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“Clear Your Risks - Seize Your Opportunities”

**ANTI-COUNTERFEITING
SOLUTIONS**

WHAT MAKES TDN DIFFERENT FROM OTHERS

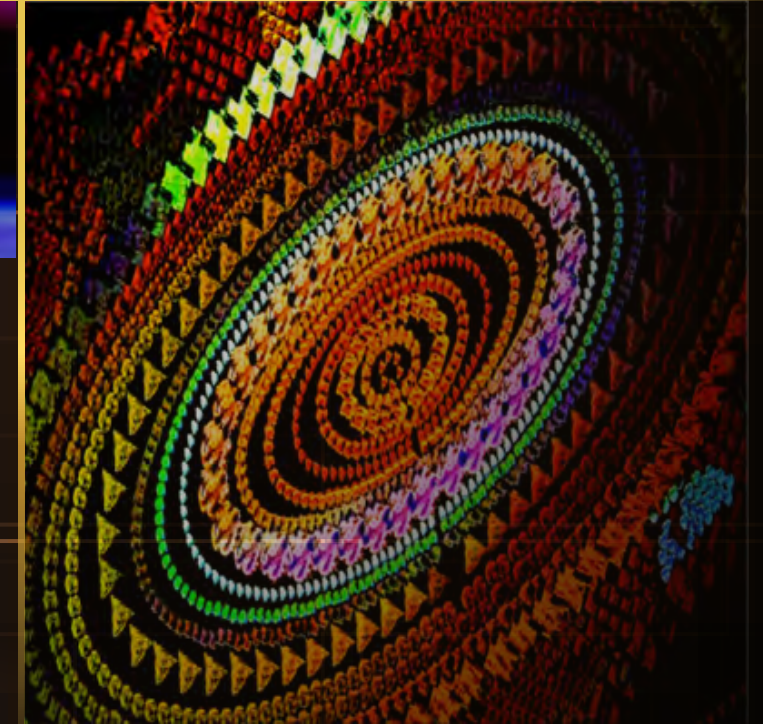
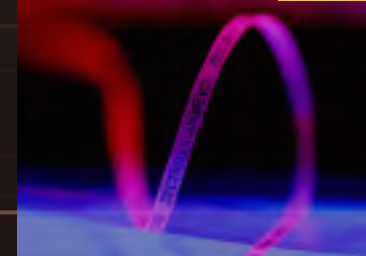
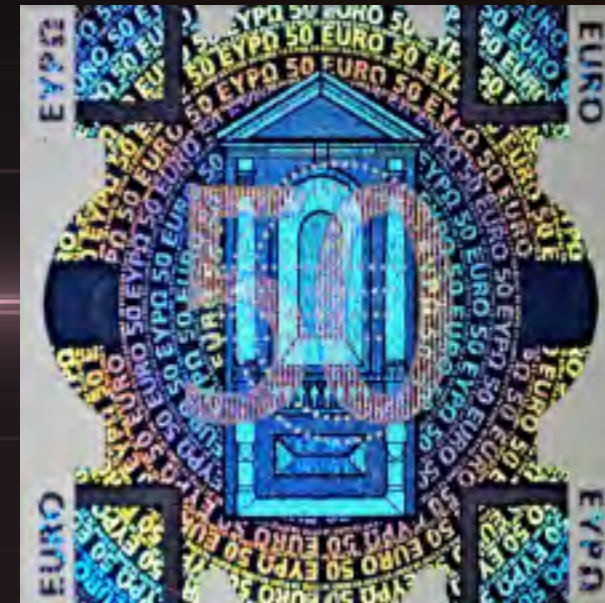
Tin Dan Company Limited known as "TDN" has a long-standing history as a marketer of specialty products in the Holographic Industry, with our accumulated experience and expertise, combined with progressive manufacturing technology, we can offer state of the art products with reasonable prices.

Across the function of the management team, our clients have convinced by us to believe that we can protect their brands. The technology has conquered many top brand groups and become a pioneer since 2007.

There are only a few countries in the world that have this technology. You will have the international Hologram brand protection registered by us within IHMA (International Hologram Manufacturers Association).

Our solutions in hologram applications

- Laminates / Transfer technology
- Anti-counterfeiting/ Heat-resistant label
- QR codes / Barcode Hologram
- SMS track and trace



MAIN TECHNOLOGY: E-BEAM TECHNOLOGY

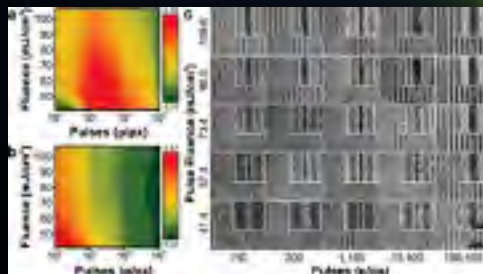
E-beam Technology Features

- Using a microscopic electron stream generated by the computer and precisely controlled through special devices to create an image on the anti-counterfeiting product with various security points.
- Secure images created by complex mathematical formulas by mathematicians and physicists. Currently, not many factories have this technology. Make e-beam anti-counterfeiting products highly unique.
- This is the most difficult anti-counterfeiting technology to copy at the moment. Commonly used on passports, security documents, anti-copy in many parts of the world.



