

# Global Paper Anti-Counterfeit Printing Ink Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Paper Anti-Counterfeit Printing Ink market size is expected to reach \$ 829 million by 2032, rising at a market growth of 3.2% CAGR during the forecast period (2026-2032).

Paper Anti-Counterfeit Printing Ink refers to security ink systems engineered specifically for paper-based substrates—such as security paper for IDs, certificates, tickets, revenue stamps, security labels, and paper packaging—providing verifiable, hard-to-replicate features that mitigate copying, scanning, alteration, wash-and-reprint attacks, and substitution of printed elements. Compared with general-purpose printing inks, these formulations emphasize compatibility with paper fibers, fillers, sizing and coating layers, and they are designed to remain stable under long-term storage, abrasion, folding, perspiration exposure, and common chemical contact. Depending on the security strategy, they can deliver overt effects (special colors, pearlescent/color-shift appearances, tactile features), covert and forensic effects (UV/IR response, magnetic signatures, machine-readable signals), and coordinated performance with security-paper elements such as watermarks, embedded security threads, security fibers, or chemically sensitive backgrounds for tiered authentication. Historically, paper security inks evolved alongside the broader “security paper + security printing” ecosystem—from early reliance on special pigments and invisible inks toward system-level solutions grounded in optical, magnetic, and materials engineering—driven by an ongoing arms race with increasingly sophisticated reproduction and tampering methods. Upstream inputs typically include binder/resin and vehicle platforms tuned for paper absorption and drying (oil-based and water-based systems, and in some cases UV-curable platforms), functional pigments and dyes (fluorescent/phosphorescent, IR, color-shift, magnetic, etc.), carriers/solvents, dispersion and rheology additives, abrasion and penetration-control additives, and substrate-matching primers and overprint varnishes;

verification commonly relies on complementary components such as UV/IR illumination sources, optical filters, magnetic sensing heads, and vision/sensor-based readers supplied through the broader specialty materials and inspection equipment ecosystem. In 2025, global production capacity for paper anti-counterfeiting printing inks reached 250,000 tons, with sales volume totaling 189,500 tons. The average selling price was USD 3,415 per ton, and industry gross margins were generally in the range of 20%–30%.

The paper security-ink market remains anchored in the “security paper + security printing” ecosystem, characterized by high qualification barriers and long-term supplier relationships. In identity, fiscal, and official document use cases, inks are typically engineered to work in concert with security-paper features such as watermarks, embedded threads, security fibers, and chemically sensitive backgrounds; buyers prioritize traceable delivery, lot-to-lot consistency, long-term optical/chemical stability, and predictable performance within established processes such as intaglio, offset, and screen printing. At the same time, demand is expanding in commercial paper applications—labels, vouchers, tickets, certificates—where adoption favors solutions that integrate smoothly into existing workflows and support fast field inspection and channel audits. Overall, the market is moving from single covert effects toward tiered authentication that spans quick frontline checks as well as instrumented verification and evidentiary needs, making system capability and pressroom support a primary differentiator.

Future development will center on deeper feature integration, machine readability, and standardized verification. Technically, fluorescence will be combined more frequently with infrared, magnetic, color-shift, micro-structured, or taggant-based elements to create multi-channel features that are harder to imitate while preserving paper aesthetics and tactile feel. Operationally, paper-based credential security is increasingly expected to connect with digital governance—linking printed security marks with serialization, track-and-trace, regulatory reporting, or verification systems—so the paper feature becomes a recordable and auditable evidence point. From a quality and implementation perspective, greater cross-regional collaboration and outsourcing will increase the importance of harmonized acceptance criteria and test conditions (excitation wavelength, filters, decision thresholds, durability protocols) to reduce inconsistency across agencies and devices. In parallel, sustainability and compliance pressures will accelerate migration toward lower-VOC, low-odor, low-migration systems and more benign additive choices, especially for frequently handled documents and certain paper packaging contexts.

