Sales (K MT) Forecast by Application
 - 12.2.2 Global VAD Optical Fiber Preform Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global VAD Optical Fiber Preform Market Size by Type (M USD)

Table 4. Global VAD Optical Fiber Preform Market Size by Application

Table 5. VAD Optical Fiber Preform Market Size Comparison by Region (M USD)

Table 6. Global VAD Optical Fiber Preform Sales (K MT) by Manufacturers (2020-2025)

Table 7. Global VAD Optical Fiber Preform Sales Market Share by Manufacturers (2020-2025)

Table 8. Global VAD Optical Fiber Preform Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global VAD Optical Fiber Preform Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in VAD Optical Fiber Preform as of 2025)

Table 11. Global Market VAD Optical Fiber Preform Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global VAD Optical Fiber Preform Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. VAD Optical Fiber Preform Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global VAD Optical Fiber Preform Sales by Type (K MT)

Table 27. Global VAD Optical Fiber Preform Market Size by Type (M USD)

Table 28. Global VAD Optical Fiber Preform Sales (K MT) by Type (2020-2025)

- Table 29. Global VAD Optical Fiber Preform Sales Market Share by Type (2020-2025)
- Table 30. Global VAD Optical Fiber Preform Market Size (M USD) by Type (2020-2025)
- Table 31. Global VAD Optical Fiber Preform Market Share by Type (2020-2025)
- Table 32. Global VAD Optical Fiber Preform Price (USD/KG) by Type (2020-2025)
- Table 33. Global VAD Optical Fiber Preform Sales (K MT) by Application
- Table 34. Global VAD Optical Fiber Preform Market Size by Application
- Table 35. Global VAD Optical Fiber Preform Sales by Application (2020-2025) & (K MT)
- Table 36. Global VAD Optical Fiber Preform Sales Market Share by Application (2020-2025)
- Table 37. Global VAD Optical Fiber Preform Market Size by Application (2020-2025) & (M USD)
- Table 38. Global VAD Optical Fiber Preform Market Share by Application (2020-2025)
- Table 39. Global VAD Optical Fiber Preform Sales Growth Rate by Application (2020-2025)
- Table 40. Global VAD Optical Fiber Preform Sales by Region (2020-2025) & (K MT)
- Table 41. Global VAD Optical Fiber Preform Sales Market Share by Region (2020-2025)
- Table 42. Global VAD Optical Fiber Preform Market Size by Region (2020-2025) & (M USD)
- Table 43. Global VAD Optical Fiber Preform Market Size by Region (2020-2025)
- Table 44. North America VAD Optical Fiber Preform Sales by Country (2020-2025) & (K MT)
- Table 45. North America VAD Optical Fiber Preform Market Size by Country (2020-2025) & (M USD)
- Table 46. Europe VAD Optical Fiber Preform Sales by Country (2020-2025) & (K MT)
- Table 47. Europe VAD Optical Fiber Preform Market Size by Country (2020-2025) & (M USD)
- Table 48. Asia Pacific VAD Optical Fiber Preform Sales by Region (2020-2025) & (K MT)
- Table 49. Asia Pacific VAD Optical Fiber Preform Market Size by Region (2020-2025) & (M USD)
- Table 50. South America VAD Optical Fiber Preform Sales by Country (2020-2025) & (K MT)
- Table 51. South America VAD Optical Fiber Preform Market Size by Country (2020-2025) & (M USD)
- Table 52. Middle East and Africa VAD Optical Fiber Preform Sales by Region (2020-2025) & (K MT)
- Table 53. Middle East and Africa VAD Optical Fiber Preform Market Size by Region (2020-2025) & (M USD)

Table 54. Global VAD Optical Fiber Preform Production (K MT) by Region(2020-2025)

Table 55. Global VAD Optical Fiber Preform Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global VAD Optical Fiber Preform Revenue Market Share by Region (2020-2025)

Table 57. Global VAD Optical Fiber Preform Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America VAD Optical Fiber Preform Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe VAD Optical Fiber Preform Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan VAD Optical Fiber Preform Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China VAD Optical Fiber Preform Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. YOFC Basic Information

Table 63. YOFC VAD Optical Fiber Preform Product Overview

Table 64. YOFC VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. YOFC Business Overview

Table 66. YOFC SWOT Analysis

Table 67. YOFC Recent Developments

Table 68. Corning Basic Information

Table 69. Corning VAD Optical Fiber Preform Product Overview

Table 70. Corning VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 71. Corning Business Overview

Table 72. Corning SWOT Analysis

Table 73. Corning Recent Developments

Table 74. Prysmian Basic Information

Table 75. Prysmian VAD Optical Fiber Preform Product Overview

Table 76. Prysmian VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 77. Prysmian Business Overview

