



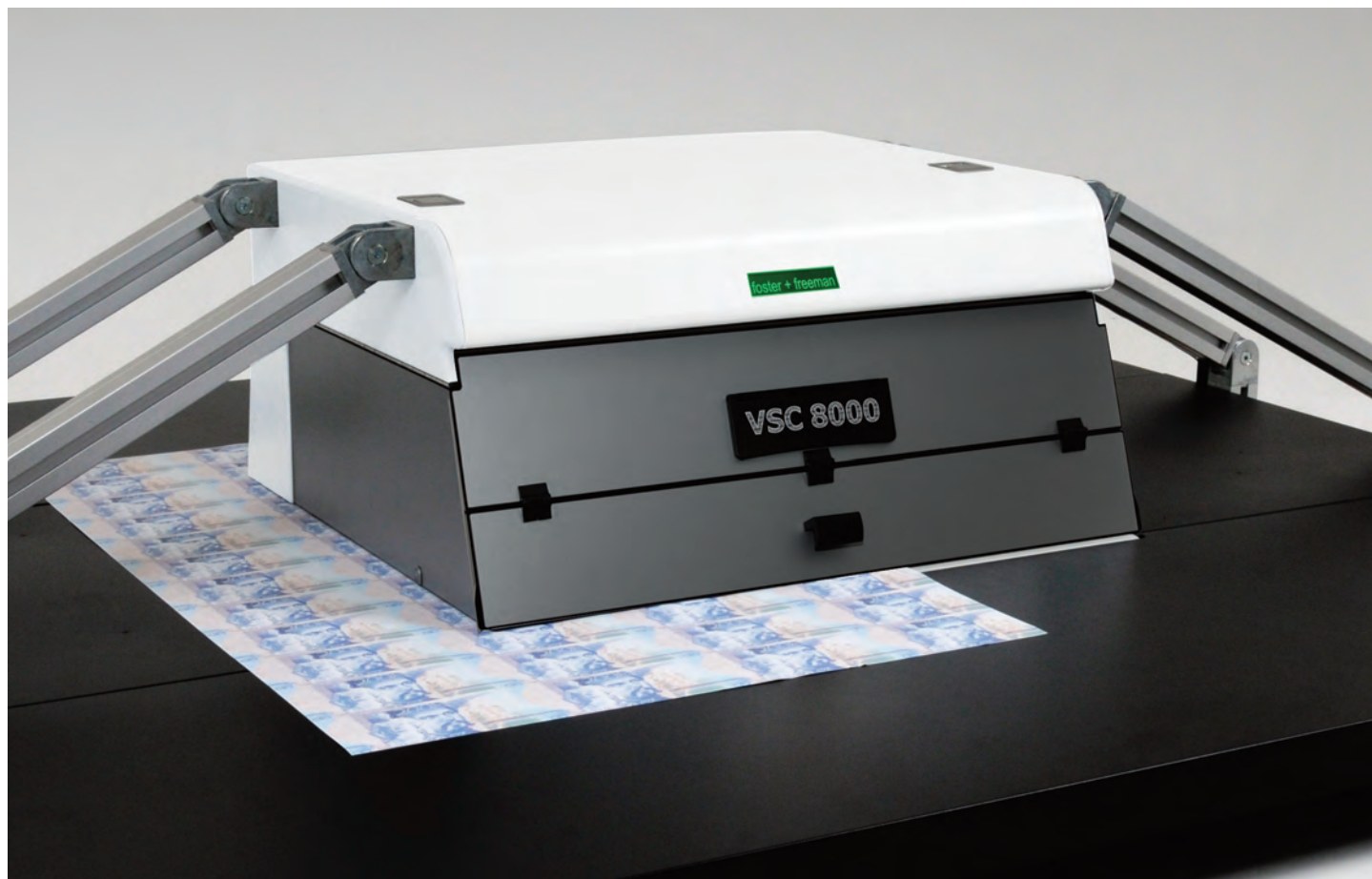
VSC[®] 8000/LF

LARGE FORMAT VIDEO SPECTRAL COMPARATOR
for Questioned Document Examination

foster+freeman

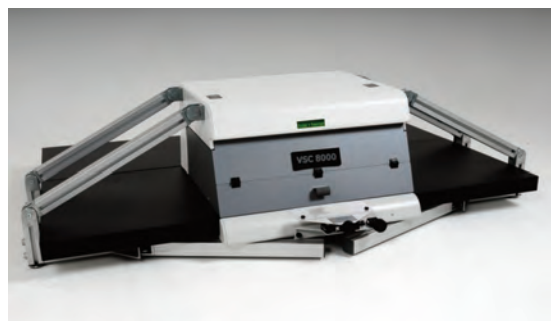
VSC® 8000/LF MULTI-SPECTRAL IMAGING OF LARGE DOCUMENTS, SECURITY PRINTING AND WORKS OF ART

The VSC®8000/LF provides the same sophisticated digital imaging and multi-wavelength LED technology as the company's standard VSC®8000 workstation but with a large examination bed for the examination of very large documents and works of art.



