

What applications are your PTEC security solutions good for?

H.W. Sands Corp. offers EXCELLENT and SIMPLE turn-key solutions for protecting authentic products and documents from any kind of counterfeiting or forgery. From government Tax-Stamps to ID cards, from liquors and cigars to expensive hand bags - we can authenticate any product or document with PTEC security solutions.

Our labels and films are tamper evident by their nature. Yet, if requested, we add powerful tamper evident attributes to our solutions and thus make sure that our customers can make sure that their products are not tampered with.

What is the advantage of our PTEC security offering over other security solutions?

Our first and largest advantage is our proprietary technology. As our PTEC latent imaging security technology is a unique technology, known only to us, it is nearly impossible to be imitated. Our second largest advantage is the fact that our "verification device" is a very low cost, reliable and easy to use polarized lens that can be distributed in large numbers to company inspectors, customers or distribution channel partners. We offer competitive pricing and many other advantages that are more application dependant.

What are some equivalent PTEC technologies that exist today?

There are other Latent Image printing technologies. The greatest disadvantage of these technologies is that they are widely known (i.e. available to counterfeiters). Furthermore, with the other technologies the validation instruments are expensive and complicated. Our technology is accessible to us only and we offer a simple, low cost authentication device that easy to use and needs no maintenance.

What are some competitive PTEC products?

The most commonly used competitive product is the Hologram.

What are the advantages of PTEC security measure over holograms?

Holograms are impressive to look at and seem to be an attractive "professional" authentication solution. Yet, since hologram making equipment is found all over the world and used for many years, potential products or document counterfeiters can produce holograms by themselves (many even operate from a garage operation).

Moreover, authentication with holograms requires judgment whether the hologram is authentic or not. The authentication is therefore very subjective and requires experience and expertise in finding minor differences or details that might have been unnoticed by the counterfeiting party.

How does the PTEC security solution compare to the industry standard?

We believe that our solution is far superior to the industry standard - the hologram along with various color shift security technologies.

How easy it will be to imitate the PTEC security solution?

Duplicating the PTEC security technology will be a major technological development task that will take many years and millions of R&D Dollars to accomplish. Leading-industry organizations have conducted experiments to duplicate us with no success.

What makes it so difficult to reproduce PTEC technology?

Mainly the complexity of the chemistry involved in treating the polymers used and the many parameters involved in the process.

Can the PTEC products be integrated with other security technologies?

Yes. Currently we integrate our labels with Holograms, tamper evident strips, track and trace technologies and with a Crystal Dome (CRYSTALIT). The PTEC latent image can be a single, powerful anti counterfeiting measure or be a part of larger security system. For example, one of our clients wanted us to help them prevent counterfeiting, product tampering and provide a latent track and trace means so the customer can quietly investigate sources of inventory deviations. We supplied a tamper evident container closure film to answer his first two needs. The track and trace measure was supplied by a third party, embedded secretly into the product label, and enabled the customer to find the weak point in their supply chain.

Is your PTEC security technology easy for the consumer to verify?

Yes, please see the next question.

What is the Authentication Method?

It is very simple. All you need a piece of standard polarized lens (it looks like a transparent, darkish plastic filter). Once you put the polarized lens against the label you should see the embedded hidden image. The image is authentic if, and only if, it can be seen via the polarized lens.

Do you offer an automatic PTEC authentication method?

Yes. We have developed an authentication station that is very simple, low cost and can be placed on any retail counter or documentation checkpoint. This system can be integrated into automated entrance systems or other systems where machine authentication or data recording is needed.

Can this PTEC solution be used as a stand alone solution?

Yes PTEC labels and films are nearly impossible to forge and, if needed, tamper evident. Using PTEC labels as a stand alone solution is a powerful anti-counterfeiting measure that usually does not requires any additional 3rd party solutions.

Where can I get the PTEC technology-product/information/samples?

You can contact us at H.W. Sands Corp. at +1-561-743-8090 or send an e-mail to jeffreystahl@aol.com

Can you make PTEC labels with different sizes and shapes?

Yes, we can make PTEC security labels with any shape and size, as long the width does not exceed 180mm (7").

What forms does your PTEC product come in?

The PTEC product comes in film or label form or as CRYSTALIT (label coated with a Crystal Dome). If your solution requires placing the PTEC latent image on plastic or paper sheets, printed or clear, we can supply this service also.



Is your PTEC security solution technology expensive?

The PTEC security solution is very cost effective compared to other authentication technologies. In most cases our labels will not cost more than the competition while offering much better security.

How do you price your PTEC products?

The price of our PTEC security labels varies, where the major influencing attributes are the size and shape of labels and the total order quantity. For a detailed quotation please contact us for an exact quote.

Where can I find the standard PTEC polarized lenses?

The polarized lenses can be supplied by H.W. Sands Corp.



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