

# Global CVD/ALD Precursors Competitive Landscape Professional Research Report 2025

<https://marketpublishers.com/r/CDE50CDB063BEN.html>

Date: June 2025

Pages: 165

Price: US\$ 3,500.00 (Single User License)

ID: CDE50CDB063BEN

## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global CVD/ALD Precursors market size will reach 1,643.65 Million USD in 2025 and is projected to reach 2,036.64 Million USD by 2032, with a CAGR of 3.11% (2025-2032). Notably, the China CVD/ALD Precursors market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

CVD (Chemical Vapor Deposition) and ALD (Atomic Layer Deposition) precursors are specialized chemicals used in thin film deposition processes in the semiconductor and nanotechnology industries. These precursors play a crucial role in depositing thin films of various materials with high precision and control. CVD precursors are volatile compounds introduced into a reaction chamber, where they react and form solid films on the substrate surface. ALD precursors, on the other hand, undergo sequential and self-limiting surface reactions to achieve precise layer-by-layer deposition. Both types of precursors are typically metal organic compounds, metal halides, or metal alkoxides that can be easily vaporized and transported to the substrate under controlled conditions. The choice of precursor is critical, as it determines the composition and properties of the thin film. CVD/ALD precursors are essential tools in modern semiconductor fabrication and advanced nanotechnology, enabling the development of high-performance devices, integrated circuits, sensors, and other applications requiring precise and uniform thin film coatings.

The major global manufacturers of CVD/ALD Precursors include Merck, Air Liquide, SK Material, DNF, Yoke (UP Chemical), Soulbrain, Hansol Chemical, ADEKA, Dupont, Engtegris, Nanmat, TANAKA, Botai, Strem Chemicals, Nata Chem, Gelest, Adchem-tech, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of CVD/ALD Precursors. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global CVD/ALD Precursors market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the CVD/ALD Precursors market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of CVD/ALD Precursors industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of CVD/ALD Precursors Include:

Merck

Air Liquide

SK Material

DNF

Yoke (UP Chemical)

Soulbrain

Hansol Chemical

ADEKA

Dupont

Engtegris

Nanmat

TANAKA

Botai

Strem Chemicals

Nata Chem

Gelest

Adchem-tech

CVD/ALD Precursors Product Segment Include:

Silicon Precursor

Titanium Precursor

Zirconium Precursor

Others

CVD/ALD Precursors Product Application Include:

Integrated Circuit Chip

Flat Panel Display

Solar Photovoltaic

others

## **Chapter Scope**

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