



ESSENTRA

HOLOGRAPHIC TAPES

Combines a high-impact look with simple security features.

Prism: A range of holographic effects available in stock from 2.5mm width.

Prism Plus: Combining holography and print for maximum brand awareness.

Prism Ultra: De-met holography delivering impact on pack where you need it.

Prism Uniq: Unique hologram designs for maximum security and brand protection.

Features

High impact

Enhanced branding

On-shelf standout

Brand protection

Indicates authenticity and difficult to replicate

Easy to introduce with minimum disruption

Simply substitute existing tear tapes

Application equipment can be retrofitted to existing production lines





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HIDDEN HOLOGRAM LABELS

Provides clear evidence of tampering, enabling authentication as part of a brand protection programme.

Features

Holographic feature remains hidden until removal is attempted

Available as a clear or printed label for additional real estate

Impossible to replace or reuse

Dry-peel feature ensures no sticky residue is left behind

Customisable through print, design, shape and size

Additional security option using high-security print





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HOLOGRAPHY

Holographic products provide excellent public recognition features that complement and enhance brand security.

Features

First-level identification device

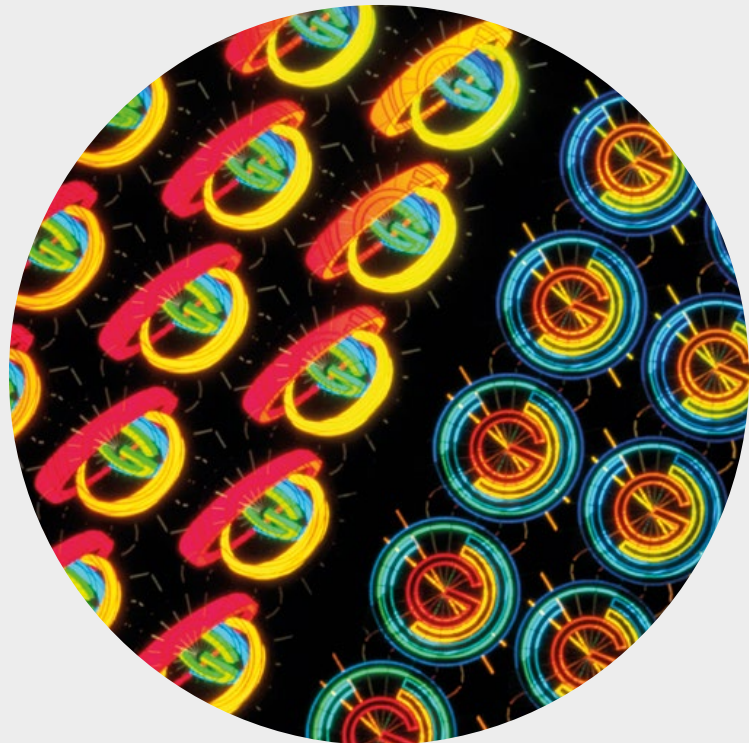
Nanotext and hidden images can be incorporated to increase security level

Secure in-house design

Hot stamping foil (HSF) and cold foil applications

Able to integrated into packaging and labels

Finishes include both metallised and high refractive index (HRI) transparent effects





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SECURITY DESIGN

We offer a wide variety of techniques to create unique overt and covert fine-design security solutions to banknote standards. Using non-specialist inks to print on to a wide range of substrates via high-definition print techniques.

