

# Global ALD and CVD Precursors for Semiconductor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global ALD and CVD Precursors for Semiconductor market size was valued at USD 1605.9 million in 2023 and is forecast to a readjusted size of USD 2883 million by 2030 with a CAGR of 8.7% during review period.

ALD and CVD Precursors for Semiconductor usually refer to highly volatile organometallic compounds and metal halides with a purity of over 99.9999% (6N), which are the core source materials for the preparation of high-quality thin-film materials in the modern electronics industry.

Global key players of ALD and CVD Precursors for Semiconductor include Merck, Air Liquide and SK Material, etc. The top three players hold a share over 70%. Asia (excluding China) is the largest market, has a share about 60%. In terms of product type, Silicon Precursor is the largest segment, occupied for a share of about 35%, and in terms of application, Integrated Circuit Chip has a share about 70 percent.

The Global Info Research report includes an overview of the development of the ALD and CVD Precursors for Semiconductor industry chain, the market status of Integrated Circuit Chip (Silicon Precursor, Titanium Precursor), Flat Panel Display (Silicon Precursor, Titanium Precursor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of ALD and CVD Precursors for Semiconductor.

Regionally, the report analyzes the ALD and CVD Precursors for Semiconductor markets in key regions. North America and Europe are experiencing steady growth,

driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global ALD and CVD Precursors for Semiconductor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the ALD and CVD Precursors for Semiconductor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the ALD and CVD Precursors for Semiconductor industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (MT), revenue generated, and market share of different by Type (e.g., Silicon Precursor, Titanium Precursor).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the ALD and CVD Precursors for Semiconductor market.

**Regional Analysis:** The report involves examining the ALD and CVD Precursors for Semiconductor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the ALD and CVD Precursors for Semiconductor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to ALD and CVD Precursors for Semiconductor:

**Company Analysis:** Report covers individual ALD and CVD Precursors for Semiconductor manufacturers, suppliers, and other relevant industry players. This

analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards ALD and CVD Precursors for Semiconductor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Integrated Circuit Chip, Flat Panel Display).

**Technology Analysis:** Report covers specific technologies relevant to ALD and CVD Precursors for Semiconductor. It assesses the current state, advancements, and potential future developments in ALD and CVD Precursors for Semiconductor areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the ALD and CVD Precursors for Semiconductor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

ALD and CVD Precursors for Semiconductor market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Silicon Precursor

Titanium Precursor

Zirconium Precursor

Others

### Market segment by Application

Integrated Circuit Chip

Flat Panel Display

Solar Photovoltaic

others

#### Major players covered

Merck

Air Liquide

SK Material

DNF

Yoke (UP Chemical)

Soulbrain

Hansol Chemical

ADEKA

Dupont

Nanmat

Engtegris

TANAKA

Botai

Strem Chemicals

Nata Chem

Gelest

Adchem-tech

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe ALD and CVD Precursors for Semiconductor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of ALD and CVD Precursors for Semiconductor, with price, sales, revenue and global market share of ALD and CVD Precursors for Semiconductor from 2019 to 2024.

Chapter 3, the ALD and CVD Precursors for Semiconductor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the ALD and CVD Precursors for Semiconductor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share

and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and ALD and CVD Precursors for Semiconductor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of ALD and CVD Precursors for Semiconductor.

Chapter 14 and 15, to describe ALD and CVD Precursors for Semiconductor sales channel, distributors, customers, research findings and conclusion.

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