

Global Solid Precursors Market Growth 2024-2030

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Abstracts

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This report studies the solid precursors are used in semiconductor applications and excel in Atomic Layer Deposition (ALD) and Chemical Vapor Deposition (CVD), especially for metals deposition. Solid precursors based on hafnium and zirconium have been used in semiconductor fabs for decades. New solid precursors based on aluminum (Al), molybdenum (Mo), and tungsten (W) are needed to meet the device and integration requirements for the latest generation of 3D devices. As layers become thinner, materials requirements often change. The drive toward fluorine-free materials mitigates yield loss that can occur when fluorine reacts with nanoscale layers in devices. In the case of W precursors, tungsten pentachloride (WCl₅) is replacing gaseous tungsten hexafluoride (WF₆). WCl₅ is a solid at room temperature.

The global Solid Precursors market size is projected to grow from US\$ 53 million in 2023 to US\$ 257.7 million in 2030; it is expected to grow at a CAGR of 25.2% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Solid Precursors Industry Forecast" looks at past sales and reviews total world Solid Precursors sales in 2023, providing a comprehensive analysis by region and market sector of projected Solid Precursors sales for 2024 through 2030. With Solid Precursors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Solid Precursors industry.

This Insight Report provides a comprehensive analysis of the global Solid Precursors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Solid

Precursors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Solid Precursors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Solid Precursors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Solid Precursors.

United States market for Solid Precursors is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Solid Precursors is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Solid Precursors is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Solid Precursors players cover Entegris, Merck KGaA and TANAKA. etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Solid Precursors market by product type, application, key manufacturers and key regions and countries.

Segmentation by type

Based on Al, Mo, and W

Based on Hafnium and Zirconium

Others (Ruthenium, etc.)

Segmentation by application

ALD/CVD

Others (LED, etc.)

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Entegris

Merck KGaA

TANAKA

Key Questions Addressed in this Report

What is the 10-year outlook for the global Solid Precursors market?

What factors are driving Solid Precursors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Solid Precursors market opportunities vary by end market size?

How does Solid Precursors break out type, application?

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