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Global Semiconductor Marking Ink Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Semiconductor Marking Ink market size is expected to reach $ 313 million by 2032, rising at a market growth of 7.6% CAGR during the forecast period (2026-2032).

In 2025, global Semiconductor Marking Ink production reached approximately 4,400 tons, with an average global market price of around USD 42,000 per ton.

The gross profit margin of major companies in the industry is between 30%–45%.

In 2025, the global production capacity of Semiconductor Marking Ink was approximately 5,800 tons.

Semiconductor Marking Inks are specialized functional inks used to create identification, traceability, orientation, coding, or other permanent markings on semiconductor packages, wafers, and related electronic components. They are formulated to provide strong adhesion, fine printing resolution, chemical resistance, thermal stability, and durability through semiconductor manufacturing and subsequent processing. Depending on the application, marking may be performed by pad printing, screen printing, or other precision marking processes. These inks are used for package identification, product codes, lot information, polarity or orientation marks, and manufacturing traceability. The product boundary covers inks specifically formulated for semiconductor and semiconductor-package marking, excluding general industrial marking inks.

The upstream industry supplies pigments, dyes, resins, solvents, additives, dispersants, and other specialty chemical ingredients. The midstream industry formulates and manufactures semiconductor marking inks through dispersion, grinding, mixing, filtration, viscosity adjustment, and precision quality-control processes. Key

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requirements include particle size control, adhesion, print definition, curing behavior, thermal resistance, chemical resistance, and low contamination characteristics. The downstream industry includes semiconductor packaging, integrated-circuit assembly, discrete semiconductor, power-device, and other electronic-component manufacturing. Demand is driven by increasing semiconductor production, higher package identification requirements, miniaturization, traceability requirements, and the expansion of advanced semiconductor packaging. Product development increasingly focuses on finer marking resolution, improved durability, lower contamination, and compatibility with automated high-throughput packaging processes.

Report Scope

This report studies the global Semiconductor Marking Ink production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Semiconductor Marking 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 Semiconductor Marking Ink that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Semiconductor Marking Ink total production and demand, 2021-2032, (Tons)

Global Semiconductor Marking Ink total production value, 2021-2032, (USD Million)

Global Semiconductor Marking Ink production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Semiconductor Marking Ink consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Semiconductor Marking Ink domestic production, consumption, key domestic manufacturers and share

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Global Semiconductor Marking Ink production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Semiconductor Marking Ink production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Semiconductor Marking Ink production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Semiconductor Marking 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 Resonac Corporation, Henkel AG & Co. KGaA, Taiyo Holdings Co., Ltd., Fujikura Kasei Co., Ltd., Tamura Corporation, Namics Corporation, Markem-Imaje, DIC Corporation, Jiangsu Guangxin Materials Co., Ltd., Shenzhen Rongda Photosensitive & Technology Co., Ltd., 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 Semiconductor Marking 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 Semiconductor Marking Ink Market, By Region:

United States

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China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Market Segmentation

Global Semiconductor Marking Ink Market, Segmentation by Type:

Epoxy-Based Marking Ink

Polyimide-Based Marking Ink

UV-Curable Marking Ink

Global Semiconductor Marking Ink Market, Segmentation by Marking Method:

Laser Marking Ink

Pad Printing Ink

Inkjet Marking Ink

Global Semiconductor Marking Ink Market, Segmentation by Curing Temperature:

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Low-Temperature Curing (<150°C)

Medium-Temperature Curing (150–250°C)

High-Temperature Curing (>250°C)

Global Semiconductor Marking Ink Market, Segmentation by Application:

IC Identification

Component Traceability

Anti-Counterfeiting Marking

Other

Companies Profiled:

Resonac Corporation

Henkel AG & Co. KGaA

Taiyo Holdings Co., Ltd.

Fujikura Kasei Co., Ltd.

Tamura Corporation

Namics Corporation

Markem-Imaje

DIC Corporation

Jiangsu Guangxin Materials Co., Ltd.

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Shenzhen Rongda Photosensitive & Technology Co., Ltd.

Shenzhen Richmond Chemical Co., Ltd.

Jiangsu Kuangshun Special Coating Co., Ltd.

Key Questions Answered

1. How big is the global Semiconductor Marking Ink market?
2. What is the demand of the global Semiconductor Marking Ink market?
3. What is the year over year growth of the global Semiconductor Marking Ink market?
4. What is the total value of the global Semiconductor Marking Ink market?
5. Who are the Major Players in the global Semiconductor Marking Ink market?
6. What are the growth factors driving the market demand?

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