Features

Naked-eye and detailed magnification authentication

Difficult to copy

Microtext and logo print (80 microns)

Relief images

Warp grids

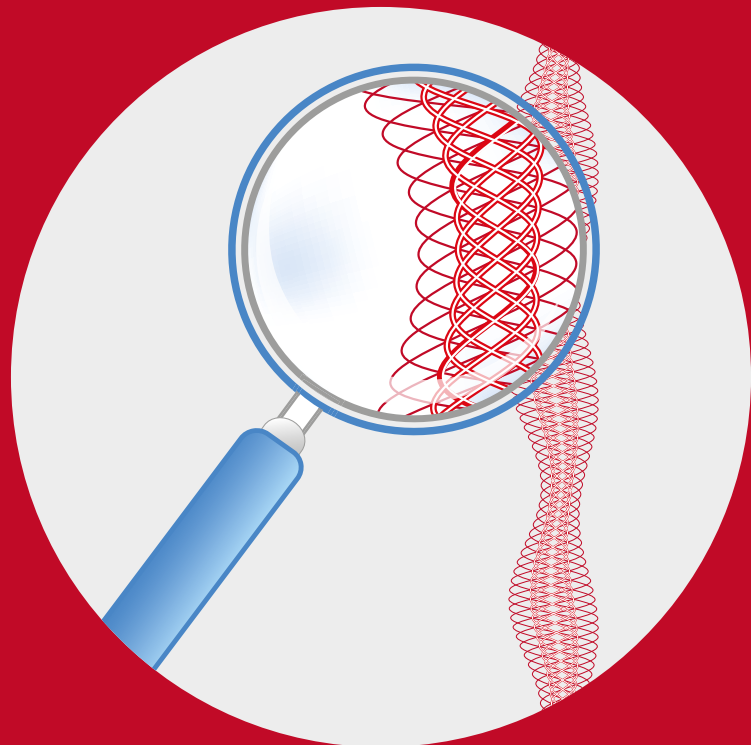
Variable line width

Guilloche designs

Crystal patterns

Special rasters

Numismatics





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COLOURSHIFT INKS

High-level overt authentication solution colourshift inks appear as two or more distinct colours when viewed from different angles. Essentra offer both high-security and lower-cost decorative effect colourshift solutions.

Features

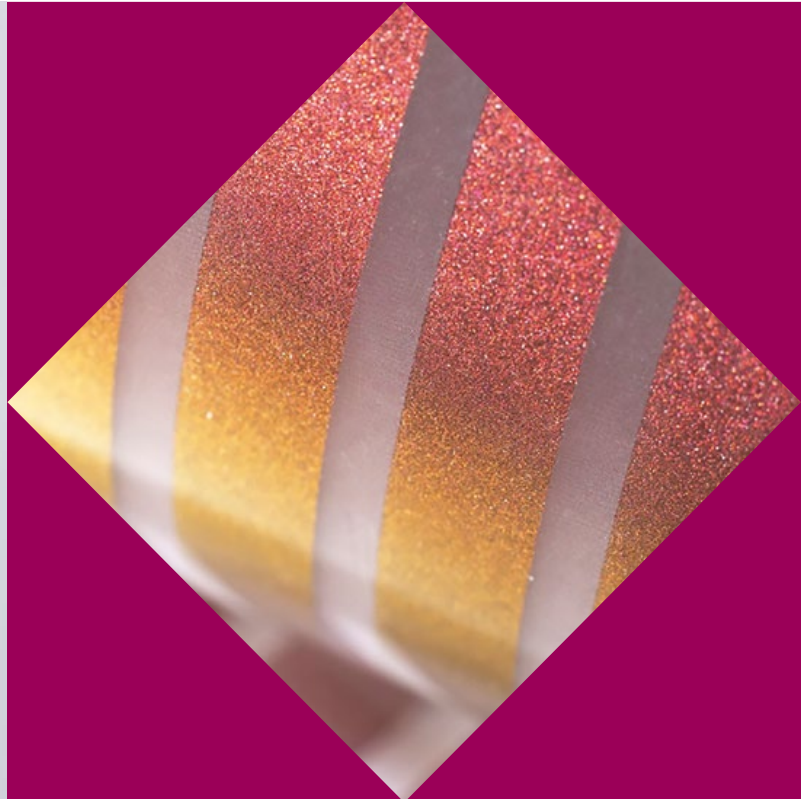
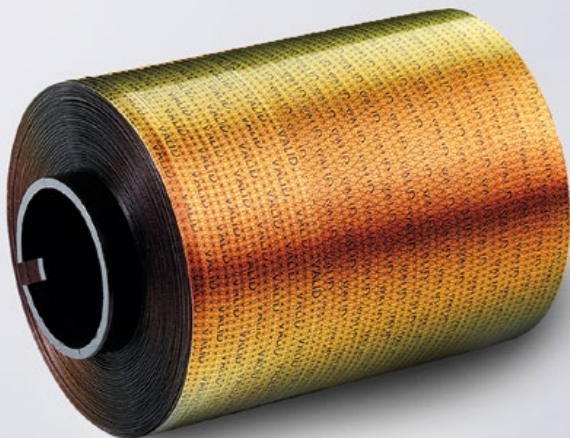
Easy visual consumer verification

