



VSC[®] 900

The complete solution for
hybrid document interrogations

foster+freeman

VSC® 900



The complete solution for *hybrid* document interrogations

a new VSC workstation for the hybrid physical and digital inspection of travel and identity documents, designed to meet the complex demands of immigration/border security applications.

Physical/Digital Examination of Travel and ID Documents

For the comprehensive examination of physical and digital document security features.

Identify Fakes, Frauds, and Counterfeits

Authenticate genuine documents and identify counterfeits, forgeries, and pseudo documents.

Forensic-Level Examinations to Combat Counterfeiting

Gather valuable intelligence about the methods and techniques used by counterfeiters to build up a forensic profile of fraudulent documents.

Operational Benefits of VSC Technology

Differentiate Between Genuine & Counterfeit

Offering extensive examination features, the VSC 900 provides examiners with the tools required to differentiate between genuine, counterfeit, fake and fraudulent documents.

For Border Security & Immigration Settings

The first in a new generation of hybrid VSC document examination systems, the VSC 900 has been designed to meet the complex demands of modern border security/immigration settings.

Forensic-Level Document Imaging

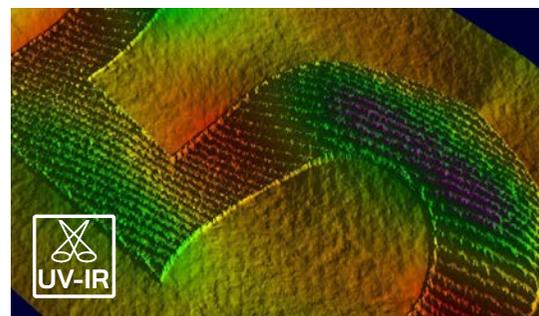
Capture and examine high-clarity, true to life images of documents at up to 158x magnification.

UV-Vis-IR Multi-Spectral Imaging

Perform UV-Vis-IR full-document examination to reveal signs of forgery and tampering.

Reveal & Confirm Security Features

Detect and verify the authenticity of all common and advanced document security features.



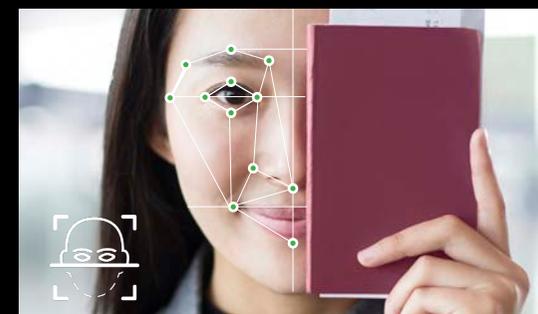
Examine High-Clarity, True to Life Images



HYBRID PHYSICAL/DIGITAL INTERROGATIONS



Detect and Decode Digital Security Data



Inspect Encoded Data

Detect, decode, and examine data that is not human-readable - MRZ, IPI etc.

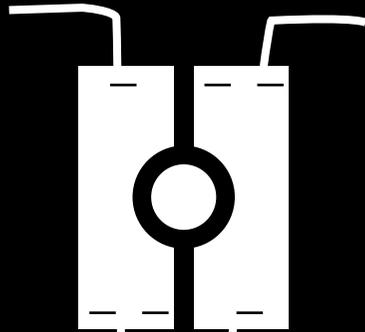
Access & Authenticate eChip Data

Unlock and examine the biometric data stored within a documents eChip.

Perform Facial Recognition

Verify the identity of a person by comparing their face to a printed or encoded photo on a document.

FOR COMPREHENSIVE
DOCUMENT EXAMINATIONS



DIGITAL interrogations

In response to the ever increasing complexity of e-passports and identity documents, the VSC900 is equipped for the examination of all levels of digital, embedded, and encoded security features. System capabilities may be further enhanced through the addition of fully-licensed data decoders.

Pass/Fail Authentication of e-Chip Biometric Data

Authenticate embedded and machine-readable data using VSC900's proprietary software or upgrade to the optional Assure ID™ Sentinel* toolset for rapid pass/fail examinations with a high degree of accuracy.



ASSURE ID



ePassport Authentication

Decode Data Embedded Security Features

Optional VSC900 software modules enable the examiner to decode data embedded within the design elements of a document. Fully licenced decoders** are available for widely used security features including Invisible Personal Information (IPI); Invisible Constant Information (ICI); and machine-verifiable Letterscreen+.



