



Tristar™

THE UPGRADED THREAD FOR COLOUR SHIFTING EFFECTS

A next-generation colour-shifting thread blending three vibrant RGB colours.



A disruptive, eye-catching and customizable RGB thread for modern banknotes.

Central banks are continuously adding advanced security features to stay ahead of counterfeiters.

Tristar™ leverages innovative optical technology to turn the security thread into a highly efficient public authentication feature.

Tristar is pushing the boundaries of innovation ever further, incorporating new forms of optical technology to turn threads into some of the most efficient authentication features.

It Includes an innovative colour shifting effect of three colours : red, green and blue or RGB. This colour combination is easy to remember and to communicate to the public.

- A combination of three colours for strong visual impact
- Disruptive technology
- Eye catching
- Easy to educate and authenticate
- Wide range of customization to fit denomination and design needs



KEY FEATURES

EASE TO EDUCATE



Strong RGB effects immediately

INNOVATION



Colors created from micro and nano-gratings.

CUSTOMIZATION



Surface grating, clear text, fluorescence, magnetism.

1st Level authentication



Vertical color shift

When Tristar™ thread is tilted with an up and down movement, 3 reflective colours appear one by one.

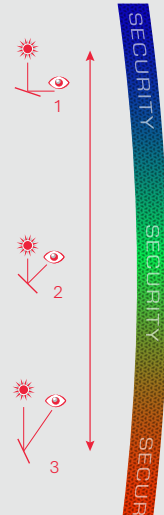


Color change by rotation

When Tristar™ thread is 90° rotated, the reflective colour changes to another colour.



0°



2nd Level authentication

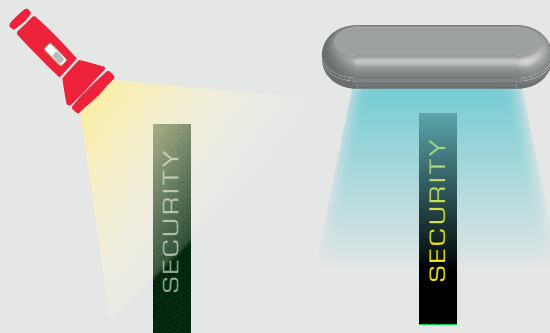


See through and UV fluorescence

Cleartext is visible looking towards the light through the note.

This pattern is also fluorescent when observed under UV light.

UV Fluorescence can also be added to bring additional security layers tailored to customers needs.



3rd Level authentication



Nano-text

Forensic feature, only visible with a x100 microscope.

