

Security Features

We provide you with a truly comprehensive range of security features.

We stock and source **the most effective security paper and film**, with features which are overt, covert and forensically readable, such as frangibility, watermarks, planchettes, security fibres and threads. We can also coat and convert your own paper.

But, **it's the coating which makes the big difference** between us and alternative suppliers.



The coating

This is the foundation on which our layers of additional security features are added.

- The paper becomes smoother, with controlled absorbency, improving ink reception, the look, feel and durability.
- It allows our customers to add further layers of protection, such as; finer microtext, use of security inks, affixing holograms and foils.
- Our specialist coatings add layer after layer of added protection, from adhesives to chemical sensitization to UV and taggants.

Taggants

- Pigments, which absorb light and radiate in the visible wavelength.
 - Infra red signature taggants, with a unique combination of wavelengths, give authenticity to our coatings.
 - UV fluorescent, available in yellow, green, red or orange pigments.
 - UV phosphorescent, with a UV pigment that continues to glow after the light is extinguished.
 - Pigments are available as short (254 nm) and long (365 nm) wavelengths.

Toner adhesion

- Special coating which makes toner more difficult to remove.

Chemical sensitization

- Attempts to make alterations by fraudulent alteration of printed information in a document will create a colour change in the paper. The coating is sensitive to acids, alkalis, bleaches, solvents and alcohols.

Iridescent coating

- A coating enhances the performance of optically variable printing inks.

Instant verification

- Authenticity of document proven by applying a special ink.

Covert embossed images

- Encrypted, micro-embossed image, verified with a decoding lens.

Tamper evident security film

- If the film layer is removed, an image is revealed on the secured item.



Frangibility

- The paper or film breaks as soon as removal is attempted.

Covert UV image

- UV readable, this image is printed in-between two layers of coating. Bespoke designs can be easily incorporated.

Fibres

- Fine, polymer fibres, overt or machine readable by UV light, in a variety of colours and lengths, distributed in the paper.



Adhesives

- Permanent, high tack adhesive, in combination with frangible substrates, ensures tamper evidence.

Security threads

- Thin woven ribbon, metal or plastic, embedded in the paper.

Planchettes

- Very small, plastic discs, overt or UV readable, randomly distributed.

Covert and overt watermarks

- Translucent images in the paper, bespoke and generic, providing authentication and a seal of quality.

Opacifying layer

- A white, print receptive and scratch resistant coating.

Coloured Centre Paper

- Tearing the paper reveals a colour different to that of the base paper, available in a range of substances and colours.

Security printing benefits

Once your paper has been coated, the security features that are added by printers are far more effective.

Holograms and foils

- The coating enhances the brightness and adhesion.

Security inks

- The coating improves the printing of a variety of inks; tamper reactive, erasable, coin reactive, UV readable, thermochromatic, optically variable, etc.

Security numbering

- Numbers can be printed on to the coating and then over-printed with a scratch-off layer, usually by silkscreen.

Microtext

- With a coating, finer micro and 2D barcodes can be printed, impossible to copy without blurring.



Security is our watchword

We operate a Chain of Custody. We do everything in-house and on one site, maintaining security and integrity throughout the lifecycle of the product

Just as important as our paper's security features is the way we maintain the security of the supply chain.

- We only sell our products to qualified and authorized printers and packaging converters.
- Our security customers have to agree to follow our Chain of Custody policies
 - secure storage
 - production documentation
 - waste management

Working with brand owners, printers and finishers, we ensure that these standards are maintained, without fail.

“ A truly unique set of security combinations ”