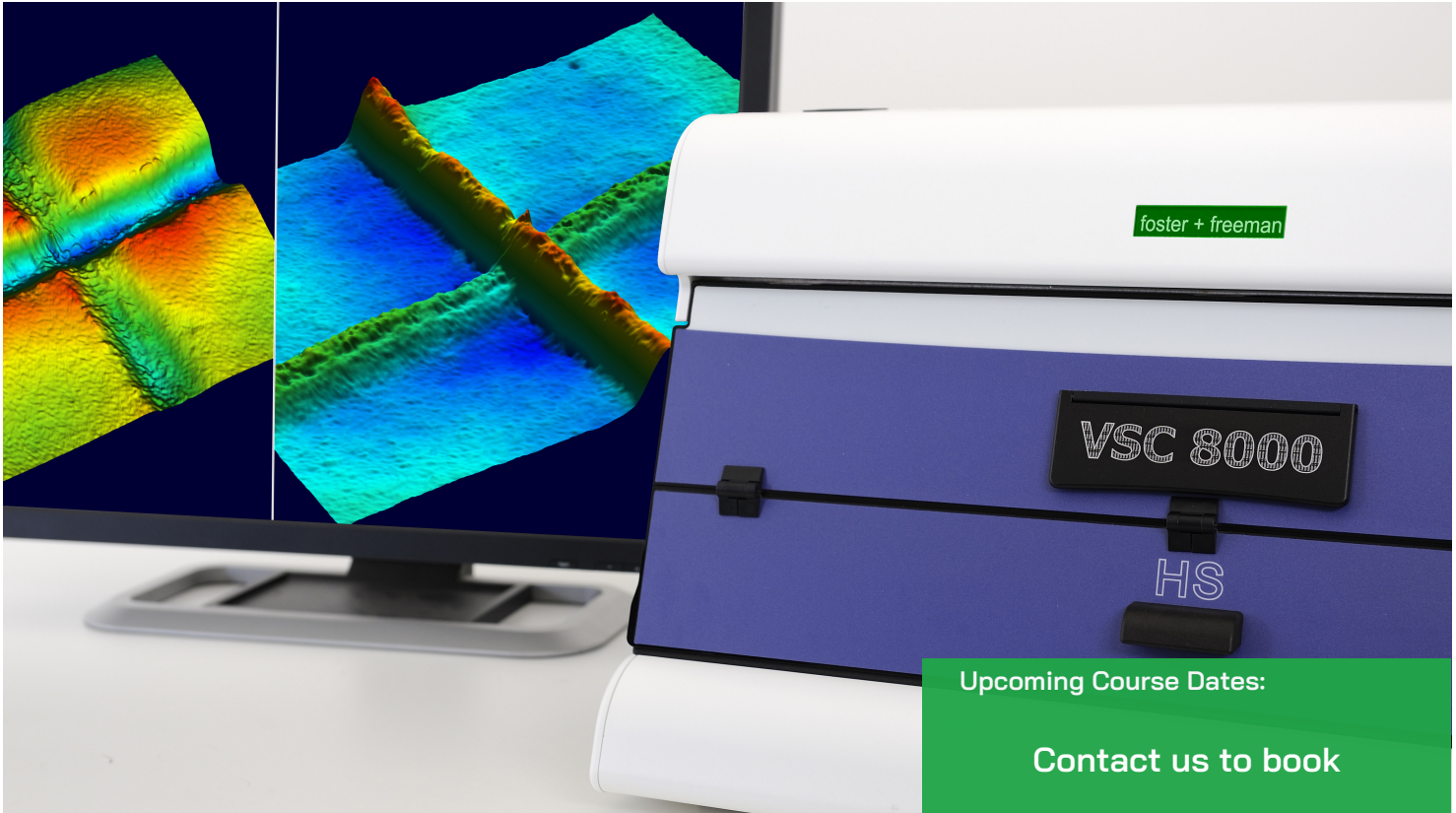


# Document Examination With The **VSC 8000HS**<sup>®</sup>



Upcoming Course Dates:

Contact us to book

Contact: [sales@fosterfreeman.com](mailto:sales@fosterfreeman.com)

## 3-day practical training course to enable delegates to understand the features of the VSC 8000HS

Questioned document examiners are required to utilise a range of technologies in order to verify the authenticity of questioned documents.

