

Thin Film Semiconductor Deposition Market (By Technology: Chemical Vapor Deposition (CVD), Physical Vapor Deposition (PVD), and Other Technologies; By Industry Vertical: IT & Telecom, Electronics, Energy & Power, Automotive, Aerospace & Defense, and Other Industry Verticals; By Geography: North America, Europe, Asia-Pacific and RoW) Global Scenario, Market Size, Outlook, Trend and Forecast, 2016 – 2025

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Abstracts

Global Thin Film Semiconductor Deposition Market is estimated to reach \$36 billion by 2025; growing at a CAGR of 14.1% from 2017 to 2025. Thin film semiconductors offer numerous benefits such as lightweight, low space consumption, high efficiency, and shape flexibility compared to traditional silicon (c-Si). These are made from artificial semiconductor materials having thickness from nanometers to few hundred millimeters. With such benefits. These are used in many applications such as wearable technologies, DRAMs, solar panels, and microprocessors, among others. Two broad categories of thin film semiconductors technology include physical vapor deposition (PVD), and chemical vapor deposition (CVD), and these are having usage in many industries including electronics, IT & telecom, aerospace & defense, automotive, among others.

Major factors driving the global thin film semiconductor deposition market are technological benefit of thin film compared to conventional silicon, growing demand for high efficiency & miniaturization, growing requirement owing to high use in emergent applications like dram, flexible Oled displays as well as Amoled displays, and heavy

investment in solar power plants. However, huge investment cost may hamper the market growth. Furthermore, mounting demand of sensors in smartphone industry would unfold with numerous growth opportunities in the forecasted year.

Major segments of the global thin film semiconductor deposition market are technology, industry vertical, and geography. The technology segment comprises physical vapor deposition (PVD), chemical vapor deposition (CVD), and others (epitaxy, and electro hydrodynamic deposition). Further, industry vertical is further subdivided into as electronics, IT & telecom, energy & power, aerospace & defense, automotive, and others (healthcare and industrial).

Geographically, the global thin film semiconductor deposition market is categorized into North America, Europe, Asia-Pacific, and Rest of the World (RoW). North America is further bifurcated into U.S., Canada, and Mexico whereas Europe segment consist of Germany, France, Italy, and Rest of Europe. Asia-Pacific is segmented into China, Japan, South Korea, Taiwan, India, and Rest of Asia-Pacific while RoW is bifurcated into South America, Middle East, and Africa.

The major players competing in the market are Tokyo Electron Limited, Hitachi Kokusai Electric Inc., Shin-Etsu Chemical Co., Ltd, Applied Materials, Inc., CVD Equipment Corporation, Lam Research Corporation, AIXTRON SE, Ihi Hauzer Techno Coating B.V, Sumco Corporation, and Oerlikon Balzers, among others.

The key takeaways from the report

The report will provide detailed analysis of Global Thin Film Semiconductor Deposition Market with respect to major segments such as technology, and industry vertical

The report will include the qualitative and quantitative analysis with market estimation over 2016 – 2025 and compound annual growth rate (CAGR) between 2017 and 2025

Comprehensive analysis of market dynamics including factors and opportunities will be provided in the report

An exhaustive regional analysis of Global Thin Film Semiconductor Deposition Market has been included in the report

Profile of the key players in the Global Thin Film Semiconductor Deposition Market will be provided, which include key financials, product & services, new developments and business strategies

Scope of the Global Thin Film Semiconductor Deposition Market

Technology Segments

Physical Vapor Deposition (PVD)

Chemical Vapor Deposition (CVD)

Others (Epitaxy, and Electro Hydrodynamic Deposition)

Industry Vertical Segments

Electronics

IT & Telecom

Energy & Power

Aerospace & Defense

Automotive

Others (Healthcare and Industrial)

Geographical Segments

North America

U.S.

Canada

Mexico

Europe

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

Japan

South Korea

Taiwan

India

Rest of Asia-Pacific

RoW

South America

Middle East

Africa

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