

Banknote Protection

One of the greatest challenges faced today by global governments is to ensure the on-going protection and security of their banknote currency. Counterfeiting has grown significantly over the last decade as criminals continue to develop more advanced printing methods.

The answer for governments is to ensure that the range of security features embedded within these notes are up-to-date and offer both covert and overt methods of protection.

The first use of a holographic OVD (Optically Variable Device) on a banknote was in 1989 on an Austrian 100 schilling. Since then this proven technology has been used on over 100 denominations worldwide and is widely regarded as the most advanced security feature available to protect global banknotes.



OpSec Technology

OpSec is a leading independent manufacturer of OVDs for banknotes and high security document applications. Accredited to both CWA14641 and ISO9001, OpSec supply a totally integrated service which is unique within the industry for the range of optical imaging techniques on offer, together with the scale and breadth of production facilities and products.

Banknote Patches & Stripes

OpSec offer the currency printing industry a variety of high security OVDs for integration within banknotes as patches or stripes. Graphic and holographic design teams work hand in hand with customers to ensure full compatibility, security and design integration.

OpSec OVDs for currency applications are designed for optimum security through the use of leading e-beam technology, providing the highest possible level of combined security features.

The integration of the design is a crucial element in the integrity, sophistication and acceptability of the note on both the aesthetic and security grounds.

Banknote Threads

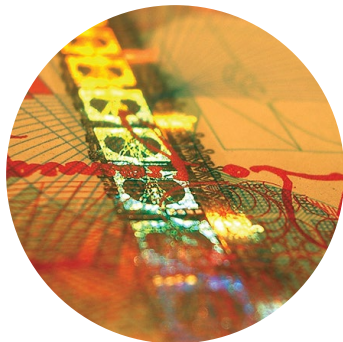
OpSec manufactures holographic materials for conversion to threads for use by the banknote printing industry. All products utilise the latest optical imaging techniques and combines them with advanced materials science, thereby ensuring that customers receive the most technically proficient product range available today.

Products are designed to withstand the extreme environment of mould-made paper making machines and subsequent intaglio printing and still retain their optical properties in the final bank note.



Advanced Holographic OVD Technology

- Diffractive optical elements
- Covert security features
- Micro-text
- Highly specialised de-metallisation, enhancing both security and aesthetic effects



Material Science

- Application-specific release coatings and adhesives
- Specially developed for pre-printed and post-printed paper substrates
- Engineered to meet the stringent performance requirements of multi-trip documents
- Excellent durability and resistance
- Suitable for patch and stripe application
- Capable of withstanding all standard banknote durability and resistance tests

Leading 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

For over 25 years, governments worldwide have trusted OpSec to deliver innovative, high security solutions for the protection of bank note and high security documents, including:

- Armenia
- Bangladesh
- Egypt
- Estonia
- Portugal
- Russia
- Thailand
- United Kingdom
- United States

OpSec Worldwide Offices

US: Boston, MA – Denver, CO – Lancaster, PA

UK: Leicester – Washington

Germany: Munich

Asia: Hong Kong

Caribbean: Dominican Republic

Also see our literature on Security Foils and
Optical and Material Science

