

FR-Mic-Adaptor: Optical microscope adaptor for spot size down to 5µm

FR-Mic-Adaptor is an FR-pRo accessory for use with trinocular microscopes with C-mount. It is the ideal accessory for applications that require spot size as small as very few microns. With FR-Mic, local film thickness, optical constants, reflectance, transmission, and absorbance measurements across the spectral range of FR-pRo and microscope, is just a matter of a click.



With FR-Mic-Adaptor, **any trinocular optical microscope with C-mount is converted into a powerful coating characterization tool** capable to measure film thickness down to 20nm.

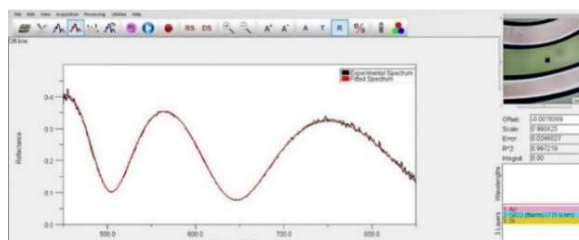
FR-Mic-Adaptor comes with a high-resolution USB camera that allow simultaneous observation of the probed area and local characterization of coatings.

For its operation, FR-Mic-Adaptor, needs to be connected to an appropriate FR-pRo unit.

The installation of the accessory is straight forward and does not affect the specifications and operation of the optical microscope.

Applications

- **Universities & Research labs**
 - **Semiconductors** (Oxides, Nitrides, Si, Resists, etc.)
 - **MEMS devices** (Photoresists, Si membranes, etc.)
 - **LED**
 - **Data Storage**
 - **Anodization**
 - **Hard/Soft coatings on curved substrates**
 - **Polymer coatings, adhesives, etc.**
 - **Biomedical** (parylene, balloon wall thickness, etc.)
- And many more...



* The FR-pRo should support the spectral range of the microscope. Because of the limitations of the lenses of the optical microscopes usually the minimum wavelength of operation is 400nm.