Strong opaque and subtle transparent effects available

Design can complement existing graphics

Highly specialist technology

Supply controlled by strict codes of conduct





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PEARLESCENT INKS

Patron® pearlescent inks offer a cost-effective anti-copy low-level security feature.

Pearlescent 100 Series: The Frost Collection
Glitter effect available in silver and gold

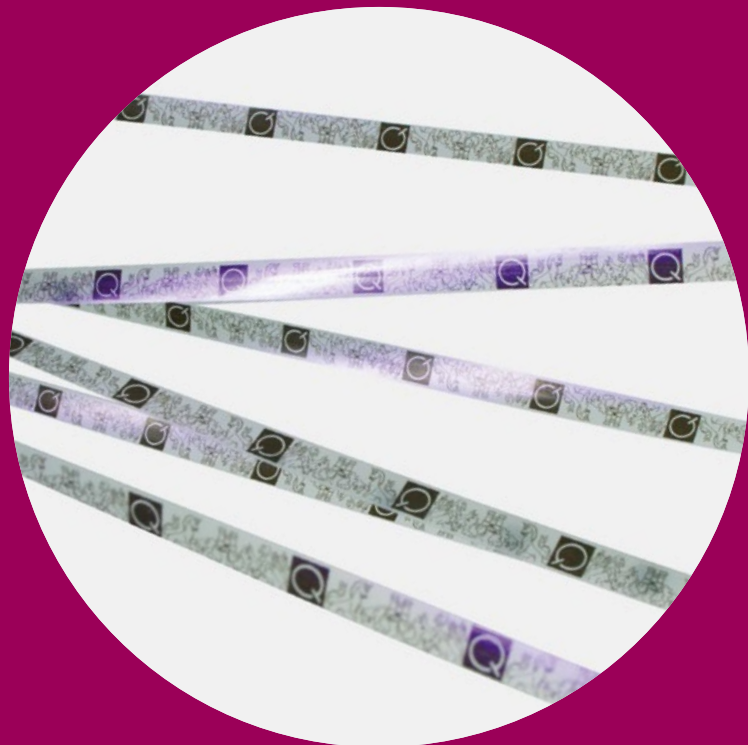
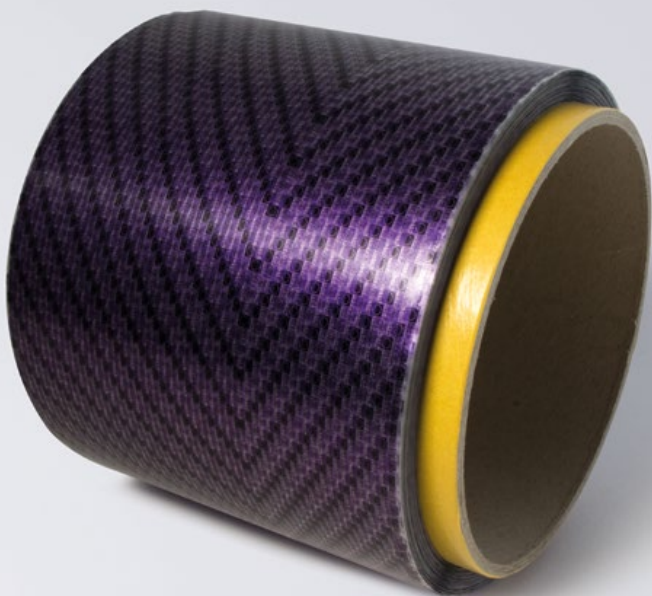
Best impact achieved when printed over dark background

