

Global Thin Film Semiconductor Deposition Market - Forecasts from 2017 to 2022

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Abstracts

The global thin film semiconductor (TFS) deposition market is projected to witness a compound annual growth rate of 13.25% during the forecast period to reach a total market size of US\$23.749 billion by 2022, increasing from US\$11.257 billion in 2016. The demand for thin film semiconductors is increasing due to their higher efficiency and flexibility as compared to conventional silicon. The proliferation of flexible and wearable devices, which require miniature circuits, will drive the market growth for TFS deposition due to its advantages like less space consumption and lightweight. The growth of smartphone industry and increasing application of solar panels is anticipated to boost the market growth for TFS deposition. However, high initial cost and the increasing cost of raw materials can act as restraining factors for the market.

Research Methodology

The report provides a brief introduction of the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segments which have been covered as part of the report.

Market Dynamics

The next section provides comprehensive market dynamics through an overview section along with growth drivers, challenge, and opportunities which exist in the current market. This section of the report also provides global and regional regulations which are determining the market growth and industry value chain analysis of the global thin film semiconductor deposition market. Complete industry analysis has also been covered through Porter's five forces model as a part of this report section.

Competitive Insight

The major players discussed in this report include Hitachi Kokusai Electric Inc., Tokyo Electron Limited, Shin-Etsu Chemical Co., Ltd, Applied Materials, Inc., CVD Equipment Corporation, and Lam Research Corporation among few others.

Segmentation

In the report, global thin film semiconductor deposition market has been segmented by technology, applications, industry, and geography:

By Technology

- Chemical Vapor Deposition (CVD)

- Physical Vapor Deposition (PVD)

- Others

By Applications

- DRAMs

- Solar Panels

- Microprocessors

- Wearable Technologies

- Others

By Industry

- Communication and Technology

- Consumer Electronics

- Energy and Power

- Aerospace and Defense

- Automotive

- Others

By Geography

- North America

- South America

- Europe

- Middle East and Africa (MEA)

- Asia Pacific (APAC)

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