Visual Security Solutions

HOLOGRAPHIC FOIL CARDS AND HIGH SECURITY OVERLAMINATES
One look tells ID counterfeiters that they’re defeated before they even try.

FARGO® Visual Security Solutions add vital protection to your ID cards — and to your organization.

A photo ID printed on a plain white plastic card offers no protection against counterfeiting. To protect against this risk, HID Global® offers a range of visual security elements and overlaminates that can help ensure that your identity is always secure.

Whether they are embedded on the card or just below the surface, HID Global’s visual security features and highly secure overlaminates become a part of the card itself, making it virtually tamper-proof.

Which type of visual security is right for your organization’s card design?

Security embedded on the card. HID Global’s HoloMark™, VeriMark™ and vanGO® visual security elements are created via a precise foil hot-stamping process. The foil is embedded on the card, and the tamper-evident image appears above the surface of the card. Your design must allow a clear space around the mark for printing on these types of cards.

Security embedded in the card. HID Global’s translucent and metallized foil cards are created via a precise foil layering process. The foil is embedded in the card and the tamper-evident image appears below the surface of the card. No clear space is necessary for printing on these types of cards.

The Anatomy of a High Secure ID Card
FARGO Visual Security Solutions give you the flexibility and protection you need to design an ID card that will meet your organization’s unique level of security.
Holographic Foil Cards
Cost-effective visual security for your organization.

Custom VeriMark™ Card
A quick and affordable solution featuring your custom graphic on an opaque 2D foil.

Utilizing a precise hot stamp process, HID Global embeds your organization’s logo, text or graphics onto a silver metallic foil to produce an easy-to-verify visual counterfeit deterrent. Durable, distinctive and difficult to counterfeit, VeriMark cards are perfect for organizations that want to add personalized visual security with minimum cost and delivery time.

Custom VeriMark cards feature your 2D logo, text or graphics embedded in gold onto a durable silver foil.

Custom Holomark™ Card
Your custom 3D image in a distinctive, high-resolution holographic mark.

HID Global turns the graphic of your choice into a one-of-a-kind hologram that’s permanently embedded onto the surface of your card. The result is a visually dynamic card that’s virtually impossible to duplicate, yet easy to validate. Custom HoloMark cards provide significant non-laminated protection against ID counterfeiting. A standard HoloMark design is also available.

Custom HoloMark cards feature your-custom-designed hologram with multiple diffractive angles, nano text and laser-viewable images. Available in gold or silver.

Custom Metallized Foil Card
A custom design solution with your metallized foil graphic embedded below the surface.

Custom-designed, metallized holograms are securely layered inside the card’s construction — just below the surface. This provides maximum durability and resistance to counterfeiting or tampering. Metallized Holographic Foil Cards are ideal for organizations that desire a sense of security and a sense of style in their cards.

Custom Metallized Foil Cards are also available pre-printed. Ask your authorized HID Global partner for details.

Custom Translucent Foil Card
A custom design solution with your translucent foil graphic embedded below the surface.

Custom-designed translucent holograms are embedded in the card stock — just below the surface — for maximum durability and security. The design can incorporate customized visual security elements. Ideal for designs where printing will cover the embedded image and create a translucent “watermark” effect on the card.

Custom translucent foil cards are also available pre-printed. Ask your authorized HID Global partner for details.

vanGO® and vanGO® Custom Cards
Our portfolio of vanGO One-2-One™ visual security features allow you to create a relationship between the card and the cardholder that is nearly impossible to replicate or counterfeit.

The first option, vanGO, features a silver metallic foil patch that is hot-stamped on to the surface of the card and then written with the cardholder’s image using the FARGO® HDP8500LW printer/laser writer system. vanGO Custom is the second option and can include options for the vanGO foil such as custom shape, custom size, or addition of holographic elements.
Visual Security Elements (VSEs)
For Holographic Foil Cards

Use these examples to help create your own custom Holographic Foil Card.