Table 78. Prysmian SWOT Analysis

Table 79. Prysmian Recent Developments

Table 80. Shin-Etsu Basic Information

Table 81. Shin-Etsu VAD Optical Fiber Preform Product Overview

Table 82. Shin-Etsu VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price

(USD/KG) and Gross Margin (2020-2025)

Table 83. Shin-Etsu Business Overview

Table 84. Shin-Etsu Recent Developments

Table 85. Furukawa Electric Basic Information

Table 86. Furukawa Electric VAD Optical Fiber Preform Product Overview

Table 87. Furukawa Electric VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 88. Furukawa Electric Business Overview

Table 89. Furukawa Electric Recent Developments

Table 90. Sumitomo Electric Basic Information

Table 91. Sumitomo Electric VAD Optical Fiber Preform Product Overview

Table 92. Sumitomo Electric VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 93. Sumitomo Electric Business Overview

Table 94. Sumitomo Electric Recent Developments

Table 95. Hengtong Group Basic Information

Table 96. Hengtong Group VAD Optical Fiber Preform Product Overview

Table 97. Hengtong Group VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 98. Hengtong Group Business Overview

Table 99. Hengtong Group Recent Developments

Table 100. Fujikura Basic Information

Table 101. Fujikura VAD Optical Fiber Preform Product Overview

Table 102. Fujikura VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 103. Fujikura Business Overview

Table 104. Fujikura Recent Developments

Table 105. OFS Fitel Basic Information

Table 106. OFS Fitel VAD Optical Fiber Preform Product Overview

Table 107. OFS Fitel VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 108. OFS Fitel Business Overview

Table 109. OFS Fitel Recent Developments

Table 110. Fasten Group Basic Information

Table 111. Fasten Group VAD Optical Fiber Preform Product Overview

Table 112. Fasten Group VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 113. Fasten Group Business Overview

Table 114. Fasten Group Recent Developments

- Table 115. Fiberhome Basic Information
- Table 116. Fiberhome VAD Optical Fiber Preform Product Overview
- Table 117. Fiberhome VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 118. Fiberhome Business Overview
- Table 119. Fiberhome Recent Developments
- Table 120. Futong Technology Basic Information
- Table 121. Futong Technology VAD Optical Fiber Preform Product Overview
- Table 122. Futong Technology VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 123. Futong Technology Business Overview
- Table 124. Futong Technology Recent Developments
- Table 125. ZTT Group Basic Information
- Table 126. ZTT Group VAD Optical Fiber Preform Product Overview
- Table 127. ZTT Group VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 128. ZTT Group Business Overview
- Table 129. ZTT Group Recent Developments
- Table 130. Tongding Group Basic Information
- Table 131. Tongding Group VAD Optical Fiber Preform Product Overview
- Table 132. Tongding Group VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 133. Tongding Group Business Overview
- Table 134. Tongding Group Recent Developments
- Table 135. Zhongli Group Basic Information
- Table 136. Zhongli Group VAD Optical Fiber Preform Product Overview
- Table 137. Zhongli Group VAD Optical Fiber Preform Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 138. Zhongli Group Business Overview
- Table 139. Zhongli Group Recent Developments
- Table 140. Global VAD Optical Fiber Preform Sales Forecast by Region (2026-2035) & (K MT)
- Table 141. Global VAD Optical Fiber Preform Market Size Forecast by Region (2026-2035) & (M USD)
- Table 142. North America VAD Optical Fiber Preform Sales Forecast by Country (2026-2035) & (K MT)
- Table 143. North America VAD Optical Fiber Preform Market Size Forecast by Country (2026-2035) & (M USD)
- Table 144. Europe VAD Optical Fiber Preform Sales Forecast by Country (2026-2035)

& (K MT)

Table 145. Europe VAD Optical Fiber Preform Market Size Forecast by Country (2026-2035) & (M USD)

Table 146. Asia Pacific VAD Optical Fiber Preform Sales Forecast by Region (2026-2035) & (K MT)

Table 147. Asia Pacific VAD Optical Fiber Preform Market Size Forecast by Region (2026-2035) & (M USD)

Table 148. South America VAD Optical Fiber Preform Sales Forecast by Country (2026-2035) & (K MT)

Table 149. South America VAD Optical Fiber Preform Market Size Forecast by Country (2026-2035) & (M USD)

Table 150. Middle East and Africa VAD Optical Fiber Preform Sales Forecast by Country (2026-2035) & (Units)

Table 151. Middle East and Africa VAD Optical Fiber Preform Market Size Forecast by Country (2026-2035) & (M USD)

Table 152. Global VAD Optical Fiber Preform Sales Forecast by Type (2026-2035) & (K MT)

Table 153. Global VAD Optical Fiber Preform Market Size Forecast by Type (2026-2035) & (M USD)

Table 154. Global VAD Optical Fiber Preform Price Forecast by Type (2026-2035) & (USD/KG)

