ACKTAR

ULTRA-BLACK COATINGS & FOILS

• suppress stray light
• absorb laser power
• create high emissivity
WHY
Ultra-black coatings for endoscopy

• Improving the image quality in endoscopy systems
  • By suppressing and absorbing scattered light
• Increasing the sensitivity & contrast
  • By reducing noise and background signal on the sensor
• Working with reliable and harmless materials
  • Bio-compatible and cytotoxicity tested, RoHS + REACH compliant
HOW
Ultra-black coatings for endoscopy work

- Unique and proprietary vacuum deposition process
- High absorption rate in a broad wavelength range UV-VIS-IR (suitable for new diagnostic approaches like SMWIR, hyper spectral, etc.)
- Applicable on numerous medical grade materials
- Thin and reliable coating layer (3-5µm only)
- Highly conformable to sharp edges (apertures!) and complex geometries (lens barrels!)
- Durable, temperature resistant, sterilizable
- Bio-compatible and cytotoxicity tested
- RoHS + REACH compliant

SPEAKER: Alexander Telle, CEO – ACM Coatings GmbH – subsidiary of Acktar Ltd.
EVENT: EPIC Online Technology Meeting on Endoscopy
**What can we do for you?**

- Making high-performance optical systems possible
- Ultra-black direct coating as a service
- Complete manufacturing including machining and coating (especially for endoscopic apertures and lens barrels)
- Ultra-black foils and die-cuts

**What can you do for us?**

- New application ideas
- Tests and qualifications under various demanding conditions
- R&D collaborations and projects
- Improving the coating performance (e.g. mechanical resistance)

Let's make EPIC stuff together!

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