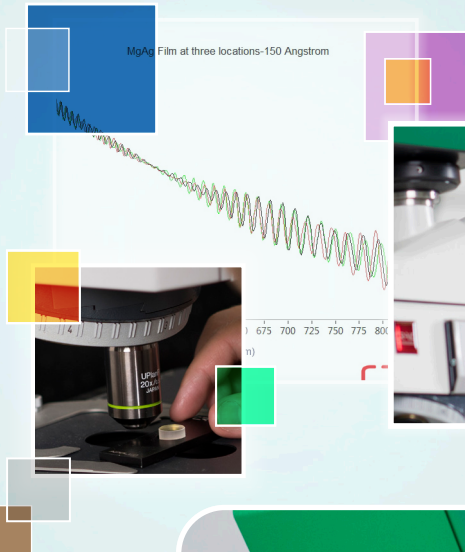


## Rugged and Reliable Microspectroscopy

The **FLEX PRO™** microspectrophotometer is designed to measure the spectra of microscopic samples from the deep ultraviolet to the near infrared easily and economically. FLEX PRO™ is capable of transmission, reflectance, fluorescence, polarization and Raman microspectroscopy as well as high resolution, color imaging. FLEX PRO™ from CRAIC Technologies incorporates years of experience to design and build an affordable yet highly capable instrument perfect for the laboratory or the production floor.

With a modular design, FLEX PRO™ features Lightblades™ spectrometers, Scorpii™ Advanced Illumination system, a custom UV-visible-NIR range microscope and Lambdafire™, sophisticated instrument control and data analysis software. Thermoelectric cooling of the CCD detectors is offered to further enhance instrument stability and reduce dark counts. High resolution color imaging makes FLEX PRO™ simple to use and provides a host of image analysis tools in addition to spectroscopy. The spectral analysis capabilities of Lambdafire™ software are used for sophisticated data analysis. By combining all these features, the result is FLEX PRO™, a powerful and rugged instrument built for many years of productive work.

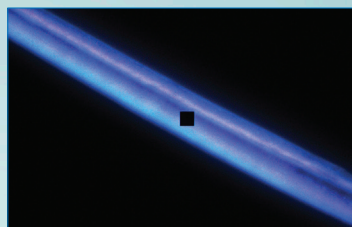


### **FLEX PRO™ Key Features:**

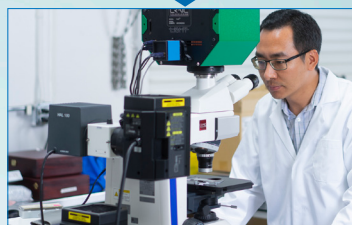
- Confocal spectroscopy of even sub-micron samples.
- Multiple spectroscopy techniques combined in one instrument.
- Capable of film thickness, Raman and 5d spectral mapping.
- Permanently calibrated, absolutely reproducible measurement areas.

## SPECIFICATIONS

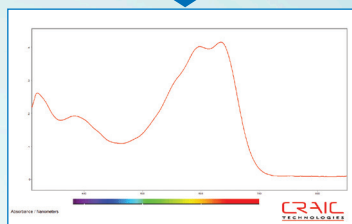
Types of Microspectroscopy	Absorbance, Reflectance, Fluorescence, Photoluminescence, Polarization, Kinetics, Raman
Microspectrometer Spectral Range	240-900 nm
High Resolution Color Imaging	Included
Fluorescence Excitation	365 - 546 nm
Fluorescence Emission	400 - 900 nm
Lighting System	Scorpii™ with SampleSafe™ technology
Spectrometer	Lightblades™
Sampling Area	Variable from 1 to 10,000 microns <sup>2</sup>
Reproducible Sampling Areas	Absolute
Detector Cooling	Thermoelectric
Spectral Resolution	User selectable, 1 - 15 nm
Full Spectrum Scan	14 milliseconds
Thin Film Thickness	From as thin as 5 nm
Full Automation	Available
5D Spectral Mapping	Available
Operating System	Windows



The FLEX PRO™ features UV-vis-NIR spectroscopy combined with Raman, kinetics and more.



A powerful yet cost effective instrument designed for your toughest problems.



UV-visible-NIR absorbance spectrum of a single blue textile fiber.

## Spectral Range



## Calibration Standards

- ☐ Transmittance Standards traceable to NIST
- ☐ Reflectance Standards traceable to NIST
- ☐ NIST Raman Standards
- ☐ Vitrinite Coal Reflectance Standards
- ☐ Fluorescence Standards

## System Software

- ☐ rIQ™ Glass Refractive Index
- ☐ 5D Spectral Mapping
- ☐ Thin Film Thickness Measurement
- ☐ TimePro Kinetics™
- ☐ Colorimetry
- ☐ Statistical Analysis

## Accessories

- ☐ Quartz Slides and Coverslips
- ☐ CRAIC Certified Lamps
- ☐ Quartz Wellplates
- ☐ Specular Reflectance Material

## Illumination Packages

- ☐ Transmission/Absorbance UV-VIS-NIR
- ☐ Reflectance UV-VIS-NIR
- ☐ Fluorescence UV-VIS-NIR
- ☐ Photoluminescence
- ☐ Polarization

## Spectrometer Packages

- ☐ Visible-NIR range, 350-1000nm
- ☐ UV-Visible-NIR range, 200-900nm
- ☐ NIR range, 900-1700 nm
- ☐ Raman

## Microspectroscopy Stages

- ☐ Manual XY
- ☐ Rotating & XY, 360deg/30mm x 40mm
- ☐ Semi-Rotating stage, up to 240deg
- ☐ Programmable XY Stage

