

Holograph INK Process

Bringing Innovative
Technology
To the End User



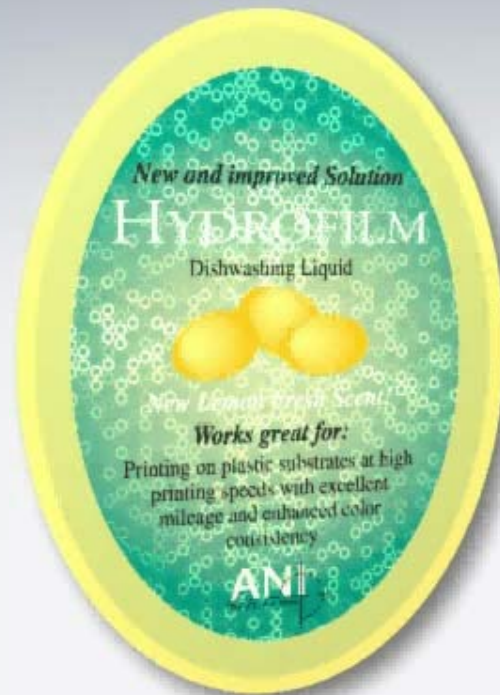
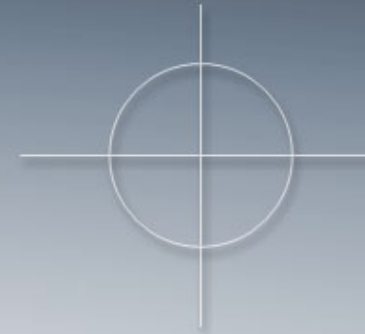
HolographINK Process

What Are The Benefits?

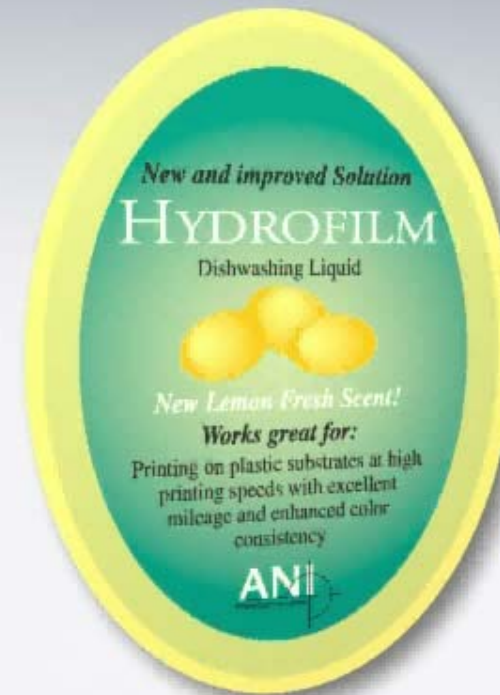
- Brings a new and innovative label effect
- Unique product offerings, can not be duplicated
- Eye catching, attract consumers to your brand
- Globally available with security for brand owner
- Lowest cost holographic decorative method



HolographINK Process



Holographic Image



Standard printing

HolographINK Process

What Are The Benefits?

- Proven suitability on a wide variety of substrates
- Capability of being used with many different ink technologies and suitable for combination printing
- Capability to print different colors using the same holographic image
- Most cost effective way of using Holographic images (cheaper than Hot foil metallic!)



