

# **Asia Pacific Medical Fiber Optics Market By Application (Illumination, Endoscopic Imaging, Biomedical Sensing, Laser Signal Delivery, and Other Applications), By Fiber Type (Multimode Optical Fiber and Single Mode Optical Fiber), By Country, Industry Analysis and Forecast, 2020 - 2026**

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## **Abstracts**

The Asia Pacific Medical Fiber Optics Market would witness market growth of 10% CAGR during the forecast period (2020-2026).

As fiber optics is flexible, they are used in various medical applications. These fibers can be used for the preparation of high-quality flexible glass, silica, and plastic. The main purpose of optical fibers is to transfer light between two ends of the fiber. Fiber optics are widely used in communications, where it permits light transfer over elongated distance and at much higher bandwidths compared to wire cables. These fibers are mostly used for flexible light guide systems, laser light delivery systems, flexible image bundles, and illumination, and light conductors.

Fiber optics is going to be an essential part of the medical industry over the years to come. The physical feature of fiber makes it suitable for various medical applications. Optical fibers are categorized into two types – multiple mode fiber and single-mode fiber. Single-mode fiber has a small core of approximately nine microns in diameter. It limits the transmission of light in the fiber, which leads to less scattering of light pulses. On the other hand, multimode fiber has a large core size of about 50 to 62 microns in diameter and it can transmit more than one mode of light.

The utilization of fiber optics has for quite a long time been pervasive in the medical

business, especially in its commercialization in endoscopic imaging applications. From that point forward, there have been a few forces that advance the utilization of medical fiber optics in cutting-edge biomedical instrumentation, remarkably in imaging innovations. The demand for medical optics has increased the technological growth in biomedical sensing.

Based on Application, the market is segmented into Illumination, Endoscopic Imaging, Biomedical Sensing, Laser Signal Delivery, and Other Applications. Based on Fiber Type, the market is segmented into Multimode Optical Fiber and Single Mode Optical Fiber. Based on countries, the market is segmented into China, Japan, India, South Korea, Singapore, Malaysia, and Rest of Asia Pacific.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include MKS Instruments, Inc. (Newport Corporation), IPG Photonics Corporation, Coherent, Inc., LEONI Group, Fiberoptics Technology, Inc., Timbercon, Inc. (Radiall America, Inc.), Gulf Fiberoptics, Inc., Sunoptic Technologies, LLC, Vitalcor, Inc., and Infinite Electronics, Inc. (Integra Optics, Inc.).

## Scope of the Study

### Market Segmentation:

#### By Application

Illumination

Endoscopic Imaging

Biomedical Sensing

Laser Signal Delivery

Other Applications

#### By Fiber Type

Multimode Optical Fiber

## Single Mode Optical Fiber

### By Country

China

Japan

India

South Korea

Singapore

Malaysia

Rest of Asia Pacific

### Companies Profiled

MKS Instruments, Inc. (Newport Corporation)

IPG Photonics Corporation

Coherent, Inc.

LEONI Group

Fiberoptics Technology, Inc.

Timbercon, Inc. (Radiall America, Inc.)

Gulf Fiberoptics, Inc.

Sunoptic Technologies, LLC

Vitalcor, Inc.

Infinite Electronics, Inc. (Integra Optics, Inc.)

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