

A nano-step to an even higher level of security.

» Novel effects

RollingStar® Venus threads display vivid optical effects and colors due to innovative nanotechnology. These colors and dynamic effects are meticulously placed on specific areas of the thread. This allows for high precision and control over the thread's visual dynamics and coloration (ColorFlip® and Color MotifFlip®).

» Optimal visibility under any lighting

Our technology ensures superior visibility across various lighting conditions. With micromirror technology that reflects up to 90% of light and a metallic surface finish, it stands out in terms of brilliance and clarity.

» Individual demetallized designs

Demetallized text (ClearText) is available for RollingStar® Venus security threads to create customized designs, including denomination- or country-specific elements. Therefore, additional security is provided by showing different information in reflected and transmitted light.

» More than meets the eye

Even the best visible security features become even more secure when combined with machine-readable Level 2 features. That's why RollingStar® Venus incorporates magnetic coding. This combination offers both visual attractiveness and high-level machine readability, for enhanced security and efficiency.

RollingStar® Venus at a glance

- + Precise nano colors
- + Striking ColorFlip® and Color MotifFlip® effects
- + Compatible with a range of magnetic properties like MultiCode™
- + Micromirrors create outstanding high brilliance, which ensures authentication even under dim light conditions

Beauty per nanometer.

RollingStar® Venus



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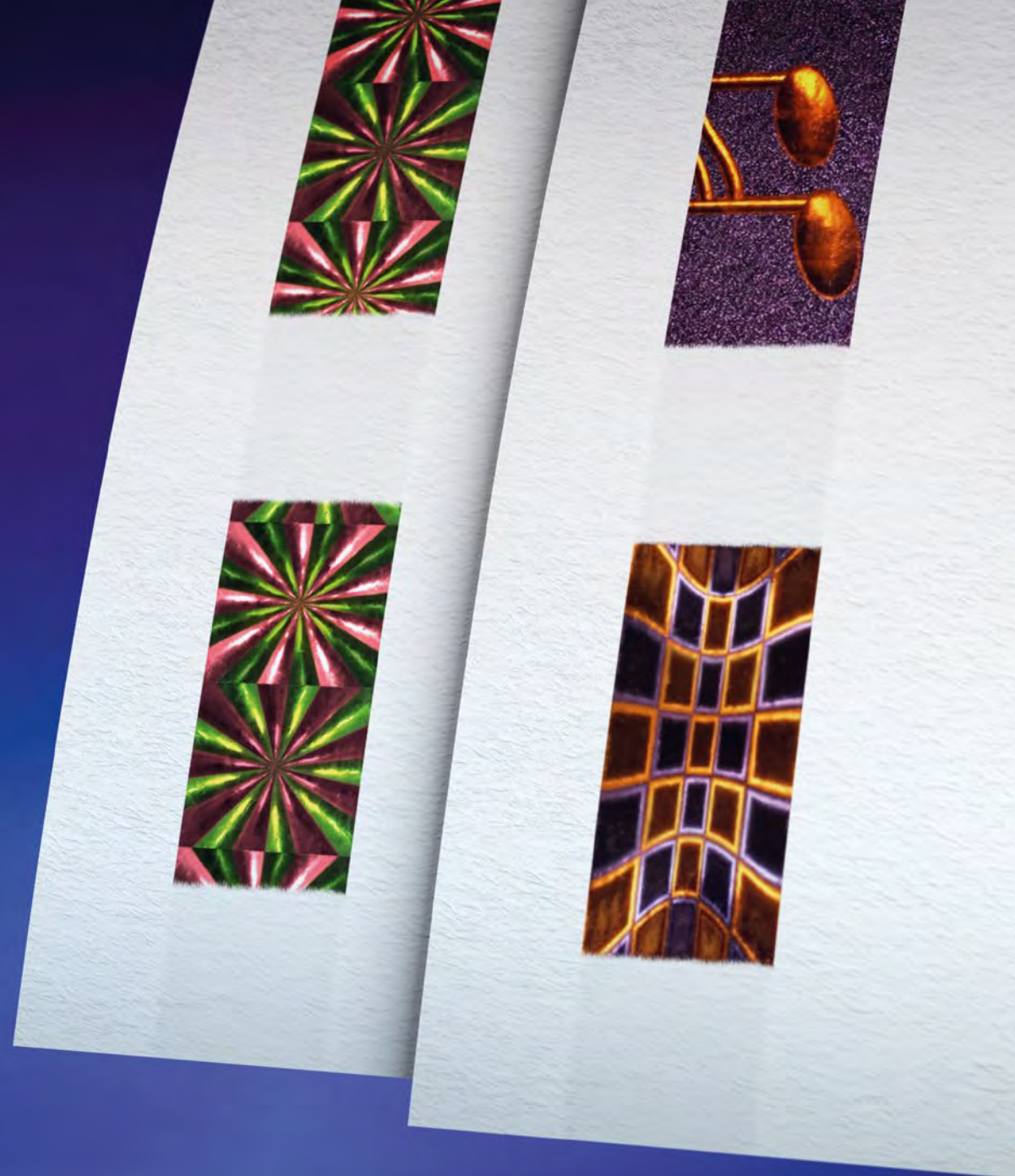


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on our website:
www.louisenthal.com

The next big thing in security is incredibly small.

