



Colorshifting threads

SECURITY IN COLOR

A family of intuitive color-changing threads designed for instant authentication.



Building trust and confidence through instant recognition

Security threads have long proven to be cost-effective solution for banknote authentication, over the past decade, the market has seen the emergence of a wide variety of innovative thread designs and features.

As the security thread represents one of the costliest elements of a banknote, it is imperative that it maintains its ability to offer a degree of protection to aging banknotes. Colorshifting threads were the first threads with a non-metallic look based on proven technologies. It ensures that the vibrant metallic colors retain their full color shifting effect over the entire lifespan, remaining fully functional and visually striking despite years of circulation and wear.

Tilting the banknote results in a clear and easily noticeable color change for the public, serving as a simple binary indicator that facilitates public education efforts. Colorshifting threads offer significant flexibility, allowing for a selection of color variations and the incorporation of numerous options.

As an example, its combination with advanced holographic technologies add a layer of complexity as well as an enhanced customisation that creates dynamic movement that even more attract public attention.

Colors

Choice from a wide range of colors and designs to fit banknote aesthetics.

Strengths

Robust and durable for hardworking denominations with a proven track record of resistance to circulation.

Customization

Enhance the security of the thread including UV fluorescence, fine line demetalization and magnetism including new third generation (Mag³).

KEY FEATURES

PUBLIC AWARENESS

Wide range of vibrant colors to fit banknote design.

DESIGN DIVERSITY

Compatible with all Cleartext designs. Combinable with eyes catching holographic effect and UV prints (front or back).

HIGHLY SECURED

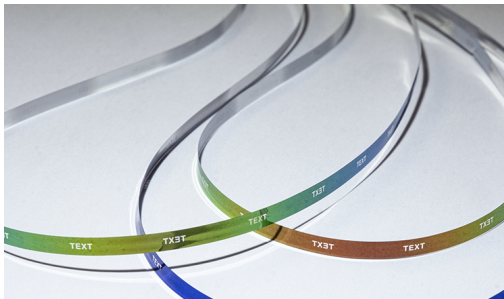
Compatible with fluorescence and all magnetic coding systems, including the most sophisticated on the market: Mag³.

Chromo™ DUO: Colorshifting thread with additional dynamic holographic effects



Combination of eyes-catching kinetic elements and sophisticated colorshift brought by liquid crystal. The colorshift is offered in a diverse spectrum of hues to align with the overall aesthetics of the banknotes. The integration of liquid crystal color transitions with dynamic holographic gratings renders the thread considerably intricate, thereby augmenting its security and rendering it more resistant to counterfeiting.

Chromo™: Colorshifting thread with liquid crystal effects combining striking color change with unique brilliance



Chromo™ thread is a colorshifting thread with colored metallic effects, which makes it vibrant. The colorshift strengthens security and makes authentication easier. Chromo™ is manufactured with large options of personalization, five possible colors, customization with all required security threads must have.

Janus™: Highly customised dual-colour thread combined with textured visual aspect and registered text



Janus™ is a colorshifting thread, with additional parallel, diagonal or dual-colored bands that are printed with unique highly secured specific pigments.

Janus is highly customisable thanks to high contrasted colored bands, text effects (positive and negative) and its multiple colorshifts.