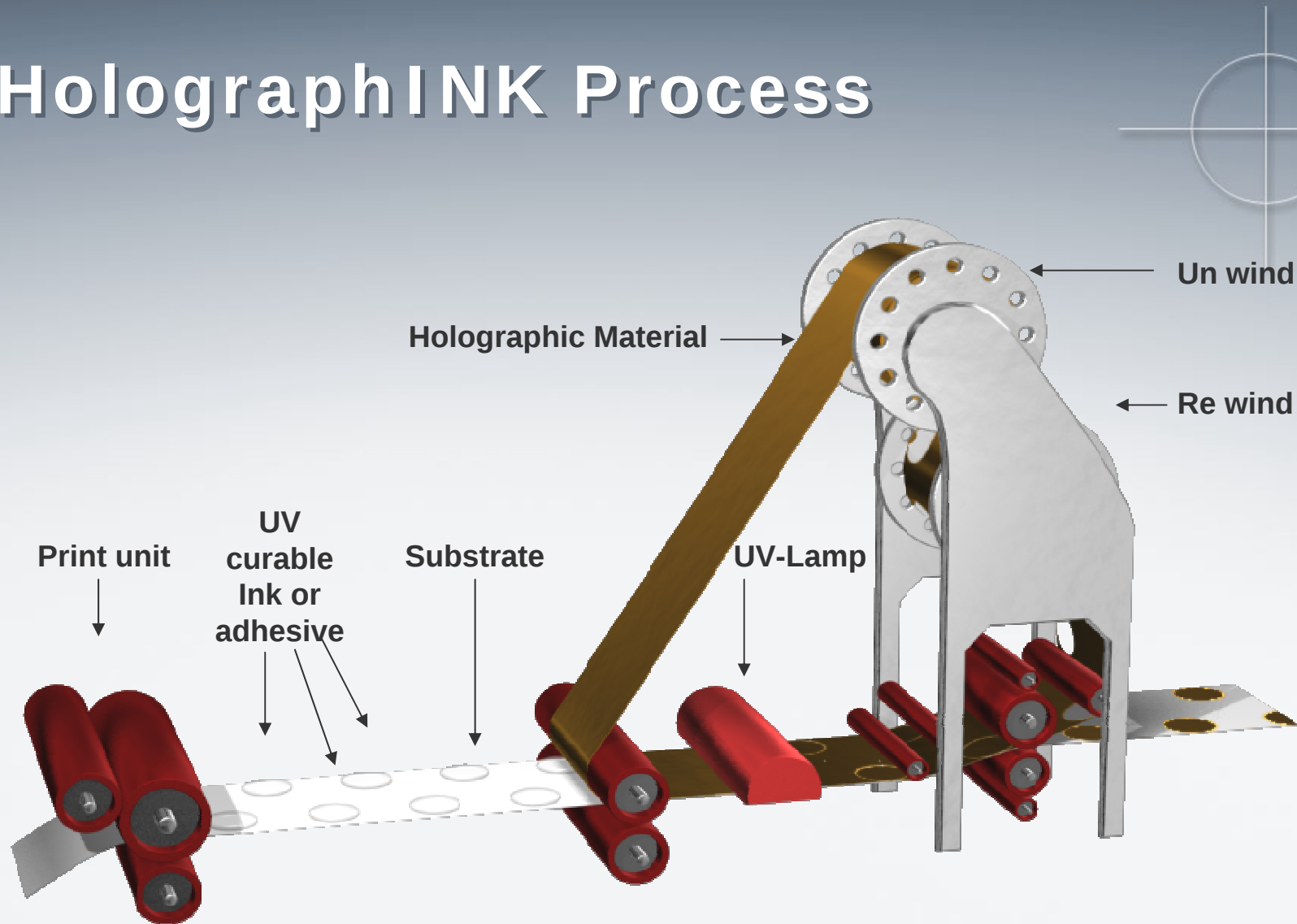
HolographINK Process

What Are The Benefits?

- Capability to print holographic screen images, which allows for the holographic image to appear in countless colours and areas of a label
- Allows for higher printing speeds compared to hot foil holographic imaging
- Print holographic images not achievable when using holographic substrate at a lower price



HolographINK Process



HolographINK Process

How is it done?

- Image is created via a printing plate
- UV curable ink or adhesive is used
- Holographic image is laminated over wet un-cured ink or adhesive
- Pass through UV lamp and ink or adhesive cures through foil, and bonds holographic material to base substrate creating a holographINK image



HolographINK Process

Unlimited Images

- Final design is built on 3 elements:
 - Foil pattern
 - Ink / Adhesive shade
 - Design / image creation
- Same foil can create 1000 of colours and patterns
- HolographINK foil is available in:
 - Standard range
 - Alternative patterns
 - Personal designed patterns
 - Security Patterns



