

# Microtaggant Solutions from Flint Group Narrow Web



# Microtaggant brand protection Ink

- Flint Group Narrow Web deliver a traceable, anti-counterfeit ink technology to the Narrow Web tag and label industry. to any printed materials using flexographic or screen printing processes.
- The most robust, traceable, anti-counterfeit technology available.
- Unique numeric code sequence in a multiple colored layer format delivering multiple layers of security through a single microscopic particle.
- Flint Group Narrow Web tailored made an UV curable ink system, that can be applied either using flexo or rotary screen technology.



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- Fully compatible with and can ideally be used in combination with Flint Group Narrow Web UV products, such as Flexocure range and CombiWhite.
- Microtaggant<sup>®</sup> Security Inks are formulated with unique encoded particles that are certified and registered to each customer or application.
- Each formulation is exclusive “fingerprint” and is never again used for any other application.
- The Microtaggant<sup>®</sup> Security Inks are applied to the label and easily read and decoded with an inexpensive hand-held reader or scanner.





# About Microtaggant Identification Particles

- microscopic particles
- between 75 to 38 microns
- multiple color layered sequence
- unique numeric code, each color is assigned a numeric value
- codes are certified and registered to the customer
- millions of unique code combinations available
- made of durable, inert plastic material
- chemically stable
- nearly undetectable to the untrained/ unaided eye



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## Standard Microtaggant

- Multiple color layer structure
- Read using magnification of at least 100x - \$20
- Located with optional fluorescent layer using 365nm black light - \$25
- Retrieved from free flowing materials with optional magnetic layer
- Stable up to 350°C for short exposures
- Chemically stable

## High Temperature Microtaggant

- Stable to 430°C for over 10 minutes

## Bio Compatible Microtaggant

- Meets standards for ISO 10993

## "Energy Sensitive" Microtaggants

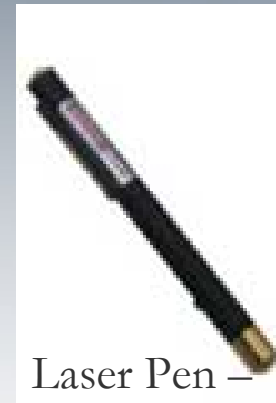
- Multiple nano/taggant technologies incorporated in the structure of each code particle. Multiple levels of security.
- Pattern Recognition available with all Microtaggants



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## IR Microtaggant – Yes/No Verification

- Two types of material – IR to IR, IR to visible
- Both detected with audible hand-held reader
  - Detected through materials- line of site not required.
- IR to visible triggered by laser pen



Laser Pen –

\$175



Audible Detector -

\$375

## Spectral Microtaggant – code within a code

- Unique spectral signature within each Microtaggant
- Analyzed with spectrometer

## Element Microtaggant – code within a code

- Unique code created with various heavy metals
- Read with Xray

