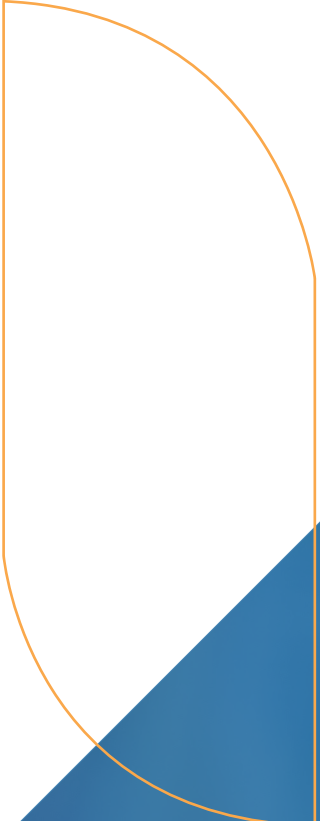




HelioNOTE

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HelioSEC

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ASPECT MACHINE-READABLE INKS FOR BANKNOTES

Inspiring Confidence.

ASPECT

MACHINE-READABLE INKS

As cash-cycles around the world are getting more and more automated it is increasingly important that banknotes function in this environment and can be effectively authenticated by sensors rather than humans. Many automated note verification systems, provided by the Banknote Equipment Manufacturers (BEMs), utilise infra-red wavelengths to validate banknotes so, for Luminescence Sun Chemical Security, this is an important feature to focus on.

A technological breakthrough in the world of infra-red absorbers came with the development of a new family of materials, Luminescence Sun Chemical Security's ASPECT range, which is an exceptionally effective absorber of infra-red radiation. The main benefits of this family of high-security inks are:

- ▮ Available for all banknote printing processes, including offset
- ▮ Increased design flexibility; a full colour gamut with many lighter shades is now available to designers, offering them more opportunities to integrate the feature into a more sophisticated overall design
- ▮ Future-proofed, as BEMs and high-speed sorters can utilise precise absorption spectra with both current and future detection systems
- ▮ Durable; proven to last the set lifetime on a diverse range of banknote substrates

These novel materials have been developed to function in combination with a wide range of other security pigments, thus enabling the printing of multi-functional security features. As well as adding security, this helps address the issue of feature overcrowding.

Contact our specialist to discuss how to integrate ASPECT into your banknote's design.

