

GSI Intaglio Inks



Intaglio printing is at the heart of banknote identity. Beyond its iconic raised feel, it creates the distinctive tactile experience that the public immediately associates with authenticity and trust.

GSI Intaglio inks are designed to deliver outstanding tactile and visual performance, enabling banknote designers to create bold, durable and highly secure printed features.

These inks are primarily used for deep engraved areas and provide strong, brilliant colour rendering while supporting both public and covert security elements.

Intaglio printing is ideally suited for highly tactile and visible public features such as colour-shifting effects, latent images, micro-lettering and tactile marks for visually impaired users. In addition, covert forensic features — including IR, fluorescence and magnetic properties — can be integrated, as well as GSI's unique security features **mouve^{INK}** and **glair^{INK}**.

The inks are optimised for state-of-the-art intaglio printing equipment, including systems with automatic ink pumps, direct or indirect ink transfer, short ink trains and spray or immersion wiping systems.

GSI Intaglio Base Inks:

A highly concentrated, mono-pigmented range is also available, allowing banknote printers to create customised

Key technical characteristics

- Iconic tactile feel of authentic banknotes
- Strong, high-contrast colours for portraits, patterns, and designs
- Tactile marks for visually impaired users
- Public features: latent images, micro-lettering
- Covert features: IR, fluorescence, magnetism
- Compatible with **mouve^{INK}** and **glair^{INK}**
- Ready-to-use or mono-pigmented base inks for custom colours
- High durability and circulation resistance
- Optimised for modern intaglio presses and water-treatment systems



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