



FIBER MANUFACTURING

Oplatek is the leading Nordic provider of specialty optical fibers and capillaries.

- Silica UV-VIS and VIS-NIR fibers
- Silica capillaries
- Fiber coating (acrylates, silicone, polyimide, biocompatible)
- PCS (polymer coated silica) UV-VIS and VIS-NIR
- Double clad VIS-NIR
- Acrylate buffering
- Fiber proof testing and quality assurance

Fiber processing capabilities

- Cleaving, tapering, fusing and splicing of fibers
- Collapsing of capillaries
- Thin film coatings (metallic and dielectric) at fiber tips or connectors
- Customized optomechanics for connectors (ferrules, frames etc.)
- Grinding and polishing of connector ends, fiber tips etc.

Applications for Oplatek fibers and capillaries

- LIFE SCIENCES AND ANALYZERS (optical cables and fiber bundles for clinical chemistry, rapid test systems, photodynamic therapy etc.)
- MEASUREMENT SYSTEMS (probes for measuring, fibers for spectroscopy, hyperspectral analyzers etc.)
- SPECIALTY LIGHTING SYSTEMS

- HIGH-POWER LASERS

Capabilities in high-power lasers

- Pump fibers for pumping fiber lasers (power levels up to 400 W)
- Multi-kW passive delivery fibers for beam delivery
- Diode pump connectors
- Capillaries for incoupling and combining fibers
- End-capped fibers
- Back access fiber connectors
- Testing of high power performance

Privacy Policy