

Global Precursor for Semiconductor Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Precursor for Semiconductor market size is expected to reach \$ 4890.3 million by 2029, rising at a market growth of 10.4% CAGR during the forecast period (2023-2029).

Globally, Merck will rank first in the world with a market share of 33% in 2022; Air Liquide will rank second globally with a market share of 29%; and SK Material will rank third with a market share of nearly 7%. On the whole, the semiconductor precursor market is highly concentrated, and the market share of the top three companies in the world is as high as 70%. For new entrants, there will be relatively large market barriers. From the perspective of product types, this article divides semiconductor precursors into four types: silicon precursors, metal precursors, High-k precursors, and Low-k precursors. Each type has different application scenarios. For example, silicon oxide and silicon nitride precursors are mainly used in 20nm memory chips and logic chip lithography processes; while High-k precursors are mainly used in semiconductor processes below 45nm. At present, High-k and metal precursors occupy the main market share, and the two will reach US\$820 million and US\$660 million respectively in 2022. With the development of memory chip and logic chip technology in the future, High-k -k and metals will become mainstream, and we expect their market sizes to reach \$2.16 billion and \$1.54 billion, respectively, by 2029.

Semiconductor precursor is the core manufacturing material of semiconductor thin film deposition process. It has high barriers and high growth. It is used in semiconductor production and manufacturing process to carry target elements, gaseous or volatile liquid, with chemical and thermal stability, and corresponding reactivity or physical properties. a class of substances. In the semiconductor manufacturing process including thin film, lithography, interconnection, doping technology, etc., the precursor is

mainly used in vapor deposition (including physical deposition PVD, chemical vapor deposition CVD and atomic vapor deposition ALD) to form semiconductor manufacturing requirements various thin film layers. In addition, the precursor can also be used for semiconductor epitaxial growth, etching, ion implantation doping and cleaning, etc., and is one of the core materials for semiconductor manufacturing.

This report studies the global Precursor for Semiconductor demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Precursor for Semiconductor, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Precursor for Semiconductor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Precursor for Semiconductor total market, 2018-2029, (USD Million)

Global Precursor for Semiconductor total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: Precursor for Semiconductor total market, key domestic companies and share, (USD Million)

Global Precursor for Semiconductor revenue by player and market share 2018-2023, (USD Million)

Global Precursor for Semiconductor total market by Type, CAGR, 2018-2029, (USD Million)

Global Precursor for Semiconductor total market by Application, CAGR, 2018-2029, (USD Million).

This reports profiles major players in the global Precursor for Semiconductor market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Merck Group, Air Liquide, SK Materials, UP Chemical, Entegris, ADEKA, Hansol Chemical, DuPont and SoulBrain Co Ltd, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Precursor for Semiconductor market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Precursor for Semiconductor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Precursor for Semiconductor Market, Segmentation by Type

Silicon Precursor

Metal Precursor

High-k Precursor

Low-k Precursor

Global Precursor for Semiconductor Market, Segmentation by Application

PVD/CVD/ALD

Epitaxial Growth and Etching, etc.

Companies Profiled:

Merck Group

Air Liquide

SK Materials

UP Chemical

Entegris

ADEKA

Hansol Chemical

DuPont

SoulBrain Co Ltd

Nanmat

DNF Solutions

Natachem

Tanaka Kikinzoku

Botai Electronic Material

Gelest

Strem Chemicals

Anhui Adchem

EpiValence

FUJIFILM Corporation

Japan Advanced Chemicals

Wonik Materials

Key Questions Answered

1. How big is the global Precursor for Semiconductor market?
2. What is the demand of the global Precursor for Semiconductor market?
3. What is the year over year growth of the global Precursor for Semiconductor market?
4. What is the total value of the global Precursor for Semiconductor market?
5. Who are the major players in the global Precursor for Semiconductor market?
6. What are the growth factors driving the market demand?

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