Fiber Array Equipment Manufacturers

Overview

Fiber Optic Arrays Manufacturers and Suppliers in the USA and CanadaFind Fiber Optic Arrays Manufacturers and Suppliers in the USA and Canada on Thomasnet.

Key Takeaways

Leading fiber array manufacturers include PHIX Photonics, Optek Systems, Olantech, Broadex Technologies, Fi-ra Photonics, Shenzhen TYKOFIBER, and Zhejiang Pusen Communication Technology.Key Manufacturers and Offerings

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PHIX Photonics Assembly specializes in high-precision v-groove fiber arrays for photonic integrated circuits (PICs), covering ultraviolet to infrared wavelengths, with channel counts up to 64. They offer standard and custom fiber arrays, including polarization-maintaining (PM) and multi-mode types, as well as lensed fiber arrays and spot size converters for efficient PIC coupling . PHIX also provides contract manufacturing and hybrid assembly services for telecommunications, industrial, automotive, medical, space, and military applications . Optek Systems produces Fiber Array Units (FAUs) and multifiber assemblies for high-density, high-bandwidth applications in telecommunications, data centers, silicon photonics, defense, and medical sectors. Their proprietary laser technology enables precision fiber processing, lensing, and hermetic packaging . Olantech manufactures PLC-type optical splitters and fiber arrays with high reliability under harsh environmental conditions, compliant with Telcordia GR-1209-CORE and GR-1221-CORE standards . Broadex Technologies focuses on planar lightwave circuit (PLC) products, offering expertise in optical design, testing, and packaging of fiber arrays and splitters . Fi-ra Photonics Co., Ltd. produces PLC splitters and fiber arrays for FTTH networks, providing standard and custom solutions . Shenzhen TYKOFIBER Co., Ltd. specializes in optical components including fiber arrays, pigtails, collimators, and PLC chips, with a focus on research, development, and manufacturing . Zhejiang Pusen Communication Technology Co., LTD offers optical communication devices and fiber array solutions for FTTx applications, integrating development, production, and service .

Applications and Capabilities

Fiber arrays from these manufacturers are used for:

• Coupling to photonic integrated circuits (PICs) with micron or sub-micron alignment precision .

• Coherent beam combining and high-power fiber amplifier arrays.

• Optical switching in high-density datacom and MEMS-based systems.

• Telecommunications and FTTH networks, including PLC splitters and multi-channel fiber assemblies. Many manufacturers provide custom configurations, including specific fiber types, connectorization, spot size converters, and lensed fiber arrays for free-space or on-chip coupling . These companies collectively cover a wide range of fiber array technologies, from standard stock units to fully customized, high-precision assemblies suitable for research, industrial, and commercial applications.

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Article Content

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

This buyer''s guide for fiber arrays provides technical background, comparison of major types, selection

Our offering

Our products and services include prototype and volume photonic packages, fiber arrays with optional

Fiber optic array manufacturer, linear and 2D fiber optic

Combining deep expertise in optical and mechanical tolerances with advanced custom manufacturing

Fiber Optic Systems Inc. (FSI) | Fiber Optic Solutions

Discover cutting-edge fiber optic solutions from FSI. We offer custom and standard products for medical,

Fiber Array Assemblies

SENKO''s Fiber Array and Assemblies meet industry requirements and demand High precision fiber array components Available for

Fiber Arrays – 1D, 2D, packaging, fiber endfaces,

Fiber arrays are 1D or 2D arrays of optical fibers, used for coupling to photonic circuits, telecom signals,

Fiber Array Unit (FAU) | Orbray Co., Ltd.

Optical fiber array units (FAU) are essential devices for high-precision connection of optical waveguide elements and optical fibers in

Optical Assemblies and Arrays

Phillips Medisize Fiberguide custom fiber optic assemblies provide a diverse range of products and capabilities for a wide array of

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Berkshire Photonics is an experienced, highly-regarded provider of Specialty Optical Fiber solutions. We

Fiber Optic Manufacturer And Supplier in US | Amerifiber

At Amerifiber, we''re more than just a fiber optic cable supplier. We''re a full-service, customer-first manufacturer and

Fibermart

Fibermart provides fiber cables, pigtails, optical components, fiber tools and integrated network solutions worldwide

10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions.

Fiber Arrays

PHIX offers v-groove optical fiber arrays from stock, suitable for assembly to photonic integrated circuits

Fiber Array

Custom Fiber Array Manufacturer About Fibconet Providing Custom Fiber Optic Array Design&Solution FIBCONET

Our offering

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FAU and Multifiber Assemblies | Optek Systems

FAU (Fiber Array Unit) multifiber assemblies offer high-density, high bandwidth solutions for the new era of fiber optic applications,

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Paulsson, Inc. | Fiber Optic Sensing Solutions | Pipeline Monitoring ...

Paulsson is a leader in advanced optical sensing solutions, specializing in fiber optic, seismic, acoustic, pressure, and temperature

QPC Fiber Optic, LLC

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We specialize in designing and manufacturing fiber optic connectors, fiber optic cable assemblies, and custom fiber optic products for

Fiber Arrays

Our offering covers the wavelength range from ultraviolet to infrared, channel counts up to 64, and various

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