During this hands-on advanced VSC 8000HS course, we will deliver tailor made training to suit the needs of the individual customer to ensure they're utilising their VSC8000HS system to it's full effect for their commonly encountered evidence types.

Understand the tools and techniques required for effective questioned document examination.

### Course Details

<b>Duration:</b>	3 days
<b>Level:</b>	Advanced
<b>Products:</b>	VSC8000HS Keeping Databases E-Readers
<b>Location:</b>	foster+freeman Evesham, UK  Customer Site
<b>Delegates:</b>	4 - 8 at foster+freeman Up to 5 at customer site
<b>Language:</b>	English (translator optional)
<b>Assessment:</b>	Written/Practical

Led by our team of Questioned Document Examination Product Specialists, training will include a mix of guided practical sessions, interactive presentations, and group discussions.

Advanced training will be tailored to the needs of the individual customer to ensure they're utilising their VSC 8000HS system to its full effect for their commonly encountered evidence types. This may include revisiting areas covered during introductory training in more detail or covering additional topics which may not be covered as part of an introductory training course. Below is an example of what the 3 day advanced course may look like. Our basic and advanced courses can be combined into a 5 day course.

Day 1:		
<p><b>Content:</b></p> <ul style="list-style-type: none"> <li>• Introduction to foster+freeman</li> <li>• Recap of light sources and basic examination tools with various different samples</li> <li>• Factory tour</li> </ul>	<p><b>Methodology:</b></p> <ul style="list-style-type: none"> <li>• Presentation</li> <li>• Demonstration</li> </ul>	<p><b>Outcomes:</b></p> <p>Delegates will gain an understanding of different Questioned Document Examination applications and what features the VSC offers to aid this.</p>
Day 2:		
<p><b>Content:</b></p> <ul style="list-style-type: none"> <li>• Spectrometer in detail, covering all 4 analysis modes, using various types of samples.</li> <li>• Interpretation of spectra</li> <li>• Chromaticity coordinates in detail.</li> <li>• Spectral averaging, normalisation, and difference. Intensity scaling.</li> <li>• Spectrometer calibration</li> <li>• HSI, creating and replaying an image stack.</li> <li>• Recording "spectra" of selected position in image stack.</li> </ul>	<p><b>Methodology:</b></p> <ul style="list-style-type: none"> <li>• Presentation</li> <li>• Demonstration</li> <li>• Practical session with VSC and relevant training samples</li> </ul>	<p><b>Outcomes:</b></p> <p>Delegates will have been fully versed in Spectrometer analysis and interpretation.</p>
Day 3:		
<p><b>Content:</b></p> <ul style="list-style-type: none"> <li>• Mega pixel capture including pixel stepping for A4 and ID3 sized documents.</li> <li>• Creating and setting up macros.</li> <li>• False colour settings and pseudo colour</li> <li>• Focal plane merging</li> <li>• VSC accessories</li> <li>• Advanced VSC calibration procedures.</li> <li>• Assessment</li> <li>• Final certification</li> </ul>	<p><b>Methodology:</b></p> <ul style="list-style-type: none"> <li>• Presentation</li> <li>• Demonstration</li> <li>• Practical session with VSC and relevant training samples</li> </ul>	<p><b>Outcomes:</b></p> <p>Delegates will have an understanding of all VSC technologies and should be able to successfully interrogate a range of questioned documents.</p>

## Example Content:

The VSC Advanced Course will be customised to suit the needs of the individual customer. Below is a list of example content that may be added to your course. The course content will be planned with the customer to ensure it covers relevant training areas for their commonly encountered evidence types.

### Advanced spectral examination

- Understanding how to measure reflectance, absorption, transmittance, and fluorescence using the spectrometer.
- In depth interpretation of the spectra
- Spectral averaging, normalisation, and difference
- Understanding chromaticity coordinates
- Calibration & verification of spectrometer

### Advanced imaging modes

- Capturing high resolution images using the megapixel capture tool
- Capturing images at different focal planes and dealing with depth of field issues

### Advanced examination techniques

- Hyperspectral Imaging
- Creation and operation of macros
- Revealing MIC (Machine Identifiable Code)/Printer Steganography
- False colour image display (IR absorption, spot fluorescence, bandpass composite colour)
- Isolate colour

### Other

- Calibration
- Utilising accessories alongside the VSC

