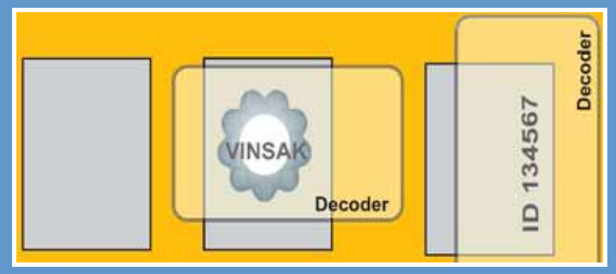
Hidden images in dots and lines

Using this feature invisible information can be embedded into artwork. The resultant image is indiscernible from the original and can only be revealed by using a special lens that matches exactly the digital signature of the image. This lock and key approach is excellent for brand protection where covert information can be checked by authorised personnel.



Single Hidden Image / Dual Hidden Image / Special Decoder Design / Images @Different Angle

Anticopy Designs:

Anticopy feature provide efffective first line defense against photocopiers. All these effects are now applicable to Logo, Text, Any word etc. The Path Splitter is an way of generating anti-copy images in a fast and intuitive way. It can be applied to either Flat or Grayscale images making it suitable for any design and unbelievably the lines can even be used with the Warp Effect! A file is supplied and tested on the customer's imagesetter and press to ensure the designer uses the appropriate line frequencies and the distance of the split path.

7 Different Anti-copy Patterns | Split Path | Multi-Dot | Twin Wire | Line-Length

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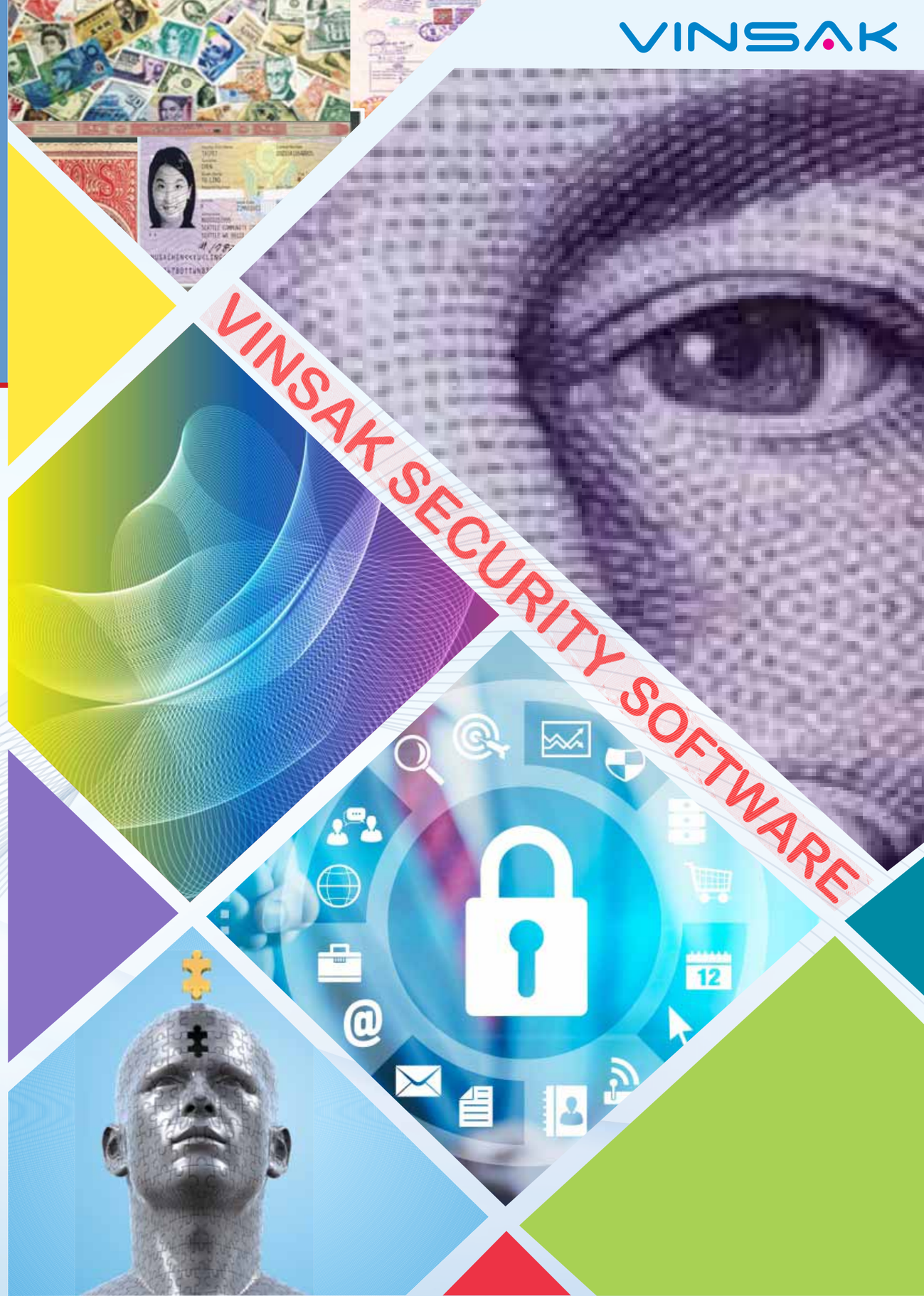


Secure Printing:

A. Vector Module

Features:

- Hidden Image in Lines
- Guilloches Designs
- Twin Wire Anti Copy
- Line width modulations
- Relief with Modulations.
- Morphing, Elliptical effect,
- Spiral, Two-Wheel, Three- Wheel
- Super Numismatics/ Relief Generators
- Round, Square, Square Border, Frames Generation
- Oblique wave, Patterned, Opaque, Round frame Reliefs.

