

Polymicro Technologies™ Optical Fiber Bundle Assemblies

Delivering high-power optical fiber bundles, Polymicro Technologies™ Customized Optical Fiber Bundle Assemblies are produced from raw material to final product in one location for unparalleled customization and cost savings

Features and Benefits

Fully bundled optical fiber assemblies from a single source

Offers virtually unlimited options with design support, production, and assembly. Provides significant cost savings

Dense fiber count – up to thousands of fibers in one assembly

Enables design flexibility, simplicity, and adaptability. Maximizes the number of fibers in the bundle while minimizing empty, wasteful space

Fused bundling

Eliminates epoxy, fluorescence, and inter-fiber spaces. For use in high-temperature applications requiring high-power density, lamps, and lasers

High-precision fiber arrays

Designed for superior power throughput as well as input-output shape conversion. Includes both illumination and detection fibers in the same assembly

Ruggedized bundling conduit

Able to withstand a wide variety of operating conditions

Applications

Industrial

Material Processing
UV Curing
Laser Welding/Soldering/Marking
UV Photolithography
UV Spectroscopy
High Temperature Spectroscopy
Sensors
Analytical Instruments

Scientific

UV Illumination and Monitoring
UV Raman Spectroscopy

Bundle Arrangement

Highest Fiber Packing Fraction

Bifurcated
Mapped
Multi-Legged
Random
Single
Trifurcated



Optical Fiber Bundle
Stainless Steel Jacket
16 SMA 905 Connectors and
One Common-End Custom Connector



Optical Fiber Bundle



High-Precision Fiber Array



Input-Output Shaped Converter

Order No. 987651-2372

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