The building blocks for a counterfeit-resistant ID card.

By adding one or more of these VSEs personalized to your organization’s custom card design, you immediately increase your protection against ID card counterfeiting and tampering.

HID Global’s range of visual security elements are tamper-resistant and instantly verifiable, whether they are permanently embedded on or in the card. Both card types represent today’s minimum requirement for a secure card identity system and are considerably more secure than unmarked, easily replicated white cards.

Custom Holographic Artwork

Your custom translucent hologram is securely embedded inside the card’s construction — just below the surface. This provides maximum durability and resistance to counterfeiting or tampering, and is available in unprinted and pre-printed cards.

Translucent Foil Card

Custom Invisible UV Ink

Invisible to the naked eye, these covert graphics come to life and turn red when viewed under ultraviolet light.

Custom Micro Text

This microscopic type is so detailed, it cannot be duplicated via dye-sublimation, inkjet or laser printers. Carefully placed within a line or an element of artwork, it appears only under magnification. Here, the words “NO FRAUD” are seen in the purple border.

Metallized Foil Card (Shown with Full-Color Pre-Print)

Custom Full-Color Secure Printing

Advanced printing techniques such as rainbow, guilloche, fine line and microprinting deter counterfeit. Complex printing patterns cannot be reproduced by photographic equipment and complex colors are difficult for color copiers and scanners to reproduce accurately.

Custom or Standard HoloMark Foil

Custom HoloMark Cards can feature your custom-designed hologram with multiple VSEs. Available in gold or silver.

vanGO Custom

Your custom metallized holographic vanGO foil increases resistance to counterfeiting. Personalization of the vanGO foil during issuance creates a secure visual security feature that is unique to the cardholder.

Each year HID Global helps thousands of governments, businesses and other organizations develop a visual security solution that meets their requirements for both budget and security.
Which Visual Security Solution is right for your organization?

<table>
<thead>
<tr>
<th></th>
<th>VeriMark</th>
<th>HoloMark</th>
<th>Metallized</th>
<th>Translucent</th>
<th>vanGO® Custom</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Security Level:</strong></td>
<td>Secure</td>
<td>High Secure</td>
<td>High Secure</td>
<td>High Secure</td>
<td>Personalized - unique to every card with use of vanGO laser writer</td>
</tr>
<tr>
<td><strong>Origination:</strong></td>
<td>$325</td>
<td>$3,000 or $10,000</td>
<td>$1,000</td>
<td>$1,000</td>
<td>Starting at $17,500</td>
</tr>
<tr>
<td><strong>Minimum Cards:</strong></td>
<td>500</td>
<td>5,000</td>
<td>1,000</td>
<td>1,000</td>
<td>50,000</td>
</tr>
<tr>
<td><strong>Turn Around:</strong></td>
<td>2 weeks</td>
<td>8 weeks</td>
<td>3 weeks</td>
<td>3 weeks</td>
<td>15 weeks</td>
</tr>
<tr>
<td><strong>Orientation:</strong></td>
<td>Horizontal or Vertical</td>
<td>Horizontal or Vertical</td>
<td>Horizontal or Vertical</td>
<td>Horizontal or Vertical</td>
<td>Horizontal or Vertical</td>
</tr>
</tbody>
</table>
| **Printing Area:**   | • Limited printing.  
    • Must allow a “clear” space around the VeriMark. Cannot print flush to foil. | • Limited printing.  
    • Must allow a “clear” space around the HoloMark. Cannot print flush to foil. | • Unlimited printing.  
    • Can print up to or even over the foil. | • Unlimited printing.  
    • Can print over the foil. | • Limited printing.  
    • Must not print image over the vanGO foil. |
| **Pre-printed Card Availability:** | No | No | Yes | Yes | Yes |
| **Additional VSEs Available in Design:** | No | No | Fine Line Design (Guilloche)  
    Invisible UV Ink  
    Micro Text | Fine Line Design (Guilloche)  
    Invisible UV Ink  
    Micro Text | Fine Line Design (Guilloche)  
    Invisible UV Ink  
    Micro Text | Fine Line Design (Guilloche)  
    Invisible UV Ink  
    Micro Text |
| **Image Placement:** | • Limited placement.  
    • A single VeriMark image can be registered in one of four corners. | • Limited placement.  
    • A single HoloMark image can be registered in one of four corners. | • Unlimited placement.  
    • A metallized foil image can be registered and/or repeated in any customer-specified position. | • Unlimited placement.  
    • A transparent foil image can be registered and/or repeated in any customer-specified position. | • Limited placement.  
    • Inquire for design limitations. |
Holographic Overlaminates
Added visual protection and durability for your ID cards.