Key drivers include persistent demand to combat forgery and alteration, the dependence of fiscal and public-administration systems on trusted paper credentials, and rising risks of copying and misuse in cross-border and e-commerce environments. Brands also place growing value on the credibility of paper-based entitlement instruments and channel materials to reduce fraud and disputes. Constraints are largely implementation and lifecycle complexity: paper absorbency, coating structure, sizing, and filler variability can materially affect color and fluorescence, while post-press treatments (lamination, varnishing, embossing, thermal coatings) may change readability and lengthen qualification cycles. Non-uniform field tools, limited operator training, and the availability of low-end substitute materials can further erode single-feature effectiveness, pushing solutions toward multi-feature, system-level designs that raise cost and deployment thresholds. Competitive advantage will increasingly depend on balancing security strength, manufacturability at scale, consistent cross-institution verification, and sustainable compliance—while reducing customer friction through repeatable delivery and service models.

This report studies the global Paper Anti-Counterfeit Printing Ink production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Paper Anti-Counterfeit Printing Ink and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Paper Anti-Counterfeit Printing Ink that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Paper Anti-Counterfeit Printing Ink total production and demand, 2021-2032, (Tons)

Global Paper Anti-Counterfeit Printing Ink total production value, 2021-2032, (USD Million)

Global Paper Anti-Counterfeit Printing Ink production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Paper Anti-Counterfeit Printing Ink consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Paper Anti-Counterfeit Printing Ink domestic production, consumption, key domestic manufacturers and share

Global Paper Anti-Counterfeit Printing Ink production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Paper Anti-Counterfeit Printing Ink production by Type, production, value,

CAGR, 2021-2032, (USD Million) & (Tons)  
Global Paper Anti-Counterfeit Printing Ink production by Application, production, value,  
CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Paper Anti-Counterfeit Printing Ink market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SICPA, Sun Chemical, Luminescence Sun Chemical Security, Kao Collins, Angstrom Technologies, Flint Group, Microtrace, INX International Ink, ROTOFLEX, Gleitsmann Security Inks, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Paper Anti-Counterfeit Printing Ink market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Paper Anti-Counterfeit Printing Ink Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Paper Anti-Counterfeit Printing Ink Market, Segmentation by Type:

UV Fluorescent Inks

Thermochromatic Inks

Optically Variable Inks

Humidity Sensitive Inks

Infrared Fluorescent Inks

Pressure Sensitive Inks

Others

#### Global Paper Anti-Counterfeit Printing Ink Market, Segmentation by Visibility:

Overt Paper Security Ink

Covert Paper Security Ink

Semi-Covert Paper Security Ink

#### Global Paper Anti-Counterfeit Printing Ink Market, Segmentation by Technology:

Offset Paper Security Ink

Intaglio Paper Security Ink

Silkscreen Paper Security Ink

Letterpress Paper Security Ink

Gravure/Flexo Paper Security Ink

#### Global Paper Anti-Counterfeit Printing Ink Market, Segmentation by Application:

Banknotes

Official Identity Documents

Tax Banderoles

Security Labels

Others

#### Companies Profiled:

SICPA

Sun Chemical

Luminescence Sun Chemical Security

Kao Collins

Angstrom Technologies

Flint Group

Microtrace

INX International Ink

ROTOFLEX

Gleitsmann Security Inks

PETREL

Cronite

Chroma Inks USA

hubergroup

artience

Shanghai Wancheng Anti-counterfeiting Ink

Mingbo Security Technology

GODO Printing Ink

**Key Questions Answered:**

1. How big is the global Paper Anti-Counterfeit Printing Ink market?
2. What is the demand of the global Paper Anti-Counterfeit Printing Ink market?
3. What is the year over year growth of the global Paper Anti-Counterfeit Printing Ink market?
4. What is the production and production value of the global Paper Anti-Counterfeit Printing Ink market?
5. Who are the key producers in the global Paper Anti-Counterfeit Printing Ink market?
6. What are the growth factors driving the market demand?

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