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**SWEBS**



**SECUTECH**  
TECHNOLOGY

#### Security Hologram

Suggest the most suitable hologram from basic to highest security level depending on client situation against the threat of forgery.

**SWEBS**

#### Mobile/Web security hologram

Development of genuine certification system by mobile phone and computer. It works as strong security system combined with high security hologram and special printing technology.

**SealHicker**  
스티커

#### Security Seal

Supply security sealing label for sealing security documents and valuables and computer, mobile phone, etc.



[www.swebs.co.kr](http://www.swebs.co.kr)

**PROTECT YOUR VALUABLE  
BRAND AND COPYRIGHT FROM FORGERY.**

# SECUTECH

HOLOGRAM

SECUTECH Hologram provides the most suitable security solution from level 1 to level 4 by checking client status for the threat of forgery. With the optimal customizing security hologram, we recommend suitable holograms with a variety of security technologies and designs. Also, you can protect your brand from forgery by creating your own hologram.

## Differentiated Security Effect



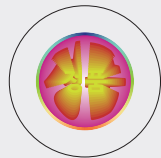
### Frsnel Mirror Lens

- Unique effects that see objects like a convex lens.
- Impossible to implement with existing hologram production technology and equipment.
- Rare and High secure technology.



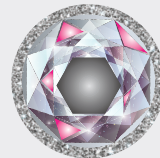
### 3D Stereogram

- Volume and Three-dimensional effect.
- Produced through computer 3D modeling or real 3D modeling.
- Left to right Rotate effects by giving 15~20 frames.



### Lens Shrink & Expand

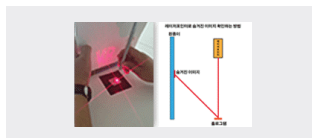
- The effect of expanding and shrinking the letters in the optical lens.
- High-security hologram technology.



### Crystal & Diamond Effect

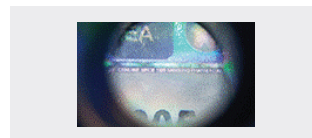
- A gorgeously shining and brilliant effect like a diamond.
- High-security hologram technology.

## Convert Security Features



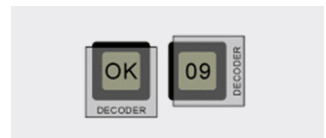
### Laser Hidden

- When you shoot the laser beam at a specific location on the hologram, the hidden images appear in front.



### Microtext

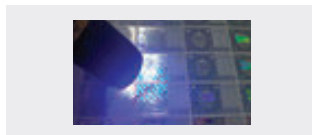
- The fine texts engraved on the hologram are hard to see with the naked eyes.
- It can be viewed under a microscope or magnifying glass.



### Raster(Moire) effect

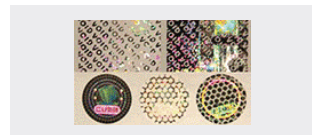
- Encode specific text on the hologram. Also, it can't be seen with the naked eye.
- It can be viewed under dedicated decoding film.

## Material Security Technology



### Invisible UV Hidden

- Invisible UV hidden text can be visible under UV light only. It's engraved inside of the material, not on the surface.



### Tamper Evident

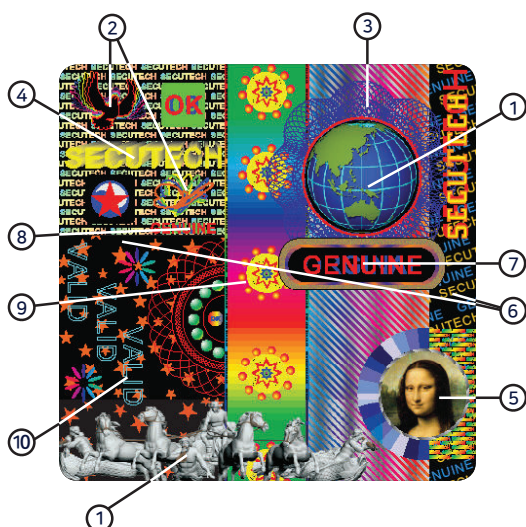
- When removing the hologram, it damages the hologram layer. It's used for sealing important things.
- Security technology that prevents the reuse of the hologram itself.



### Custom Tamper Evident

- Security technology that leaves the trace when the hologram is removed and destroyed by the client's brand and company name. (ex. SAMSUNG, LG, HYUNDAI etc)