A photo ID printed on a plain white plastic card has virtually no defense against counterfeiters. It’s all too easy, using today’s digital technology, to forge legitimate-looking IDs. But a FARGO Holographic Overlaminate gives an ID card a high level of protection by adding Visual Security Elements (VSEs) that are extremely difficult to forge, yet easy to authenticate.

An overlaminate also makes cards more resistant to everyday wear and tear. Give the ID cards that protect your organization formidable protection of their own, with a FARGO Holographic Overlaminate.

Which Holographic Overlaminate is right for your organization?

<table>
<thead>
<tr>
<th>Holographic Overlaminates</th>
<th>Secure</th>
<th>High Secure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Security Level:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secure</td>
<td>50 rolls</td>
<td>50 rolls</td>
</tr>
<tr>
<td>PolyGuard: 250 images per roll</td>
<td>PolyGuard: 250 images per roll</td>
<td></td>
</tr>
<tr>
<td>Thermal Transfer Film: 500 images per roll</td>
<td>Thermal Transfer Film: 500 images per roll</td>
<td></td>
</tr>
<tr>
<td>High Secure</td>
<td>50 rolls</td>
<td>50 rolls</td>
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<td>Thermal Transfer Film: 500 images per roll</td>
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<td></td>
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<tr>
<td><strong>Lead Time:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secure</td>
<td>8-10 weeks</td>
<td>8-12 weeks</td>
</tr>
<tr>
<td>High Secure</td>
<td>8-10 weeks</td>
<td>8-12 weeks</td>
</tr>
<tr>
<td><strong>Final Design Resolution:</strong></td>
<td>600 dpi</td>
<td>1200 dpi or greater</td>
</tr>
<tr>
<td>Secure</td>
<td>600 dpi</td>
<td>1200 dpi or greater</td>
</tr>
<tr>
<td>High Secure</td>
<td>600 dpi</td>
<td>1200 dpi or greater</td>
</tr>
<tr>
<td><strong>Graphics Detail Level:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secure</td>
<td>Medium detail graphics</td>
<td>Ultimate detail graphics</td>
</tr>
<tr>
<td>High Secure</td>
<td>Medium detail graphics</td>
<td>Ultimate detail graphics</td>
</tr>
<tr>
<td>Supports a high level of design complexity with a kinetic movement</td>
<td>Allows you to have visual security elements like Flip Images and the maximum amount of design complexity and high resolution</td>
<td></td>
</tr>
<tr>
<td><strong>Image Location:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secure</td>
<td>Registered or random image placement</td>
<td>Registered image placement</td>
</tr>
<tr>
<td>High Secure</td>
<td>Registered or random image placement</td>
<td>Registered image placement</td>
</tr>
<tr>
<td><strong>High Secure Visual Security Element Options:</strong></td>
<td>No</td>
<td>Overt:</td>
</tr>
<tr>
<td>Secure</td>
<td>Overt: 2D &amp; 3D Ribbon</td>
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<tr>
<td>Covert: Micro Text</td>
<td>Covert: Micro Text</td>
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<tr>
<td>Laser Viewable Text</td>
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<td></td>
</tr>
<tr>
<td>Pseudo Color</td>
<td>Pseudo Color</td>
<td></td>
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<tr>
<td>Flip Images</td>
<td>Flip Images</td>
<td></td>
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<tr>
<td>Morphing Images</td>
<td>Morphing Images</td>
<td></td>
</tr>
<tr>
<td>Nano text</td>
<td>Nano text</td>
<td></td>
</tr>
</tbody>
</table>

Custom SECURE
Holographic OVERLAMINATE
Cost-effective way to add durability and security to photo ID badges.
- Simple visual movement creates more complex, definitive holographic diffraction.
- Supports more complex graphics or text designs.
- Ideal for smaller corporate, local government and educational applications.

