

# Visual Security Solutions



**HOLOGRAPHIC FOIL CARDS AND  
HIGH SECURITY OVERLAMINATES**





One look tells ID counterfeiters that they're defeated before they even try.

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

#### Translucent and Metallized Foil Cards

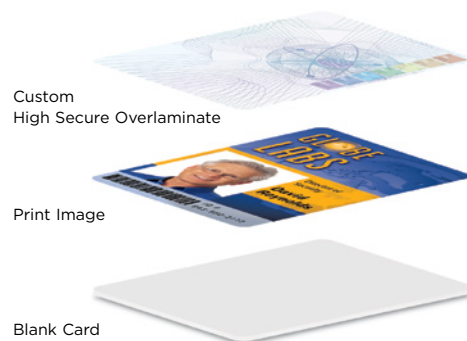


##### Security embedded in the card.

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.

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 incorporated as part of your card's exterior design or embedded just below the card's surface, HID Global's visual security features and highly secure overlaminates become a part of the card itself, making it virtually tamper-proof.



##### The Anatomy of a High Secure ID Card

HID 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.



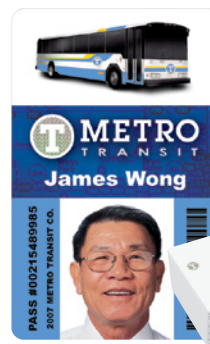
### Custom Translucent Foil Card

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.



### 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.

# Visual Security Elements (VSEs) For Holographic Foil Cards

## 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 incorporated as part of your card's exterior design or embedded just below the card's surface. VSEs such as these represent today's minimum requirement for a secure card identity system and are considerably more secure than unmarked, easily replicated white cards.

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

### Custom Translucent 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.



### 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.

### Translucent Foil Card



### Custom Invisible UV Ink

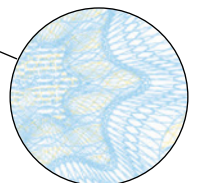
Invisible to the naked eye, these covert graphics come to life and turn red when viewed under ultraviolet light.

### 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.





## Which Visual Security Solution is right for your organization?



	Metallized	Translucent
<b>Security Level</b>	High Secure	High Secure
<b>Origination</b>	\$1,000	\$1,000
<b>Minimum Cards</b>	1,000	1,000
<b>Turn Around</b>	6-8 weeks	6-8 weeks
<b>Orientation</b>	Horizontal or Vertical	Horizontal or Vertical
<b>Printing Area</b>	<ul style="list-style-type: none"> <li>• Unlimited printing.</li> <li>• Can print up to or even over the foil.</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited printing.</li> <li>• Can print over the foil.</li> </ul>
<b>Pre-printed Card Availability</b>	Yes	Yes
<b>Additional VSEs Available in Design</b>	<ul style="list-style-type: none"> <li>• Fine Line Design (Guilloche)</li> <li>• Invisible UV Ink</li> <li>• Micro Text</li> </ul>	<ul style="list-style-type: none"> <li>• Fine Line Design (Guilloche)</li> <li>• Invisible UV Ink</li> <li>• Micro Text</li> </ul>
<b>Card Stock</b>	CR-80 debris-free FARGO UltraCard and UltraCard Premium brand card stock.	CR-80 debris-free FARGO UltraCard and UltraCard Premium brand card stock.
<b>Image Placement</b>	<ul style="list-style-type: none"> <li>• Unlimited placement.</li> <li>• A metallized foil image can be registered and/or repeated in any customer-specified position.</li> </ul>	<ul style="list-style-type: none"> <li>• Unlimited placement.</li> <li>• A transparent foil image can be registered and/or repeated in any customer-specified position.</li> </ul>



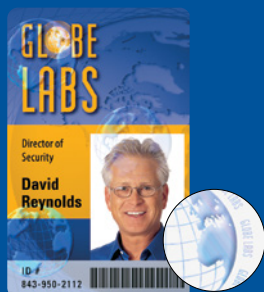


## Holographic Overlaminates

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 Overlamine 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 overlamine 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 Overlamine.

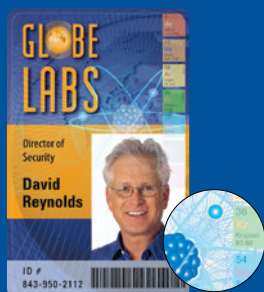


### Custom Secure

#### 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 overlamine 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.

## Which Holographic Overlamine is right for your organization?

Holographic Overlaminates		
	Secure	High Secure
<b>Security Level:</b>	Secure	High Secure
<b>Minimum Order:</b>	<ul style="list-style-type: none"> <li>50 rolls</li> <li>PolyGuard: 250 images per roll</li> <li>Thermal Transfer Film: 500 images per roll</li> </ul>	<ul style="list-style-type: none"> <li>50 rolls</li> <li>PolyGuard: 250 images per roll</li> <li>Thermal Transfer Film: 500 images per roll</li> </ul>
<b>Lead Time:</b>	8-12 weeks	8-12 weeks
<b>Final Design Resolution:</b>	600 dpi	1200 dpi or greater
<b>Graphics Detail Level:</b>	<ul style="list-style-type: none"> <li>Medium detail graphics</li> <li>Supports a high level of design complexity with a kinetic movement</li> </ul>	<ul style="list-style-type: none"> <li>Ultimate detail graphics</li> <li>Allows you to have visual security elements like Flip Images and the maximum amount of design complexity and high resolution</li> </ul>
<b>Image Location:</b>	Registered or random image placement	Registered image placement
<b>High Secure Visual Security Element Options:</b>	No	<div> <b>Overt:</b> <ul style="list-style-type: none"> <li>2D &amp; 3D Ribbon</li> <li>Fine Line Design/Guilloche</li> <li>Flip Images</li> <li>Morphing Images</li> <li>Pseudo Color</li> </ul> </div> <div> <b>Covert:</b> <ul style="list-style-type: none"> <li>Micro Text</li> <li>Laser Viewable Text</li> </ul> </div> <div> <b>Forensic:</b> <ul style="list-style-type: none"> <li>Nano text</li> </ul> </div>

# Visual Security Elements (VSEs)

## For Custom High Secure Holographic Overlaminates

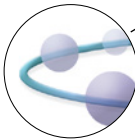
### The building blocks for a counterfeit-resistant ID card.

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.

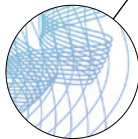
### Custom Morphing Images

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 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 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 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

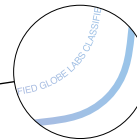
image contains the word "VALID." Note that designated areas have specific typographic errors, (VALDI). This provides one more level of covert detail to assist in verification of authenticity.



### Custom Micro Text

This microscopic type is so detailed, it cannot be duplicated via dye-sublimation, inkjet or laser

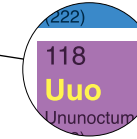
printers. Here, "GLOBE LABS CLASSIFIED" is placed in a designated area within the fine line design (Guilloche). This is an excellent covert feature for authenticating an ID.



### Custom Pseudo Color

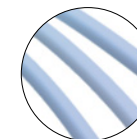
An effective and attractive element that is difficult to duplicate, yet very easy to verify. Tilt the card one way,

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 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 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.



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