

Fusion Splicer Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global fusion splicer market size reached US\$ 700 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,050 Million by 2028, exhibiting a growth rate (CAGR) of 5.9% during 2023-2028.

A fusion splicer is an equipment that is used to weld two or more fibers together to form a single unit. It works by aligning pre-prepared fiber tops and fusing them. The resulting joint or fusion splice is used to pass optical light signals through the fibers. The splicer consists of an optical core that assists in aligning fiber cables, a Profile Alignment Systems (PAS) software that helps in estimating the loss of material during splicing, multiple fiber strippers, and a local injection detection system that detects the edges where the light is reflected. It finds extensive application across various industries as it offers low variable costs per fusion splice and has the least reflectance and loss of signals. Fusion spliced fibers can also withstand extreme temperatures and prevent dust and other particles from entering the optical path.

The increasing adoption of cloud-based infrastructure across the globe is the key factor driving the growth of the market. The rising demand for hyper connectivity by consumers is augmenting the need for fiber optic cables that provide extended bandwidth. Furthermore, the convergence of video, voice and data networks with extensive fiber-to-the-home (FTTH) arrangements have increased the demand for fusion spliced optical fiber. Additionally, the rapid growth of various industries including aerospace, defense, telecommunication and healthcare is also providing a boost to product sales. Other factors that are creating a positive outlook for the market include technological advancements and increased government funding for research and development to develop efficient fiber-optic networks.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global fusion splicer market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on offering, product, alignment type and application.

Breakup by Offering:

- Hardware
- Software and Services

Breakup by Product:

- Single Fiber Fusion Splicer
- Ribbon Fiber Fusion Splicer
- Special Fiber Fusion Splicer

Breakup by Alignment Type:

- Core Alignment
- Cladding Alignment

Breakup by Application:

- Telecommunication
- Cable TV
- Enterprises
- Aerospace & Defense
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia Pacific
 - China
 - Japan
 - India

South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Fujikura, GAO Tek, IIsintech, INNO Instrument India Pvt. Ltd., Nanjing Jilong Optical Communication Co. Ltd., Precision Rated Optics, Signal Fire Technology Co. Ltd., Sumitomo Electric Industries, The Furukawa Electric Co., Ltd, etc.

Key Questions Answered in This Report:

How has the global fusion splicer market performed so far and how will it perform in the coming years?
What are the key regional markets in the global fusion splicer industry?
What has been the impact of COVID-19 on the global fusion splicer market?
What is the breakup of the market based on the offering?
What is the breakup of the market based on the product?
What is the breakup of the market based on the alignment type?
What is the breakup of the market based on the application?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?
What is the structure of the global fusion splicer market and who are the key players?
What is the degree of competition in the industry?

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