

# ACKTAR

## ULTRA-BLACK COATINGS & FOILS

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- suppress stray light
- absorb laser power
- create high emissivity



**Acktar**

Advanced Coatings

## 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

SPEAKER: Alexander Telle, CEO – ACM Coatings GmbH – subsidiary of Acktar Ltd.  
EVENT: EPIC Online Technology Meeting on Endoscopy

ACM is a proud member of



**ACM** coatings



# HOW

Ultra-black coatings for endoscopy work

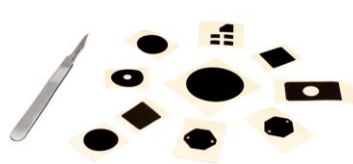
## ACKTAR ULTRA-BLACK DIRECT COATINGS

on your optical & mechanical components



## ACKTAR ULTRA-BLACK COATED FOILS

for assembling to your components



- 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

## 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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