Table 155. Global VAD Optical Fiber Preform Sales (K MT) Forecast by Application (2026-2035)

Table 156. Global VAD Optical Fiber Preform Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of VAD Optical Fiber Preform
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global VAD Optical Fiber Preform Market Size (M USD), 2025-2035
- Figure 5. Global VAD Optical Fiber Preform Market Size (M USD) (2020-2035)
- Figure 6. Global VAD Optical Fiber Preform Sales (K MT) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. VAD Optical Fiber Preform Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global VAD Optical Fiber Preform Product Life Cycle
- Figure 13. VAD Optical Fiber Preform Sales Share by Manufacturers in 2025
- Figure 14. Global VAD Optical Fiber Preform Revenue Share by Manufacturers in 2025
- Figure 15. VAD Optical Fiber Preform Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market VAD Optical Fiber Preform Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by VAD Optical Fiber Preform Revenue in 2025
- Figure 18. Industry Chain Map of VAD Optical Fiber Preform
- Figure 19. Global VAD Optical Fiber Preform Market PEST Analysis
- Figure 20. Global VAD Optical Fiber Preform Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global VAD Optical Fiber Preform Market Share by Type
- Figure 27. Sales Market Share of VAD Optical Fiber Preform by Type (2020-2025)
- Figure 28. Sales Market Share of VAD Optical Fiber Preform by Type in 2025
- Figure 29. Market Share of VAD Optical Fiber Preform by Type (2020-2025)
- Figure 30. Market Share of VAD Optical Fiber Preform by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global VAD Optical Fiber Preform Market Share by Application

Figure 33. Global VAD Optical Fiber Preform Sales Market Share by Application (2020-2025)

Figure 34. Global VAD Optical Fiber Preform Sales Market Share by Application in 2025

Figure 35. Global VAD Optical Fiber Preform Market Share by Application (2020-2025)

Figure 36. Global VAD Optical Fiber Preform Market Share by Application in 2025

Figure 37. Global VAD Optical Fiber Preform Sales Growth Rate by Application (2020-2025)

Figure 38. Global VAD Optical Fiber Preform Sales Market Share by Region (2020-2025)

Figure 39. Global VAD Optical Fiber Preform Market Size by Region (2020-2025)

Figure 40. North America VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America VAD Optical Fiber Preform Sales Market Share by Country in 2024

Figure 43. North America VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America VAD Optical Fiber Preform Market Size by Country in 2024

Figure 45. U.S. VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada VAD Optical Fiber Preform Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada VAD Optical Fiber Preform Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico VAD Optical Fiber Preform Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico VAD Optical Fiber Preform Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe VAD Optical Fiber Preform Sales Market Share by Country in 2024

Figure 53. Europe VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe VAD Optical Fiber Preform Market Size by Country in 2024

Figure 55. Germany VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific VAD Optical Fiber Preform Sales and Growth Rate (K MT)

Figure 66. Asia Pacific VAD Optical Fiber Preform Sales Market Share by Region in 2024

Figure 67. Asia Pacific VAD Optical Fiber Preform Market Size by Region in 2024

Figure 68. China VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia VAD Optical Fiber Preform Sales and Growth Rate

(2020-2025) & (K MT)

Figure 77. Southeast Asia VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America VAD Optical Fiber Preform Sales and Growth Rate (K MT)

Figure 79. South America VAD Optical Fiber Preform Sales Market Share by Country in 2024

Figure 80. South America VAD Optical Fiber Preform Market Size and Growth Rate (M USD)

Figure 81. South America VAD Optical Fiber Preform Market Size by Country in 2024

Figure 82. Brazil VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa VAD Optical Fiber Preform Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa VAD Optical Fiber Preform Sales Market Share by Region in 2024

Figure 90. Middle East and Africa VAD Optical Fiber Preform Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa VAD Optical Fiber Preform Market Size by Region in 2024

Figure 92. Saudi Arabia VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa VAD Optical Fiber Preform Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa VAD Optical Fiber Preform Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global VAD Optical Fiber Preform Production Market Share by Region (2020-2025)

Figure 103. North America VAD Optical Fiber Preform Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe VAD Optical Fiber Preform Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan VAD Optical Fiber Preform Production (K MT) Growth Rate (2020-2025)

Figure 106. China VAD Optical Fiber Preform Production (K MT) Growth Rate (2020-2025)

Figure 107. Global VAD Optical Fiber Preform Sales Forecast by Volume (2020-2035) & (K MT)

Figure 108. Global VAD Optical Fiber Preform Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global VAD Optical Fiber Preform Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global VAD Optical Fiber Preform Market Share Forecast by Type (2026-2035)

Figure 111. Global VAD Optical Fiber Preform Sales Forecast by Application (2026-2035)

Figure 112. Global VAD Optical Fiber Preform Market Share Forecast by Application (2026-2035)

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