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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fully bundled optical fiber assemblies from a single source</td>
<td>Offers virtually unlimited options with design support, production, and assembly. Provides significant cost savings</td>
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<tr>
<td>Dense fiber count – up to thousands of fibers in one assembly</td>
<td>Enables design flexibility, simplicity, and adaptability. Maximizes the number of fibers in the bundle while minimizing empty, wasteful space</td>
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<tr>
<td>Fused bundling</td>
<td>Eliminates epoxy, fluorescence, and inter-fiber spaces. For use in high-temperature applications requiring high-power density, lamps, and lasers</td>
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<tr>
<td>High-precision fiber arrays</td>
<td>Designed for superior power throughput as well as input-output shape conversion. Includes both illumination and detection fibers in the same assembly</td>
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<tr>
<td>Ruggedized bundling conduit</td>
<td>Able to withstand a wide variety of operating conditions</td>
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</tbody>
</table>

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

Order Information

<table>
<thead>
<tr>
<th>Custom Product</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Molex</td>
<td>Optical Fiber Bundle Assemblies</td>
</tr>
</tbody>
</table>

www.molex.com/polymicro/fiberopticassemblies.html