Passport security is vital for safe international travel and the uncompromised security of national borders. The success of passport security depends heavily on the security features that protect these documents and systems from counterfeiters.

Improvements in border security and passport control procedures have improved significantly in recent years. However, criminals continue their efforts to compromise physical passport documents.

Although the electronic features contained in passport documents have become important to record the movements of individuals across borders, the visual authentication carried out by security staff remains the primary security check.

As a result, on-going and innovative optical security features remain one of the highest priorities for governments and their global supply chain.

**OpSec Security**

OpSec interlocks overt, covert and forensic levels of security into its passport laminates intended for use with the latest International Civil Aviation Organization (ICAO) compliant travel documents.

These include OpSec Ultra-thin heat-applied passport laminates and pressure sensitive polyester passport laminates. Each of these embed a variety of high-security features.

**OpSec’s Advanced Secure Passport Laminate System**

OpSec’s secure passport laminate system offers customers the widest range of integrated security features available from one supplier. Combining leading holographic technology with 3 colour UV, optically variable inks (OVIs) and patented liquid crystal solutions, OpSec offer a complete and highly secure solution.

**Material Science**

ULTRA is ideal for high value documents. This chemical coating meets all requirements for passport and visa applications established by the ICAO. ULTRA is micro-thin, so deliberate scraping of the coating results in the immediate destruction of security features.

Heat-applied polyester security laminates provide durable, tamper-resistant protection. Available in a variety of thicknesses, these laminates are suitable for use with any desktop passport laminator.

Polyester pressure sensitive labels bond permanently to visas or passports. Easy to apply without special equipment, they are ideal for single insert formats. Any attempt to peel off the laminate destroys the printed data.
OpSec Passport Laminate Technology

Features Highlighted

Equinox
OpSec’s patented OVD exhibits a dramatic kinetic “black and white” image switch (unlike traditional “rainbow” diffractive OVDs) providing strong overt security, while maintaining a simple visual authentication feature.

Rotational Switch Effects
Diffractive travel icons switch brightly when OVD is rotated through 90°.

Diffractive Switch
A strong visual switch between the ‘OpSec’ and ‘Scope’ logos on vertical movement of the laminate. High precision controlled direct write fringes provide a strong public feature seen in even adverse lighting conditions.

High Resolution Pixels
World map constructed of circular micro-objects offering a unique “fingerprint” for forensic authentication.

Kinetic Zoom & Micro Text
Highly visible kinetic zoom effect arrows point to start of micro text string.

Serialisation
Unique serial number on laminate/carrier supports ‘cradle to grave’ tracking for increased product and supply chain security – available in both visible and UV fluorescing print.

3 Colour UV Printing
Complex UV printing in 2 or 3 colours. Registered images offer a dramatic covert feature which is easily authenticated with a simple UV light source.

SecurMET®
OpSec’s revolutionary metal embedded security feature to enhance overt security. SecurMET® makes authentication simple with its bold, bright look.

SecurMAX®
SecurMAX® has unique multi-colour and polarising qualities which result in the image having various effects when viewed at different angles. The security feature retains a highly transparent mode allowing it to protect printed or photographic data without affecting visibility. The optical appearance is quite distinct and can make use of the entire colour spectrum.
Full Compliance
OpSec passport laminates meet most government specifications and are engineered with advanced surface materials proven durable to withstand every day wear and tear.

OpSec laminates not only meet, but exceed the stringent standards required by ICAO, ISO/IEC and other testing requirements set forth by the industry.

Customer and Technical Support
Dedicated customer focus and on-going technical support are two of the key OpSec promises. Many customers have remained loyal to OpSec for decades due to this unrivalled level of service which ensures OpSec stand out against the competition.

Global Experience
OpSec have supplied over 50 national governments with innovative, high security solutions for identification and registration including:

- Argentina
- Afghanistan
- Bangladesh
- Mexico
- Netherlands
- Norway
- Pakistan
- Ukraine
- United Kingdom
- United States

Also see our literature on:
- OpSec ID Cards
- Card Pouches
- Security Foils
- Optical and Material Science