Pearlescent 200 Series
Pearlised print effect

Available in a wide range of colours

Creates an on/off effect when printed on white/clear backing

Vibrant metallic effect when printed over dark/black backing





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UV INKS

Covert security inks visible only under UV light.

Features

Images, text and fine-line designs can be printed in a variety of colours

Detection devices readily available

Inks visible at different wavelengths offer increased levels of security

Used to enable trained personnel to recognise genuine products

Difficult to detect and replicate without correct detection equipment





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PATRON® TAGGANT

The Patron® Taggant authentication system provides unrivalled protection for high-value counterfeiting targets, including consumer goods, luxury items and safety-critical products.

Features

Invisible marker detectable by specialist handheld devices

Security and confidentiality guaranteed

One of the most secure authentication solutions available in the market

Incorporates easily into existing designs and production processes

A closed-loop, end-to-end security system





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TAGGANT READERS

Patron® Taggant readers authenticate the presence of Patron® Taggants. The Essentra readers are supplied fully programmed and calibrated, with a 12-month warranty. Patron® Taggant readers cannot be reverse engineered to reveal anything about the taggant material.

Essentra offer two reader types as described below.

TPR (taggant pocket reader): Offers a compact design for greater discretion. Ideal for field authentication of fast moving consumer goods (FMCG). Provides authentication response by LED and/or vibration in two seconds.

HHR (hand-held reader): Designed for authenticating flat surfaces such as cartons. Provides authentication response in two seconds by LED and/or text display via the programmable LCD screen.





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PATRON® TAGGANT POCKET READER (TPR)

The Patron® Taggant authentication system provides unrivalled protection for high-value counterfeiting targets, including consumer goods, luxury items and safety-critical products. The Patron® Taggant Pocket Reader has a compact design for greater discretion making it ideal for field authentication.

Features

Authenticates the presence of Patron® Taggants

Designed to fit in the hand for maximum discretion

Ideal for authenticating fast moving consumer goods

Patented reader technology

Definitive answer by LED or vibration in 2 seconds

Technical specification

Power source: Standard CR2 Battery

Battery life: Up to 16,000 reads

CE mark: Yes

IR LED: LEDs are safe to eyes when used in accordance with manufacturer instructions

Warranty: All readers come with 12 months warranty as standard

Weight: 50g (with batteries)

Dimensions: 88mm x 36mm x 19mm

Recommended operating range: 5° – 35°C





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PATRON® TAGGANT SECURITY SEALS

Patron® Taggant Security Seals combine the tamper evident benefit of injection moulded security seals, with the added protection of Essentra's in-house, patented Patron® Taggant authentication system.

With developments in rapid prototyping and 3D printing together with the proliferation of non-accredited manufacturers in the marketplace, it is becoming ever more important to ensure that your tamper evident seals are authentic and not replicas put in place after an attack on goods in transit.

Our Patron® Taggant system can be applied to any plastic seals that we make and can offer you the peace of mind that any seal can be verified for its authenticity as well as the standard visible tamper-evidence features.

The covert nature of the Patron® Taggant means that criminals will not even be aware that this feature exists so will not make any attempt to copy it. This allows our customers to protect their brands' reputation and revenues by countering forgeries.

Features

Layered security solution; tamper evidence and covert-forensic level authentication

Invisible marker detectable by specialist hand held devices

One of the most secure authentication solutions available in the market

A closed-loop, end-to-end security system

Patented, fully programmed and calibrated Patron® Taggant Pocket Readers (TPR) for discreet detection of Patron® Taggant

No impact on security seal performance or appearance