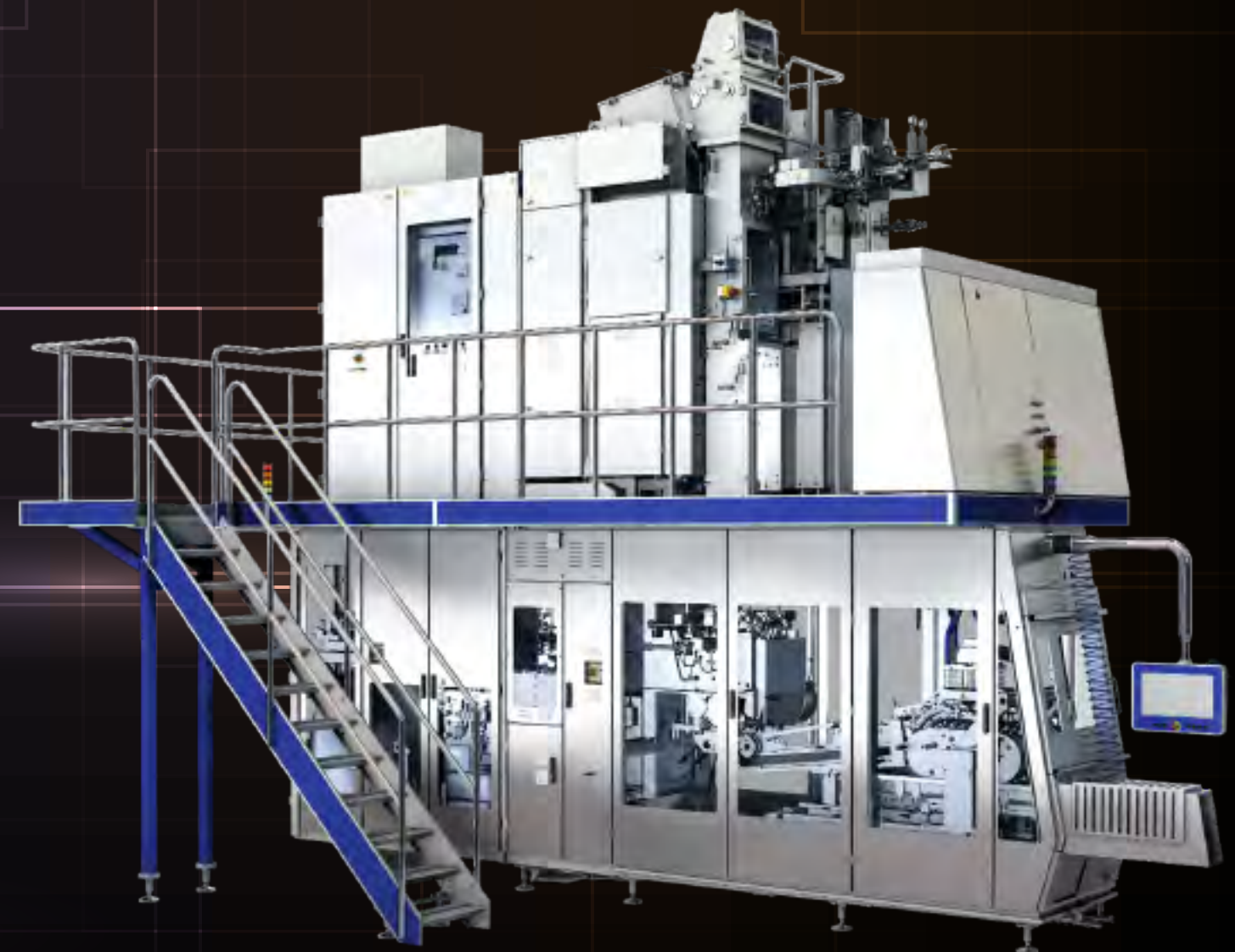
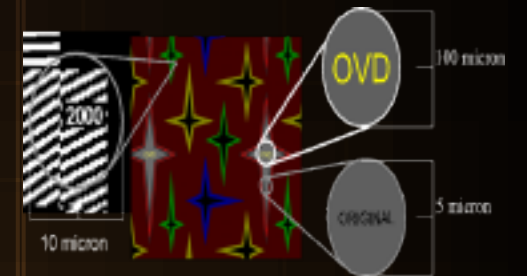
Resolution Up To 1,000,000 dpi

Up to 1.000.000 DPI images creates unique dots for your brands, this technology allows to creating switch effects, which involve 2D image with sizes ranging to several hundred microns. This effect can only be seen by magnifying lens.