Raised above a large examination bed, the VSC8000/LF enables document examiners to:

- Detect security features and alterations
- Examine documents and works of art in the infrared
- Generate and examine fluorescence emissions
- Compare images side by side and overlaid



Trusted Technology

The VSC®8000/LF's advanced design is foster+freeman technology at its best, trusted by immigration authorities, government agencies and forensic examiners worldwide

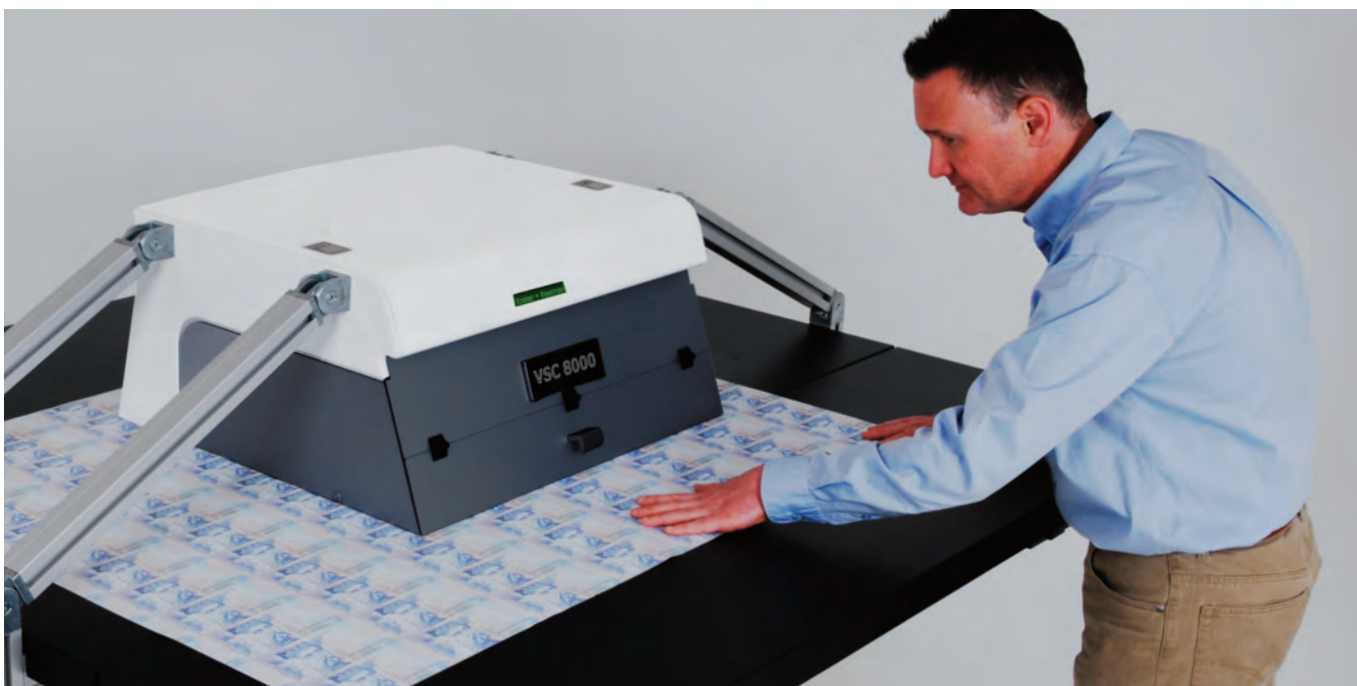
Reveal Detail

Using a combination of examination tools observe covert security features, confirm document authenticity, or reveal evidence of forgery.

