



LogoPerf® and NumberPerf® Laser perforated security features

Whether you are producing passports, cheques, certificates, tickets, licences or any other paper based documents worth protecting, why not consider laser perforations for extra security?

Success story

Back in 1995, IAI made its first steps into the security printing market. We supplied a laser system to secure bank cheques. Cheque fraud was costing a Dutch bank a lot of money. IAI's laser system was used to perforate the account number through the cheques. This offered protection against tampering with the printed account number. After the introduction, the bank never encountered a defrauded cheque again. Return on investment was reached within two months.

Synergy with other features

This success story shows the strength of combining IAI's laser perforations with other features. In this case, the account number was perforated through the hologram, altering

the document and the hologram irreversibly. A forger cannot replace the material that has been taken away with laser energy. This leaves them no other option than to forge the entire document with all its unique security features, a futile activity.

Simplicity

Of course, the success of a security feature also lies in the ease of use. It has to be recognised and remembered by the public. They must be able to check the feature without tools or training. IAI's laser perforated features are first line features; they are visible with the naked eye and easy to check. You simply hold the document to a light source to see the perforations.

Economical solution

No expensive consumables are necessary in order to create laser perforated features. It requires an initial investment in the technology. After that, operational costs are very low. So the more documents you process, the lower the cost per document will be.

Highlights

- Simple, first line features
- Protection against digifeiting
- Protection against tampering
- Synergy with other features
- Easy to integrate in document design
- Economical features for large volumes
- Proven track record

Tilt your expectations



iai industrial systems



LogoPerf

Special laser technology is used to perforate fine lines through the document substrate. These lines together form an image which can have almost any desired form.

LogoPerf offers security similar to a watermark. The feature offers good protection against digifeiting as it cannot be copied by a copying machine or a scanner.

Contrary to mechanical perforations, laser perforations are not characterized by burrs or bulging. This can be easily verified by the naked eye or feel.

The LogoPerf feature can be easily integrated into an existing document design. The perforated logo is hardly visible when looked at under normal conditions. However it will become clearly visible when the document is held to a light source. The feature does not interfere with the print on the document and can be positioned anywhere on the page.

Also, a perforated logo will be noticed and remembered by the public because of its distinctive character.

LogoPerf can be used to protect documents such as passports, diplomas, certificates, entry tickets, etcetera.

NumberPerf

The NumberPerf feature offers all the benefits of the LogoPerf feature described before and more.

Because the perforated alphanumeric information is often unique, the number actually personalises a document. This has two advantages:

Firstly, if the same number is also printed on the document close to the perforated number, an easy cross-check is all it takes to authenticate the document.

And secondly, if the number is perforated through another feature such as a hologram, this feature is also personalised and cannot be used to create fake documents.

NumberPerf can be used to personalise and protect numbered documents such as cheques, registration forms, tickets and licenses among others.



LogoPerf

Small slits are laser perforated through the document substrate to form a distinct image



NumberPerf

Small slits are laser perforated through the document substrate to form a legible number