Custom High Secure
Holographic OVERLAMINATE
The ultimate in holographic overlaminate protection.
- An extremely formidable, multi-layered solution.
- Leverages up to eight customizable VSEs to produce a complex, fraud-resistant ID card.
- Recommended for government, transportation industries and high-level corporate applications.
Visual Security Elements (VSEs)
For Custom High Secure Holographic Overlaminates

The building blocks for a counterfeit-resistant ID card.

By adding one or more of these VSEs, personalized to your organization’s custom overlaminate design, you immediately increase your protection against ID card counterfeiting and tampering.

The holographic imagery shown here is an example of a custom high secure overlaminate. The image is also registered on the ID card which ensures that it will appear in the same position from card to card. The result? An ID card that is extremely difficult to forge, yet easy to verify.

Custom Morphing Images

Morphing images consist of graduating images which give the illusion of animation. This effect is very time-consuming and difficult for ID card counterfeiters to duplicate. In this example image, the electrons morph on a path simulating rotation around the nucleus.

Custom High Secure Example Image

Use these examples to help create your own custom high secure overlaminate.

Custom 2D/3D Ribbon
(Not shown on example card)
Provides a complex background image, yet requires no special lights or readers to verify. The detailed artwork is a combination of sophisticated two- and three-dimensional flowing ribbons. In this example image, the 2D/3D Ribbon interacts and integrates with the other visual security elements, providing full image coverage over the entire card.

Custom Nano Text
(Not shown on example card)
Viewable only under high-powered magnification, a string of microscopic alphanumeric type is strategically placed within the thin lines of an art element. This inset example image contains the word “VALID.” Note that designated areas have specific typographic errors, (VALDI). This provides one more level of covert detail to assist in verification of authenticity.

Custom Flip Image
(Not shown on example card)
This VSE provides a sophisticated level of animation that is extremely difficult to duplicate. It features left/right, top/bottom or any combination of opposite-facing artwork. In this inset example, the small globe flips from Eastern Hemisphere to Western Hemisphere when the card is angled.

Custom Pseudo Color
An effective and attractive element that is difficult to duplicate, yet very easy to verify. Tilt the card one way, and you see metallic, holographic tones in your image. Tilt it again and you see saturated, true colors along with atomic numbers and other details. In this example image, the card is angled to show the many varying bright colors of the noble gases from the periodic table.

Custom Fine Line Design (Guilloche)

When viewed at certain angles, these complex fine lines give the illusion of motion. Too small to be effectively reproduced on desktop printers, these lines and patterns can be easily verified by the naked eye with a simple turn of the card. In the example image above, the lines appear to move around the globe and have clockwise and counter-clockwise movement.

Custom Micro Text

This microscopic type is so detailed, it cannot be duplicated via dye-sublimation, ink jet or laser printers. Here, “GLOBE LABS CLASSIFIED” is placed in a designated area within the fine line design (Guilloche). This is an excellent covert feature for authenticating an ID.

Custom Laser Viewable Text
(Not shown on example card)
One of our most sophisticated, covert VSEs available. This invisible alphanumeric type can only be viewed with a laser, making it ideal for high-level security applications where verification of authenticity is mission-critical. In this inset example, the word AUTHENTIC is repeated within the holographic artwork.

Custom High Secure Overlaminate

For Custom High Secure Holographic Overlaminates

Use these examples to help create your own custom high secure overlaminate.