



**SCHOTT**  
glass made of ideas

## Smart Dentistry

Fiber optic lighting solutions  
for dental devices



## More than brighter lighting – SCHOTT fiber optic solutions

For more than 50 years, SCHOTT has been doing pioneering work in the fields of light and image transmission. Especially in dentistry, where workspace is limited, providing doctors with high-quality instruments is a real challenge. A challenge we help our partners rise to with customized lighting solutions.



**Illumination for dental handpieces** | To perfectly fit the tight space of your instrument, our highly precise light guides feature complex customized 2D and 3D geometries. High performance slim light guides of SCHOTT PURAVIS® special glass allow to miniaturize your instrument footprint.



**New diagnostic applications** based on fluorescence (e.g. cancer screening) can now be integrated into your instrument.



**Light guides for dental curing, phototherapy and diode laser applications** | With our fully autoclavable and chemically resistant light guides we help you to overcome the increasing challenges of the dental industry (e.g. compliance with standards of hygiene throughout the whole product life). Our high performance glass PURAVIS® enables shorter treatment time.



**Our light guides** are well-suited for caries detection systems and applicators for diode lasers in phototherapeutic treatments, due to the extended wavelength spectrum.



**Digital x-ray** | SCHOTT not only enables excellent light but also images: Our fiber optic faceplates are an essential part of intraoral and panoramic x-ray systems where they protect the sensitive sensor from x-ray radiation and enhance significantly signal-to-noise ratio.



**PURAVIS® special glass – a class of its own in performance**

PURAVIS® is a glass innovation developed by SCHOTT offering unique advantages:

- Superior light performance
- Ready for fluorescence applications
- Long-term RoHS compliant – eco-friendly
- Increased break resistance

Lighting and Imaging

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