JURA Digital IPI



LetterScreen++



* Supplied under license from Actuant, USA

** Supplied under license from Jura, Hungary

PHYSICAL examinations

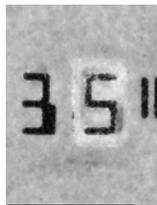
Utilise a comprehensive selection of multi-spectral illumination and imaging tools to inspect all physical elements of a document, including printed traditional and advanced security features, pen and ink strokes, paper, cover, laminates, photographs, and stitching, for signs of counterfeiting or tampering.

Reveal Signs of Tampering and Fraud

Interrogate High-resolution images of documents, captured under multi-spectral UV-Vis-IR modes of illumination, to detect evidence of tampering including data alterations, erasures, photo and page substitution etc.



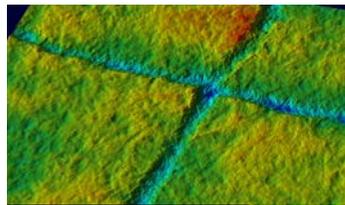
Altered Text



Tufting



UV Thread



Intersecting Lines

Examine and Authenticate Physical Security Features

Examine commonplace and specialist document security features using narrowband illumination to 'activate' and/or visualise watermarks; holograms; special inks; and security threads; as well as anti-tampering measures, such as perforations; laminates; stitching; and heat-sealed edges etc.