HolographINK Process

Standard patterns



HIP00059 Lots of dots

Over black Over white



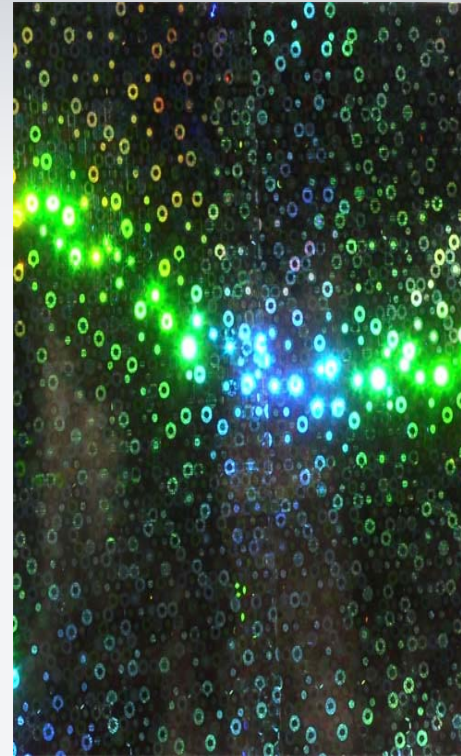
HIP00038 Cracked Ice

Over black Over white



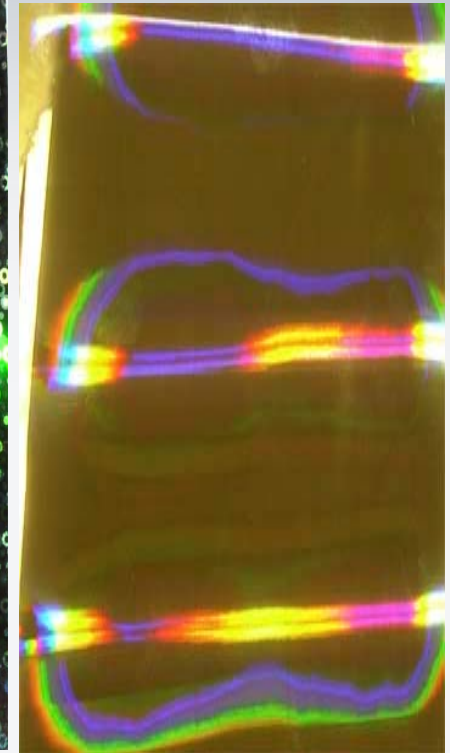
HIP00065 Donuts

Over black Over white



HIP00078 Pillar lights

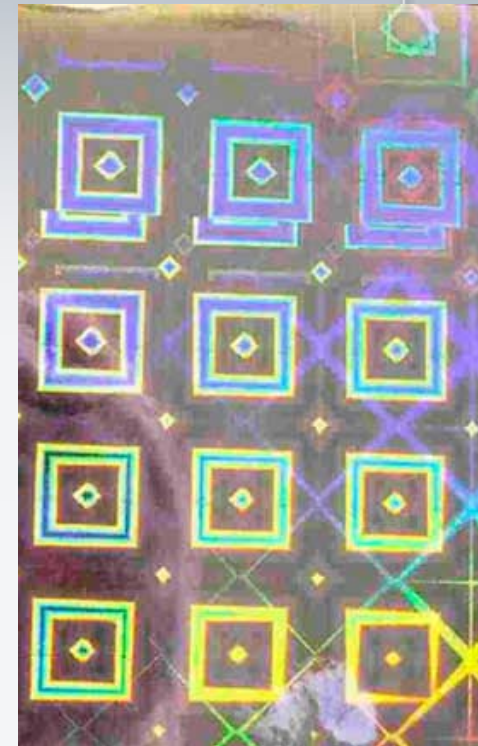
Over black Over white



NOTE! These images are digital pictures trying to illustrate the patterns but the effect of HolographINK is difficult to reproduce this way.

HolographINK Process

Alternative patterns



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HolographINK Process

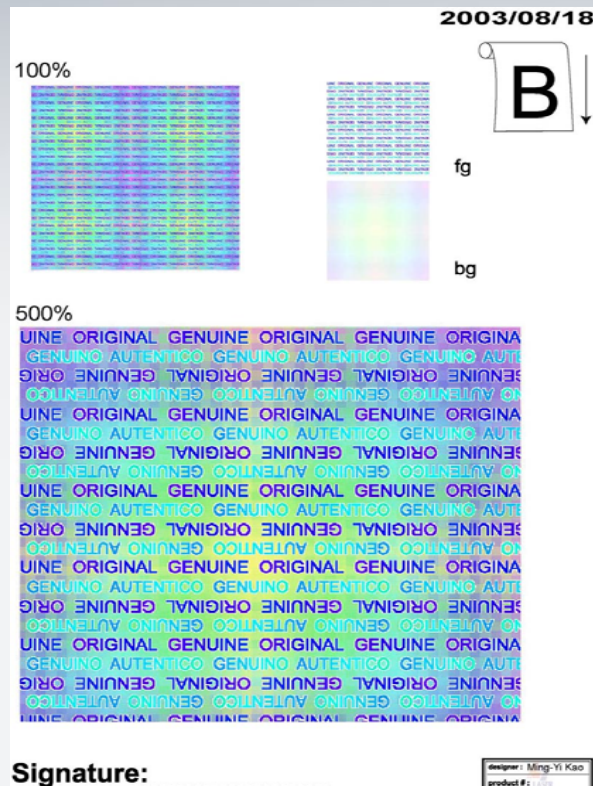
Security patterns



ASIA

#K204

#Asia



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HolographINK process

Based on standard patterns



Cost Index	10 000 labels	50 000	100 000
Rotary hot foil	205	42,77	22,44
Dieless metallic foil	8,41	4,03	3,48
Holographic PS substrate	14,61	10,67	10,14
Holographic Hot foil	208,14	45,47	25,14
HolographINK	14,83	9,38	8,83

Cost estim per 1000 labels in Euros



HolographINK Process

How to get started

- Upfront agreement with Flint Group Narrow Web and commitment to investigate full impact
- Decide brand and converter to work with
- Flint Group Narrow Web and converter develop concept including cost offers
- Converter provide prints for approval.
- Label approved for product launch.
- Exclusivities negotiated on case to case basis



HolographINK Process

Repeat facts

- Cost for standard foil 1,46 € per sqm
- Minimum sample order 72 sqm (5 cm width x 1524 m length – Butt roll)
- Master roll 960 sqm (63 cm width x 1524 m length)
- Master roll can be slit to customer specifications – down to 5 cm width possible
- Have to use Flint Group Narrow Web UV Flexo ink (Flexocure Σ)
- Order everything you need from Flint Group Narrow Web
- Alternative patterns available at MOQ 930 sqm
- Possibility to design your own decorative exclusive pattern
- Security patterns for special applications



HolographINK Process

Are you interested in
choosing this innovative
technology for one of
your brands?

If so, let's begin planning and
grow our business together!