## Overt Security Features



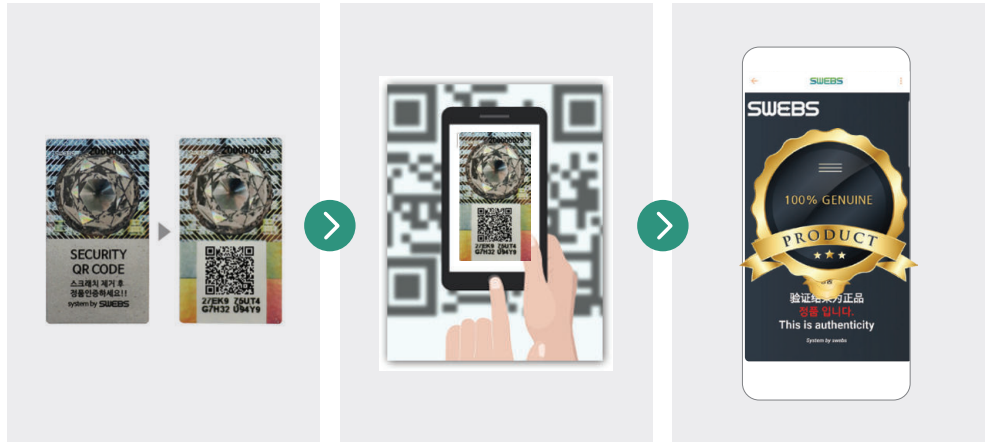
- |    |  |  |  |
|----|--|--|--|
| 1  |  |  | <b>3D (3D Effect)</b> <ul style="list-style-type: none"> <li>• Three-dimensional and Volumic effect.</li> <li>• It produces through computer 3D modeling or real 3D modeling.</li> </ul> |
| 2  |  |  | <b>Animation</b> <ul style="list-style-type: none"> <li>• Dynamic movements as if a bird is flying.</li> </ul>   |
| 3  |  |  | <b>High Resolution Guilloche Line</b> <ul style="list-style-type: none"> <li>• Combining high-resolution fine lines into the holograms enables dynamic visual effects</li> </ul>         |
| 4  |  |  | <b>Shrink &amp; Expand</b> <ul style="list-style-type: none"> <li>• The effect of the word SECUTECH is that it expands and shrinks.</li> </ul>   |
| 5  |  |  | <b>True Color Effect</b> <ul style="list-style-type: none"> <li>• The effect of implementing colors that are unique to a picture.</li> </ul>   |
| 6  |  |  | <b>2D/3D Effect</b> <ul style="list-style-type: none"> <li>• The effect of providing depth to the text or logo on the background to make it appear three dimensional.</li> </ul>         |
| 7  |  |  | <b>Two Channel Switch Effect</b> <ul style="list-style-type: none"> <li>• Two different images or texts are visible alternately in the same position</li> </ul>                          |
| 8  |  |  | <b>Three Channel Switch Effect</b> <ul style="list-style-type: none"> <li>• Three different images or texts are visible alternately in the same position</li> </ul>                      |
| 9  |  |  | <b>Lens Effect</b> <ul style="list-style-type: none"> <li>• The effect of creating small spherical lenses to differentiate visual effects.</li> </ul>                                    |
| 10 |  |  | <b>Specific Angle View Effect</b> <ul style="list-style-type: none"> <li>• The effects of specific angle view activate on certain observational angles instantaneously.</li> </ul>       |

# SWEBS

## SWEBS is an Innovative WEB & Mobile Authentication System.

Through the combination of differentiated hologram technology and mobile authentication system, in addition to authenticity checks, it can also be used as a means of various marketing. For example, new product promotions, customer inflows to the brand homepage, Inducement to genuine purchasing site, event, distribution management, genuine registration, customer information collection, etc

### SWEBS Authentication Process



Find encoded QR  
after removing Scratch

Scan by Mobile Phone

\*recommend installing  
SWEBS App

Check  
Genuineness  
and promotion

### WEB/MOBILE Authentication Hologram



#### Encrypted secure QR code

- The QR Code used for validation is a non-replicable QR code generated by a self-developed encryption program.
- All SWEBS products come with encrypted QR codes with different information. When buyers authenticate, the data server confirms the authenticity in real-time.

#### 1:1 Matching System

- 1:1 match between label serial number and hidden verification code.
- Configure different information based on the serial number.
- Reverse tracking of each Verification code.
- It can be used for distribution management.



## WEB/MOBILE Authentication Hologram



### Base product Authentication pages

- Validation message: Validating genuine product at initial authentication.
- Non-genuine message: Confirming non-genuine product.



### One-time Authentication is the principle

- After the initial authentication, it will show:  
Authentication status  
Timestamp for initial authentication  
Count for authentication
- A warning notice will be shown. When the authentication count exceeds the specified numbers.



### SWEBS Authentication Page for Brands

- Each client's brand is offered a unique brand page for imprinting brands to customers and for marketing usages.
- The brand landing page can be revised in SWEBS CMS System.



### CMS (Contents Management System)

- Real-time genuine product authentication with meta-information - country, timestamp, IP, geo-location and etc.

\*System also detects and shows the status of the potential fake product and suspicious authentication activity status.



### SCM (Supply Chain Management)

- Hologram stickers for each individual product's packaging and carton packaging are offered as a set.
- Web and mobile app integrated into each other Check product distribution status.



### CSS (Customer Support System for Warranty)

- The simplest and the easiest way for customers to register products for warranty.
- Replace paper manuals or product instructions.
- Easily manage warranty registration data for CRM.