B. Raster Module.

Features:

- Line Length
- Latent Image
- NanoText / MicroText
- Decoder/Film Design
- Hidden Images in Micro-text.
- Hidden Images in CMYK Dot width.
- Anti-copy Design (DW, 7-Dot pattern)
- Single and Dual Hidden Images. (Image visible with Special Decoder)

Applications:

Tickets
Pass books
Security Labels
Packaging Cartons
Oil and Cosmetic Products
Certificates and Permits

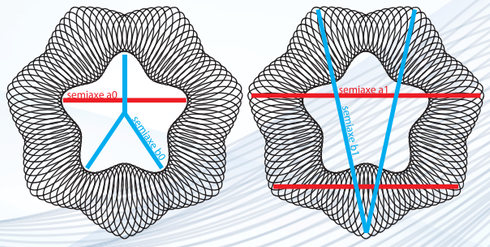
ID Cards
Savings books
Driving licenses
Cheques, vouchers
Tax revenue stamps
Passport, Visa

In its latest form **Security Desings** provides a host of features essential to the design of secure documents. Feature provides an extensive yet easy to use palette of tools that enable any designer to apply high security banknote-type features to a design.

STANDARD SECURITY FEATURES – DESIGN DEPENDENT

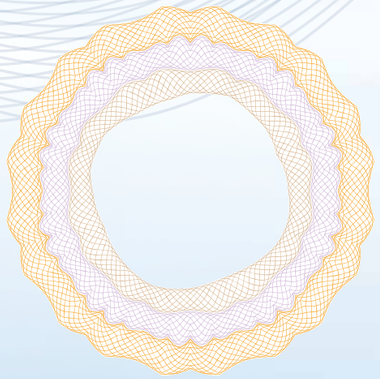
Spirals, 2- Wheels, 3 Wheels

Original Math Technique which were used traditionally to create these characteristic security devices that have been used successfully on passports, certificates and banknotes for over a century. You can now create Guilloches that have remarkable appearances and that could not have been created before. Facilities include Spirals, 2 and 3 wheel Guilloches, Stencil Guilloches.



Border Generation

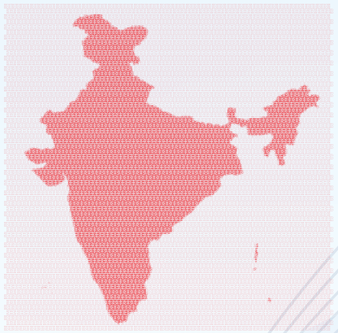
The Border module is a development of the established mechanical Engraving techniques brought up to date. I t greatly extends their possibilities to include spirals, waves and reliefs,round borders and offers you the possibility of producing complex security effects beyond the capabilities of mechanical methods. The Border module is simple to use and produces results that are remarkably difficult to copy by any other method.



Relief Generation

A consistently popular security device, based on traditional techniques, is created with the Relief generaters and Super Numismatic module, which enables you to apply relief effects to any background with facility and versatility. Many of these effects were previously either difficult or impossible to achieve.

Features include Oblique Waves, Patterned Presets, Deep Reliefs, and Round Frames.



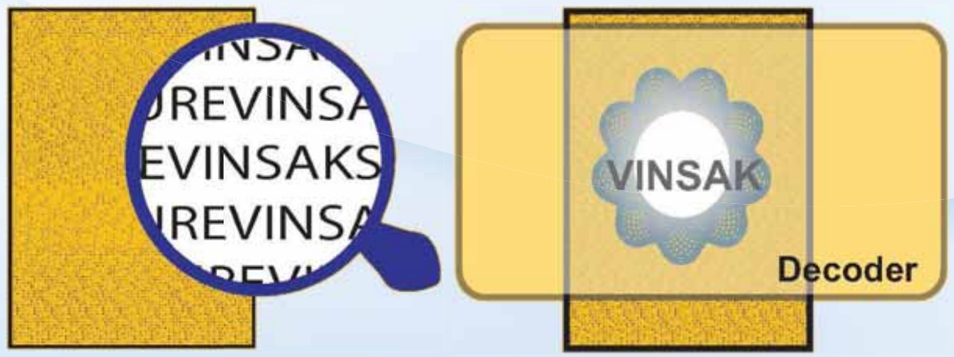
Pattern Relief

A patterned relief is simply a relief made up of lines in a pattern. The same rules apply to the patterned relief as to the rest of the relief generator.

The pattern type identifies one of six predefined patterns that are used as line fill for relief modulation.

Line Modulation

With the Line Modulator module, you can define almost whatever pattern of paths that you wish to use to modulate or your selected halftone pattern. Use your own repeating patterns, or create subtly varying patterns to produce pure vector output that is almost impossible to replicate. This module offers a very high level of security combined with a satisfying level of artistic creativity.

Microtext/ Nano Text / hidden image in Micro Text

This effect uses a larger cell size than others. While 150-200 lpi are normal values for other effects, for this one a lpi of 72-75 is best suited. Smaller cell size results in higher lpi, and the microtext becomes too small to be read. This achieves a well hidden image that still has good contrast when viewed through a line filter of the same lpi.