Excellent Image Quality

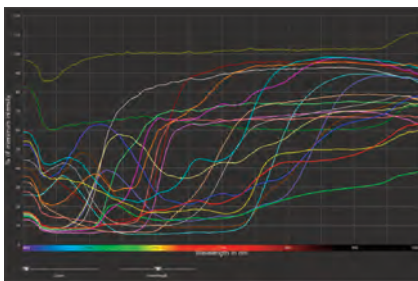
Using **SRI** Super Resolution Imaging, the VSC®8000/LF provides sharp, bright images of documents at the highest magnification

VSC® 8000/LF SYSTEM FEATURES



SRI Technology

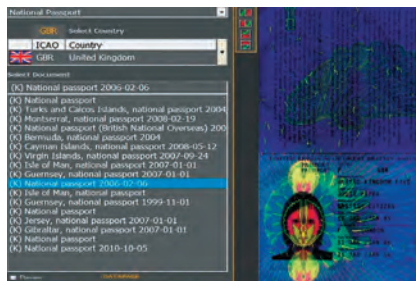
Unique to the VSC®8000 and VSC®8000/LF, Super Resolution Imaging (**SRI**) is an optical system providing excellent clarity and image resolution of documents up to A4/Letter size.



Microspectrophotometer

Non-destructive spectral analysis of documents can identify differences in ink and paper formulations.

Absorption, Reflectance, Fluorescence & Transmitted spectra can be captured in real time and displayed on-screen in a simple graphical format.



Document Databases

Create in-house databases for checking questioned documents against the authentic or subscribe to regularly updated Banknote and Security Document databases.



Integrated XY Stage

A motorised XY translation stage allows fast and precise positioning of documents at high magnification.

Smooth sub-millimetre movements are controlled via simple on-screen controls.

VSC® 8000/LF ACCESSORIES

For further information on any of the accessories listed below, please see the 'VSC8000 Accessories' datasheet.

Document and banknote databases

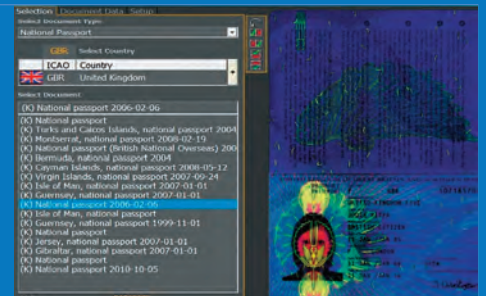
Two reference databases showing the security features found on travel documents, including passports and ID cards, and banknotes.

Banknotes database

Information and images banknotes from 184 countries

Security Documents database

Information and images of passports, ID cards and Driving Licences from 197 countries



Microscope Options

A range of high magnification imaging systems providing input into the VSC®8000 via a high resolution video camera. For full details see 'VSC Microscopes' datasheet



Nikon Microscopes

Contact Foster+Freeman to request further details



Leica Microscopes

Contact Foster+Freeman to request further details

DVM Microscope

Digital Video Microscope with UV & white light LEDs provides up to x2290 magnification

PVM Microscope

Portable Video Microscope with 3x optical zoom provides up to x249 magnification



E-Passport and ID Card Readers

A choice of stand-alone e-Passport readers that can operate independently of the VSC®.

Reader Option 1A

- OCR, MRZ, RFID & CARD reader
- Stand-alone or VSC® integrated

Reader Option 2

- 24-bit multi-document imaging
- 400 DPI high resolution imaging
- Multiple wavelength illumination
- OCR data capture software

Reader Option 3

- RFID and CARD reader with CCID interface
- USB connection to PC

Calibration Accessories

VSC®8000/LF Calibration Tool

The tool, supplied in a heavy-weight machined aluminium case, includes two NIST traceable standards, for the calibration of the VSC®8000/LF spectrometer, as well as a UV activated test wedge designed to provide visible confirmation that the systems UV light sources are functioning correctly.

Examination Accessories

Invisible Information Decoders

Software to display embedded IPI and ICI on passports and ID cards. Uses Scrambled Indicia Technology supplied under licence from Graphic Security System Corp.

Letterscreen++ Decoder

Software to display unique microtext wave detection and verification by special algorithm based on personal data in MRZ. Supplied under licence from Jura, Hungary

Document Support Weights

Set of three non-marking document weights

UV Polarised Light Viewer

UV polarised light viewer for VSC®8000/LF (specifically to view Swiss passports).

Magnetic Security Feature Imager

Magnetic ink profiler with USB connection.

Quartz Glass Holding Plate

200 X 200mm Quartz glass plate to hold documents flat during examination.

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