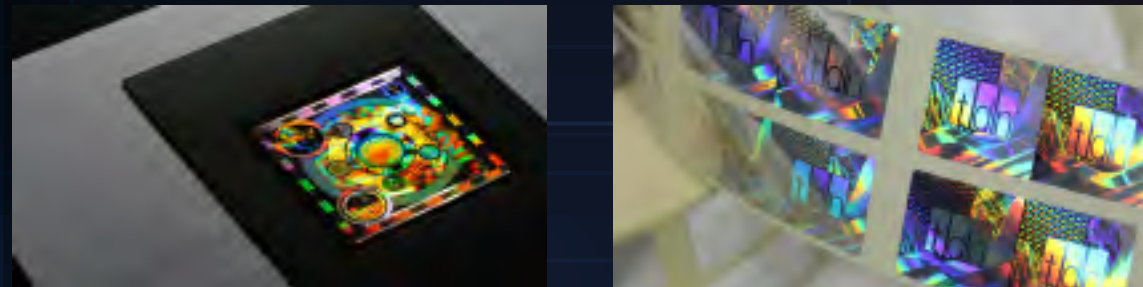
E-beam technology also allows implanting into holograms micro and nano-texts sizes as small as several microns. Micro texts with sizes of less than 1 micron and micro texts with sizes exceeding 5 microns can only be seen by microscope.

This technology has been internationally applied to VISA | Passport and super secure documents of corporations around the world.



ANTI-COUNTERFEITING PRODUCTS

Anti-Counterfeiting Security Hologram Label



Hologram label applying e-beam technology are created using a very complex and very comprehensive electron beam lithography system. This type of technology enables the creation of three-dimensional surface images with a resolution of up to 0.1 micrometer (254,000 dpi). This technique requires the development of different algorithms for designing optical elements that shape scattered radiation patterns. This type of hologram provides features like four laser view at a single point, transition effect, 3D effect, hidden image, laser readable text and true color image etc.

Vivian Senso Label



EXCEPTIONAL FEATURES

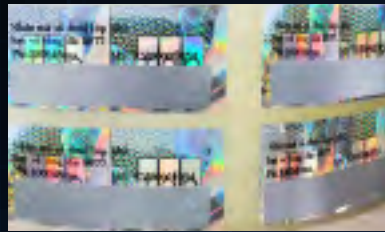
- To avoid reuse when trying to temper with label.
- Heat/cold resistant features to avoid illegal reusage of the label

Heat-resistant label, also known as vivian senso label, are anti-counterfeiting label with a superior combination of hologram label applying e-beam technology and effective heat treatment technology.

Heat-resistant label have a strictly controlled production process to ensure that the label provided to customers are unique. Therefore, label cannot be faked or counterfeited by other factories with the same technology. This helps to prevent as well as limit the counterfeiting of anti-counterfeiting label products provided by Tin Dan. In parallel with e-beam technology, the label integrates an anti-heat method to ensure that all heat impacts make the label completely non-reusable.

ANTI-COUNTERFEITING PRODUCTS

SMS Anti-Counterfeiting Label



Anti-counterfeiting SMS labels developed by Tin Dan are a great combination of hologram labels applying preeminent e-beam hologram technology and modern digital authentication via sms switchboard.

QR Code Anti-Counterfeit Label



Unlike other labels on the market, Tin Dan's QR code anti-counterfeiting label are applied advanced e-beam hologram technology and digital technology to encode product information into the QR code on the label. When needed, users can use smartphones to scan this QR code to check.

Holo QR Code Anti-Counterfeiting Label



HoloQR anti-counterfeiting label is a line of anti-counterfeiting labels with a superior combination of hologram label using e-beam hologram technology and advanced digital QR code technology. Unlike normal QR codes, the QR code on the holoQR anti-counterfeit label is not printed or laminated by any traditional means. This QR code itself is part of the hologram design. Making this QR code very difficult to counterfeit and almost impossible to appear on counterfeit labels on the market.

HRI Film For Gold Blister



Tin Dan "TDN" is the only unit in Vietnam that is certified as a London-based IHMA member. And we have successfully provided solutions for more than 40 brands. Helping many businesses regain revenue from the counterfeit market share, including brands such as Ajimomoto, Paint Dulux, Paint Maxilite, SJC gold...

The new packaging on the SJC gold piece has security points such as the "SJC" logo visible to the naked eye. The logo will alternately change color and do not change color according to the viewing angle.

DIFFERENCE WITH THE REST OF THE MARKET

- 1.** E-beam technology: Different from other anti-counterfeiting solutions - create security spots by printing technology (UV ink, water ink, UV ink) or conventional hologram technology (7 color hologram label lines) with the characteristics very easy to copy.
- 2.** Expenses incurred due to anti-counterfeiting labelling - a human resource problem to be solved. Tin Dan hologram labels offer easy integration with popular labelling machines.
- 3.** The security product lines created by E-beam technology are highly secure and difficult to duplicate.

With Tin Dan's anti-counterfeiting products, businesses do not have to worry because

"Anti-counterfeiting labels are also counterfeited".