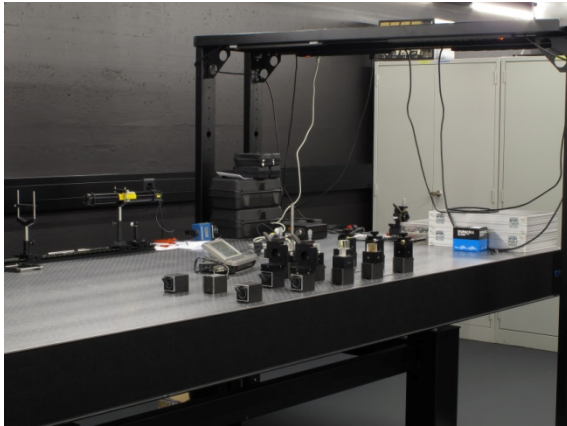


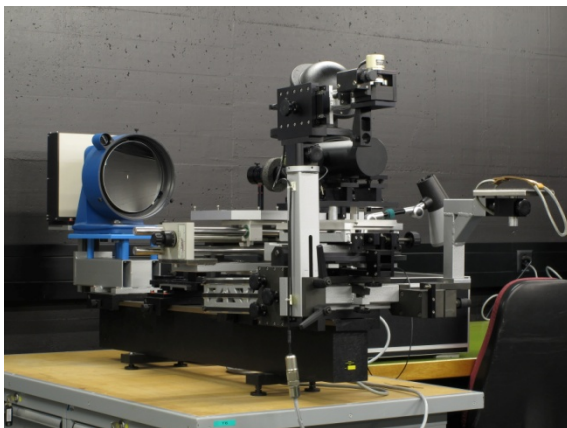


Thun Optronics Laboratory

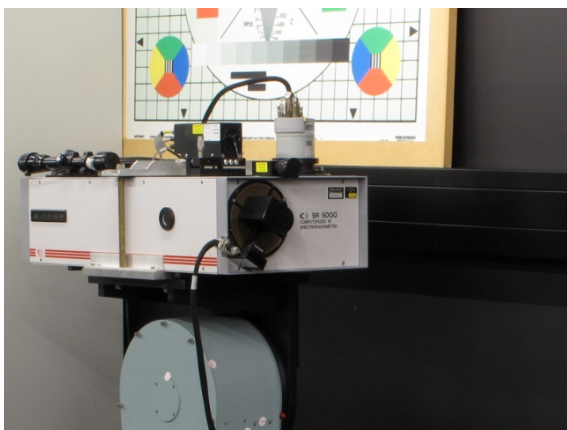
For the specific characterisation of optronics equipment and current camouflage materials state-of-the-art laboratories are available in Thun. They are used to carry out experimental investigations of optical light/laser sources and various detectors in the relevant electromagnetic spectrum. Likewise materials are tested for their spectroscopic properties. Thanks to mobile instruments all laboratory measurements can also be carried out in the field.



Optical table



Test bench for night vision equipment



Spectrometer

Technical data

- State-of-the-art instrument park for use in the laboratory and in field tests
- Infrared (IR) cameras in the range from 0.85 μm to 13 μm
- Laboratory and field spectrometers (UV to LWIR)
- Leica universal test bench (testing of night vision equipment / cameras / telescopes)
- Various laser and IR sources
- Various black bodies
- Collimators in visible (VIS) and infrared (IR)

Characteristics / description

- Specify, evaluate and accept sensors (FLIR) and systems in the field of electro-optic protective measures (flares, DIRCM)
- Spectroscopic investigations in the field of camouflage materials (nets, camouflage suits, mobile camouflage kits)
- Test the efficiency and performance limits of modern night vision equipment and IR reconnaissance systems
- Measuring and analysis of IR signatures of a great variety of objects (vehicles, flying objects, etc.)
- Safety investigations in the field of lasers and high-performance light sources