

GSI Gold IR-T Ink



A banknote is more than a means of payment, it is a symbol of trust, identity and craftsmanship. Metallic inks have long played a key role in elevating the visual appeal of banknotes while reinforcing their security.

GSI Gold IR-T ink delivers a high-performance metallic effect based on engineered pigment technology, providing a stable and highly recognizable gold shimmer for banknote applications.

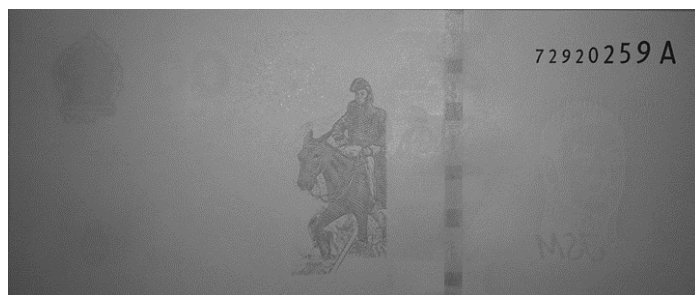
Unlike conventional metallic inks, **GSI Gold IR-T ink** is specifically formulated to remain invisible in the infrared spectrum. This unique IR-transparent behavior enables reliable covert authentication while preserving the visual metallic appearance in the visible range.

The ink is optimized for integration into standard banknote production workflows and is fully compatible with intaglio and screen-printing processes, including high-speed industrial equipment.

Technical characteristics of **GSI Gold IR-T ink**:

- Metallic pigment formulation providing a stable gold shimmer (Level 1 public recognition)
- Infrared transparency enabling covert verification (Level 2 authentication)
- Machine-readable IR response suitable for automated inspection and sorting systems
- High resistance to light exposure, chemicals and circulation wear
- REACH registered; material not classified as hazardous
- Excellent printability and process stability on high-speed intaglio and screen-printing equipment
- Available in IR-T and IR-A spectral variants

1000 Argentinian Pesos, 2023



IR view (820 nm)