# Sealticker®

셀티커

**Sealing + Sticker = SEALTICKER**  
**A brand that specializes in sealing labels.**

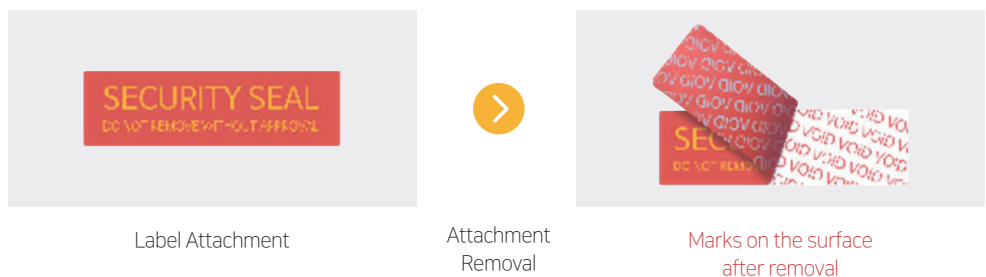
Attach the SEALTICKER to a surface where you need better security or sealing. When you remove it, the SEALTICKER will leave a pattern on the surface, allowing users to know whether the product has been opened or not. Label types include transfer labels that leave patterns on both the label AND the surface of the product, non-transfer labels that leave a pattern on only the label, and 'position-type' SEALTICKERS that leave certain phrases on the surface.

Sealticker Type	Transfer Sealing Label	Non-Transfer Sealing Label	Position Sealing Label
Before Removal			
After Removal			

## Transfer Sealing Label

This label has a mark (VOID) on the surface when it is attached to the place to be sealed and then removed.

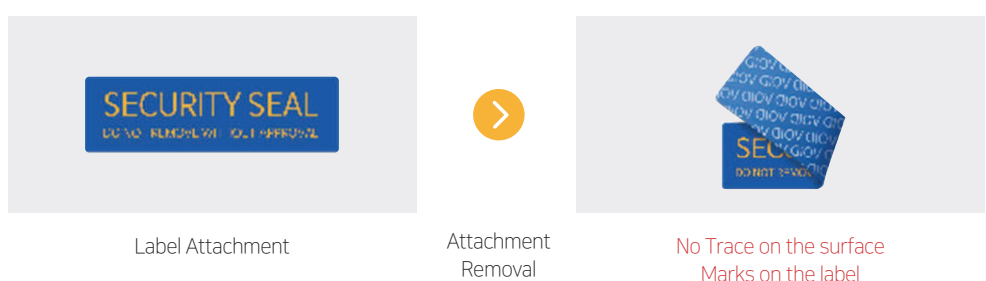
- FEATURES : Confirm whether the product is opened or not by checking a mark(VOID) on the surface after removing the label.
- APPLICATION : Product box seal, Warranty / AS label, Equipment & PC seal, etc.



## Non-Transfer Sealing Label

This label leaves traces (VOID OPEN) not on the surface but on the label when the label is attached to the place to be sealed and then removed.

- FEATURES : Suitable product color when you do not want to leave mold release on the surface after label removal.
- COLOR : Black, Blue, Red, Transparent.
- APPLICATION : Product seal, no photography label, pc, mobile, etc.



## Position Sealing Label

Labels that leave fixed text or logo (not patterns) when it is sealed and removed from the surface. A product allows that the user can leave a company logo or a phrase on the surface.

- FEATURES : Marks remain in label and surface both.  
This is very difficult technology.  
You can use this label for both genuine authentication and sealing purpose.



Label Attachment



Attachment  
Removal



Marks on the surface  
Marks on the label

## Customized Sealticker Production Order

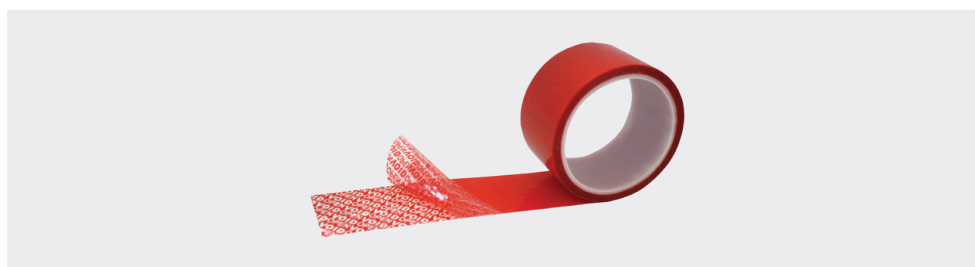
Customization of productions is available. You can print desired size, logo, and phrase. It can be produced in small quantities (numbering printing is available)

Please scan this QR  
for customized order



## Security Sealing Tape

You can choose one type according to sealing purpose. There are two kinds of tape as Transfer tape and Non-transfer tape. It's a carton tape type for sealing. And the customized hidden message is also available. Custom surface printing like your logo or brand, the company name is available. All tapes can be produced by 100% customized.



## Transfer Sealing Tape



## Non-Transfer Sealing Tape





SECURITY AUTHENTICATION

Protect Your Valuable Brand and Copyright from Forgery



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