

ffTA-1™

foster+freeman

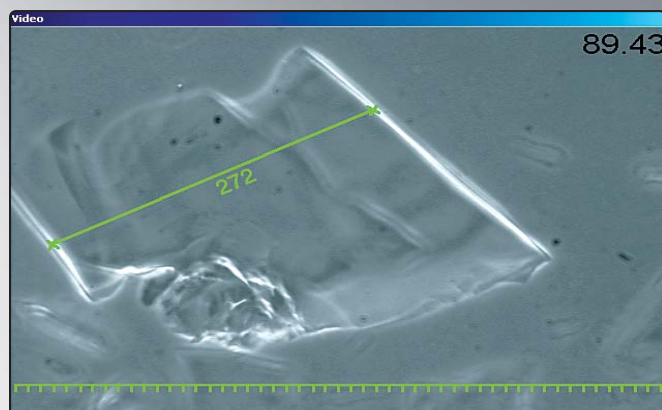
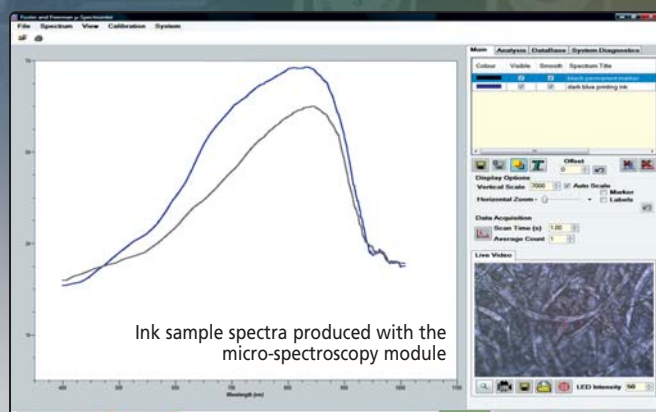
**MULTI-FUNCTIONAL SYSTEM FOR
THE ANALYSIS OF TRACE EVIDENCE**



PRELIMINARY ANNOUNCEMENT
**NEW
PRODUCTS**
PRELIMINARY ANNOUNCEMENT

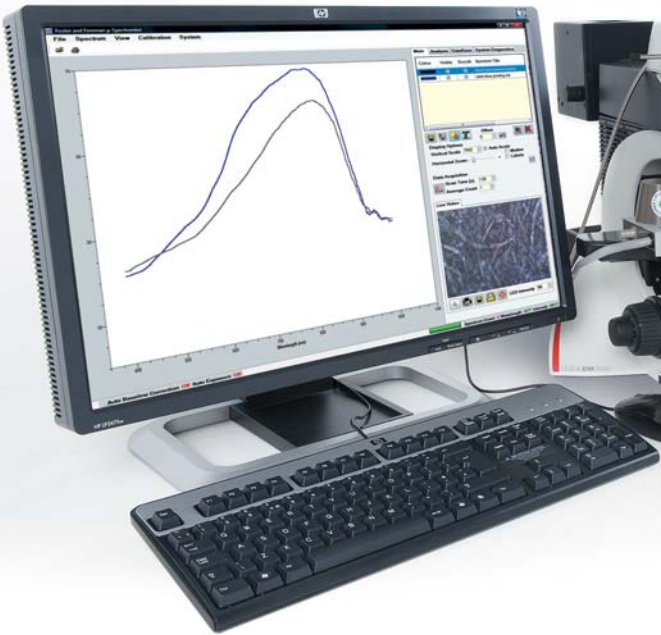
ffTA-1™ is a new concept from Foster & Freeman ...a system that provides a range of analytical facilities on a single microscope. Using an optical multiplexer the operator is able to switch the image from one function to another to perform a range of forensic examinations

- Glass RI measurements with GRIM3
- Micro-spectroscopy
- Image processing and comparison
- *Additional modules for fluorescence imaging and Raman spectroscopy are currently under development*



ffTA-1™

MULTI-FUNCTIONAL SYSTEM FOR THE ANALYSIS OF TRACE EVIDENCE



Above: Multiplexer with 5 megapixel CCD camera for image processing and the fibre-optic feed to the micro spectrometer.

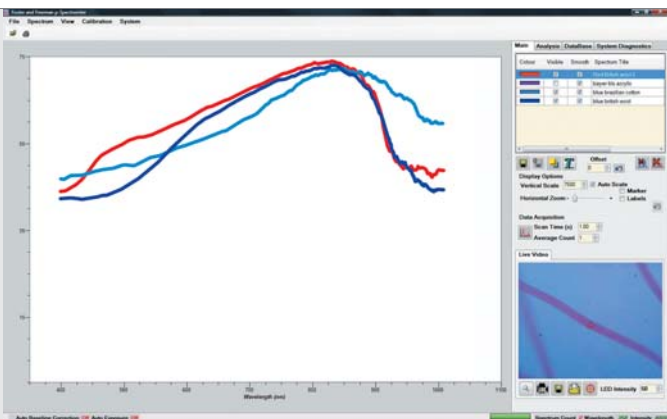
A new concept in forensic analysis and examination

- GLASS RI MEASUREMENTS**
 This module installs the standard GRIM®3 system for determining the refractive indices of glass using the oil immersion/temperature variation technique and comprises a Mettler hotstage, phase contrast optics, CCD camera and the full GRIM®3 software package.
- IMAGE PROCESSING AND COMPARISON**
 A software package processing images from a 5 megapixel CCD colour camera mounted on the ffTA-1™ image optical multiplexer. Functions available include image enhancement, a range of live and stored image comparison methods, image grey level and spatial reversals, rotations and measurements.
- MICRO-SPECTROSCOPY**
 A fibre-optic coupled, high sensitivity, high dynamic range spectrometer providing spectra from 400 to 1000nm with a sub - 5nm resolution. With the appropriate light sources installed the spectrometer provides reflectance, transmission and fluorescence spectra from samples in the 1.5 to 12 microns range. Applications include analysis of fibres.



Above: Glass RI measurements using the GRIM3 module

Below: Fibre spectra produced with the micro-spectroscopy module



SYSTEM OPTIONS

	PRODUCT CODE
ffTA-1™ with glass RI measurement	ffTA/SYS/RI
ffTA-1™ with image processing and comparison	ffTA/SYS/IP
ffTA-1™ with image processing, comparison and micro-spectroscopy	ffTA/SYS/IP/MS
ffTA-1™ with RI measurement, image processing, comparison and micro-spectroscopy	ffTA/SYS/COM
ffTA-1™ complete system for RI measurement and image capture/processing	ffTA/SYS/IPRI

For full system specifications please contact our Sales Office



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