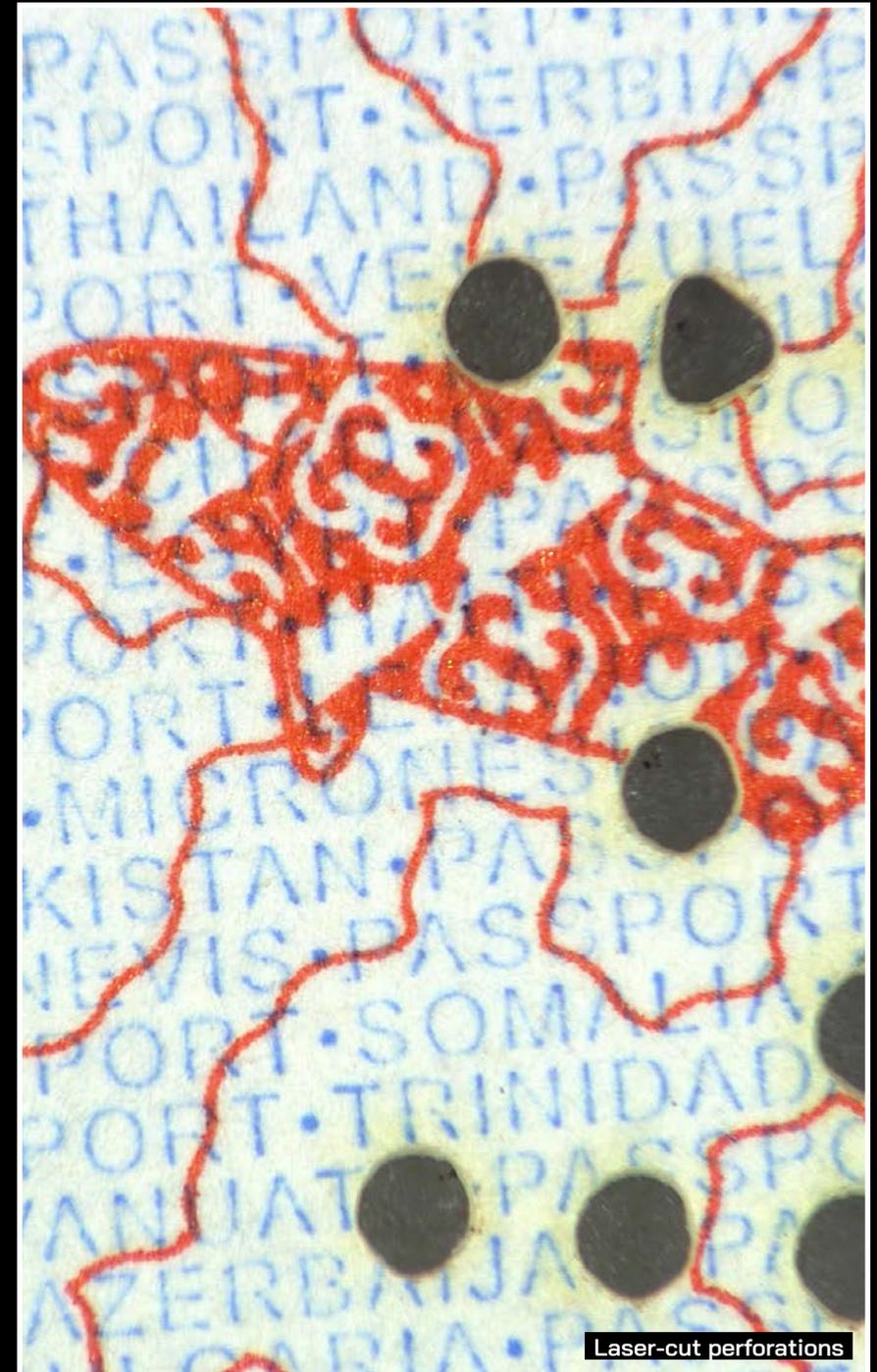
Microprint



Intaglio



Ink Stamps



Laser-cut perforations

VSC[®] 900

Hardware Features

8MP Camera

158x Magnification

Full LED Illumination

A4 Field of View

Hardware Options

Embedded PC

Motorised XY Stage

Microspectrometer



HARDWARE features

Forensic-Level Imaging Optics

Optimised for high-clarity, true to life imaging of documents, the VSC900 includes a high resolution 8MP camera capable of providing crystal-clear across a large field of view.

Full-Spectral LED Illumination from UV to IR

Comprehensive multi-modal UV-Vis-IR illumination, including spot, flood, oblique and transmitted light sources for the visualisation and interrogation of documents.

Versatile Hardware Design

Available in a selection of hardware configurations include, the VSC900 includes a pull-out transmitted light base, with optional XY translation stage, and is available with or without an internal PC.

SOFTWARE features

Comprehensive and Accessible Interface

Updated to facilitate the hybrid inspection of 'digital documents', the VSC 900 software provides complete control of all illumination, imaging and examination tools will be instantly accessible to anyone familiar with the VSC line of instruments.

Decode and Display Embedded Security Features

Optional fully licenced decoders decode and display embedded IPI and ICI features found on passports and ID cards.

Examine ePassport Biometric Personal Data

View personal data contained on the RFID chip of an Electronic Machine-Readable Travel Document. This includes the MRZ and face image protected by Basic Access Control.



Software Features

User-Friendly Interface

MRZ/OCR Reader

BAC Access Control

ePassport Data Reader

Barcode Reader

EAC Extended Access

Embedded Data Decoders

Document Databases

Case Management

EXAMINATION accessories

Further enhance the VSC900 examination capabilities through the addition of dedicated document examination accessories.

Powerful Microscope Systems

Using a second camera system for external image capture, the VSC900 can be twinned with a choice of external microscopes.

NIKON SMZ25 SMZ18 SMZ745-T **Leica** M205 C M80 Ivesta-3

ePassport Readers

In order to read the data that is stored on electronic chips embedded within ePassports and eID cards, VSC instruments may be supplied with an optional eReader.

eREADER 1/A eREADER 3 eREADER 5

Document Reference Databases

Subscribe to optional reference databases showing the security features found on travel documents and banknotes.

Travel & Identity Documents Banknotes

MRTD Embedded Data Decoders

Optional software modules to decode and display data embedded and/or encoded within Machine Readable Travel Documents, passports, and ID cards.

JURA IPI JURA ICI LetterScreen++ Actuant ASSURE ID Secunet

Physical Examination Accessories

A comprehensive selection of document examination tools and peripheral devices will ensure that the examiner is equipped to interrogate all current formats of travel and identity documents.

SOFTWARE ACCESSORIES

Reference Subscriptions

KEESING TRAVEL AND IDENTITY DOCUMENTS DATABASE

KEESING BANKNOTES DOCUMENTS DATABASE

ASSURE ID SENTINEL (5-YEAR SUBSCRIPTION)

Embedded Data Decoders

EXTENDED RFID CAPABILITY (SECUNET SDK)

LETTERSSCREEN ++ DECODER

JURA IPI DECODER

Facial Identification

FACIAL RECOGNITION HARDWARE (CAMERA, RINGLIGHT, & TRIPOD)

LIVE FACIAL IDENTIFICATION SOFTWARE

3D Imaging

3D IMAGING SOFTWARE MODULE

LIVE FACIAL IDENTIFICATION SOFTWARE

PERIPHERAL DEVICES

Examination Accessories

ATR THERMOCHROMIC INK VIEWER

POLARISAFE UV LIGHTING MODULE

DOCUMENT TILT PLATE

MFSI-2 MAGNETIC SECURITY FEATURE VIEWER

QUARTZ GLASS PLATE

VSC EDGE-VIEWER ANGLED MIRROR ACCESSORY

eReaders

A CHOICE OF COMPATIBLE EREADER DEVICES

Microscopes

A CHOICE OF COMPATIBLE MICROSCOPES

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Ready to find out more?



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