Companies that manufacture fiber optic arrays



Overview

10 Best Fiber Optic Manufacturers for 2026 This comprehensive guide examines the top fiber optic cable manufacturers delivering high-performance fiber opti.

Key Takeaways

Leading manufacturers of fiber optic arrays include Molex/Phillips Medisize, PHIX Photonics, FiberTech Optica, and Fibertec, offering linear, 2D, and v-groove arrays for diverse optical applications.

Key Manufacturers and Offerings

Molex / Phillips Medisize provides custom optical assemblies and arrays ranging from a few fibers to thousands, using proprietary manufacturing techniques. Their products include v-groove and 2D arrays suitable for high-power, high-temperature, and cryogenic applications, as well as optical switching, sensing, and telecommunications. They offer standard single-fiber assemblies and complex bundles with various connectors and sheathing options.

PHI

X Photonics Assembly specializes in high-quality v-groove fiber arrays for photonic integrated circuit (PIC) connections. They offer arrays covering ultraviolet to infrared wavelengths, with channel counts up to 64, and provide both stock and custom configurations through their dedicated webshop.

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Fiber

Tech Optica manufactures high-precision linear, 2D, and v-groove fiber arrays using metals, polymers, and fused silica. Their patented technology ensures unmatched tolerances in fiber positioning and centering, supporting complex fiber arrangements for custom optical assemblies. Fibertec produces 1D and 2D fiber arrays using silica single-mode and multimode fibers.

Their arrays are designed for industrial, sensor, image processing, and telecom applications, emphasizing homogeneous light distribution and robust, precise manufacturing.

Applications

Fiber optic arrays are widely used in: Telecommunications: Optical switching, FTTH splitters, and arrayed waveguide gratings. Photonic Integrated Circuits (PICs): High-precision coupling to on-chip waveguides. Sensing and Imaging: Industrial sensors, spectroscopy, and bioanalytical instrumentation.

High-

Power Laser Delivery: Coherent beam combining and laser light routing.

Considerations for Selection

When choosing a manufacturer, consider: Array type: Linear, 2D, or v-groove. Fiber count and pitch: Number of channels and spacing precision. Wavelength range: Compatibility with your optical system.

Connector and packaging options: SMA, D-80, or custom sheathing. Tolerance and alignment: Critical for PIC coupling and high-precision applications. These manufacturers provide both standard and custom solutions, allowing for tailored fiber array assemblies to meet specific optical and mechanical requirements.

Article Content

10 Best Fiber Optic Manufacturers for 2026

This comprehensive guide examines the top fiber optic cable manufacturers delivering high-performance fiber optic cables and optical fiber solutions that enable lightning-fast data

Top 21 Fiber Optics Manufacturing Companies

VMR Industry Intelligence: A evaluation of the top 7 fiber optic vendors. Featuring market share data, Proprietary Intelligence Scores (PIS), and

Fiber Optics Group

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The company develops highly complex fiber optic bundles, matrices, and arrays (linear, 2D, and V-groove) as well as specialty fiber optic patchcords, high-power laser cables, and reflectance probes.

Fiber optic array manufacturer, linear and 2D fiber optic arrays

FiberTech Optica has developed capabilities to fabricate high precision linear, 2D and v-groove fiber arrays housed in common metals and polymers. For applications requiring fibers spaced apart with

Optical Assemblies and Arrays

Whether you need simple, single-fiber patch cables or custom fiber optic assemblies, our team is dedicated to meeting your volume requirements promptly and reliably.

Top 10 Companies in the Optical Fibers Industry (2025): Market

Here we profile the Top 10 Optical Fiber Companies – innovators shaping the future of telecommunications, data centers, and industrial applications through cutting-edge fiber solutions.

Fiber Arrays – Buyer''s Guide & Supplier List | RP Photonics

32 suppliers for fiber arrays are listed in the RP Photonics Buyer''s Guide, out of which two present their product descriptions and images. Both manufacturers and distributors can be registered.

Integrated Fiber Optic Solutions

FiberTech Optica is a leader in the design and manufacture of specialty fiber optic solutions for applications including spectroscopy, astronomy and space, process control & remote sensing,

10 Best Fiber Optic Manufacturers & Suppliers for 2026

Many companies now produce fiber solutions, yet only a few stand out for consistent performance and trusted supply. This guide highlights the top ten manufacturers and suppliers

SQS | Fiber Optics & Laser Systems

SQS specializes in custom fiber optic products and laser systems. Discover our V-groove & 2D matrix fiber arrays, feedthroughs, bundles, light guides, collimators, and cable assemblies.

Find & Compare Optics | Photonics Services

Search for and compare optical components from manufacturers around the world, or for custom jobs we''ll match you with an industry expert service provider.

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NAI: Global Leader in Custom Interconnect Solutions

As a full service interconnect solutions company, NAI''s manufacturing capabilities for fiber optic cable interconnects include a long list of fiber optic products. We

Incom / Enabling the Vision of Tomorrow / The Leader

Fiber Optic Button Array Incom''s fiber optics enable a novel approach to dynamic video buttons. Customizable buttons and knobs can now display graphics,

viaPhoton

viaPhoton is a technology company that provides fiber-based infrastructure solutions. It offers various products which include fiber trunks, fiber arrays, patch cords, trunk modules, and

China Top 10 Fiber Optic Cable Manufacturers in 2025

The fiber optic cable industry in China has solidified its position as a global powerhouse, driving the expansion of high-speed networks, 5G

Photonics Suppliers | Suppliers | Photonics Buyers'' Guide | Photonics ...

Explore top photonics and optical component manufacturers in our comprehensive buyers'' guide. Compare suppliers of lenses, lasers, cameras, filters, s

Fiber Array Units | FAUs for Next-Generation (Next-Gen

Learn more about Corning fiber array units (FAUs) delivering ultra-precise fiber alignment with low insertion loss and high optical return loss.

10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions. See who tops the list for quality and innovation.

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This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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