

Active™



Active™ combines lenticular technology with leading edge microscopic fine line printing to deliver a distinctive security thread that is exclusive to the banknote industry. The resulting effect is easy to see and explain to the public: as the note is tilted left to right it shows a clear switching effect with images changing from light colour to dark colour and vice versa. Available in a range of colours, with customised text and icons, Active can also be combined with magnetics and fluorescence to ensure the thread also meets the functional needs of the banknote.

Key benefits

Secure – the effect is not commercially available. Counterfeiters will find this a challenging security feature to replicate or imitate successfully

Easily seen and simply explained – the optical switch attracts the public's attention and is easily explained

Design flexibility

- There are a wide range of colours available allowing easy design integration
- The thread can have text and images suitable for the denomination and that complement the overall banknote design

Level 2 functionality

- **Machine readable** – available with magnetics meeting the requirements of banknote handling machines
- **Fluorescent** – useful function for use by professional banknote users

How does it work?

- Active™ uses lenticular technology and microscopic fine line printing to deliver a clear light colour / dark colour switching effect
- The result is an aesthetically appealing, clearly visible banknote security feature that is simple to verify but very hard to replicate successfully

Technical specification

	Active™
Thread widths	3 – 6mm
Window length	6 – 10mm
Colours	Available in a combination of light and dark colours such as - Light: Yellow, White Dark: Green, Blue, Light Magenta, Dark Magenta
Demetallised text options	Yes
Machine readability options	Magform™ ¹
Fluorescence	Yes
Substrate compatibility	Paper

Alternative – Kinetic StarChrome® thread

Kinetic StarChrome® threads provide visual impact to a banknote by uniting eye-catching movement with striking colour change. When viewed flat the kinetic bars sparkle and the StarChrome appears red. When the banknote is tilted the kinetic bars move and the StarChrome changes to a distinctive green colour.

¹ Magform available on threads wider than 3.1mm