Discover new options for banknote security with a new member of the RollingStar® family, the RollingStar® Venus thread. The introduction of RollingStar® Venus marks a significant innovation in banknote security. When viewed straight on, they present a secure, highly precise and attractive two-color appearance. When tilting, they display brand-new effects: The highly dynamic synchronization of color change and movement ColorFlip® and the distinctive Color MotifFlip® effect.

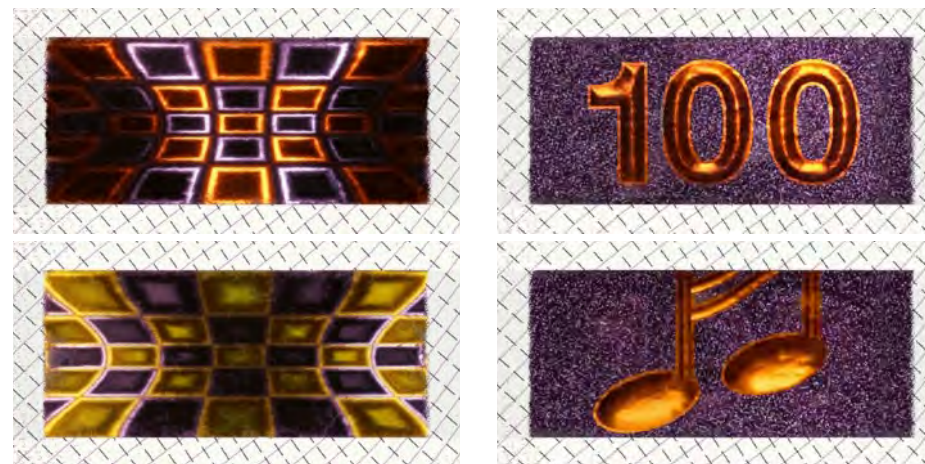
RollingStar® Venus threads add security by means of novel nanotechnology and provide completely new dynamic effects for secure authentication. As the latest addition to the RollingStar® family, they maintain all security properties while incorporating advanced nanotechnology.



A night of magic.

The grand concert hall is filled with anticipation. Majestic chandeliers cast golden light onto the intricately carved wooden walls. The audience waits reverently, eyes on the stage.

Spotlights reveal a pianist in a golden dress, preparing for the moment. As she begins to play, a sea of emotions envelops the room, and is mirrored in the vibrant patterns of the security thread on the banknote.



ColorFlip®

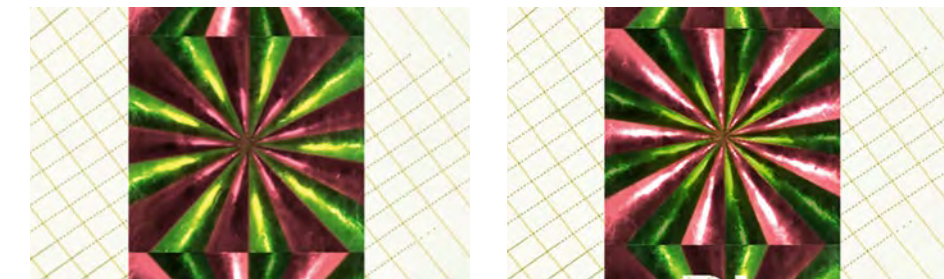
This security thread displays a combination of precisely positioned colors along specific sections of the thread. When the banknote is tilted, it creates a dynamic ColorFlip® effect. This effect delivers revolutionary control over the thread's visual dynamics and coloration in every single micrometer.

Color MotifFlip®

In this example, Color MotifFlip® changes the "100" to a musical note. This effect provides a striking change of color and motif in the same area. It enhances recognition and significantly boosts security.

A small glimpse of nature.

Amid jungle foliage we see a vibrant scene: A hummingbird flies toward the sweet nectar of blossoms. Its slender beak guides the eye to the shimmering flowers of the security thread with its multi-colored blooms. The leaves create a frame in which the thread's dynamic colors captivate both the bird and the viewer.



ColorFlip®

This RollingStar® Venus security thread presents a highly aesthetic eye-catcher. When tilted it reveals vivid and dynamic

optical effects with a precise ColorFlip® green and pink, which is possible thanks to innovative nanotechnology.

