

Semiconductor Thin Film Precursors Market, Global Outlook and Forecast 2022-2028

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Abstracts

Semiconductor precursors are the core manufacturing materials for semiconductor thin film deposition processes, with high barriers and high growth. They are used in semiconductor manufacturing processes to carry target elements, gaseous or volatile liquid, chemically and thermally stable, and have corresponding reactivity or physical properties. 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 various film layers which meet the semiconductor manufacturing requirements. 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.

In this report, we only focus on the Precursors used in the Thin Film process, like CVD, ALD and PVD, etc.

This report contains market size and forecasts of Semiconductor Thin Film Precursors in global, including the following market information:

Global Semiconductor Thin Film Precursors Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Semiconductor Thin Film Precursors Market Sales, 2017-2022, 2023-2028, (Tons)

Global top five Semiconductor Thin Film Precursors companies in 2021 (%)

The global Semiconductor Thin Film Precursors market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Silicon Precursors Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Semiconductor Thin Film Precursors include Air Liquide, Merck, DNF, SK Materials, UP Chemical (Yoke Technology), Engtegris, Soulbrain, DuPont and ADEKA, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Semiconductor Thin Film Precursors manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Semiconductor Thin Film Precursors Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Semiconductor Thin Film Precursors Market Segment Percentages, by Type, 2021 (%)

Silicon Precursors

Metal Precursors

High-k Precursors

Low-k Precursors

Global Semiconductor Thin Film Precursors Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Semiconductor Thin Film Precursors Market Segment Percentages, by Application, 2021 (%)

ALD

CVD

Others

Global Semiconductor Thin Film Precursors Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Tons)

Global Semiconductor Thin Film Precursors Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Semiconductor Thin Film Precursors revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Semiconductor Thin Film Precursors revenues share in global market, 2021 (%)

Key companies Semiconductor Thin Film Precursors sales in global market, 2017-2022 (Estimated), (Tons)

Key companies Semiconductor Thin Film Precursors sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Air Liquide

Merck

DNF

SK Materials

UP Chemical (Yoke Technology)

Engtegris

Soulbrain

DuPont

ADEKA

Mecaro

Nata Opto-electronic Material

TANAKA PRECIOUS METALS

EpiValence

Wonik Materials

Hansol Chemical

Anhui Botai Electronic Materials

Nanmat Technology

ADchem Semi-Tech

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