

Latest News on Semiconductor Deposition Industry Global Research Report 2016

Semiconductor Deposition Market - Global Industry Analysis, Segments Based on Geography, Key Vendors, Driver, Market Challenge, Industry Trend 2020

PUNE, INDIA, July 11, 2016 /EINPresswire.com/ -- [Semiconductor Deposition](#) Industry

Summary

Analysts forecast the Global Semiconductor Deposition Market to grow at a CAGR of 16.03% during the period 2016-2020. Semiconductor deposition is a process or technique of depositing a thin layer of a material on the surface area of a wafer or substrate. The added layer acts as a conductor, an insulator barrier, or a customized surface on which the semiconductor device pattern is etched. Materials that are used for the deposition are silicon, filaments, silicon dioxide, carbon nanotubes, tungsten, silicon carbide, silicon oxynitride, carbon fiber, silicon nitride, titanium nitride, silicon-germanium, and a number of high-k dielectrics. The thickness of the deposited layer usually ranges from a few to around 100 nm. Certain deposition techniques such as molecular beam epitaxy involve the deposition of a single layer of atom on the surface of wafers at a time. However, in CVD technology, the wafer is exposed to one or more volatile precursors, which react or decompose on the surface to give the desired deposit.

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Covered in this report

The report covers the present scenario and the growth prospects of the global semiconductor deposition market for 2016-2020. To calculate the market size, the report considers the sale of semiconductor deposition equipment to a number of global, regional, and local semiconductor device manufacturers.

The report does not include the revenue generated from the resale and aftermarket service of deposition equipment as well as the sale of components that are used for repairs of such devices.

The market is divided into the following segments based on geography:

- APAC
- Europe
- North America

Global Global Semiconductor Deposition market 2016-2020, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Key vendors

- Applied Materials
- ASM International
- Hitachi Kokusai Electric
- Lam Research
- Tokyo Electron

Other prominent vendors

- AIXTRON
- CANON ANELVA
- IHI
- IQE
- Plasma-Therm
- Veeco Instruments

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Market driver

- Miniaturization of semiconductor devices
- For a full, detailed list, view our report

Market challenge

- Cyclical nature of semiconductor industry
- For a full, detailed list, view our report

Market trend

- Growing number of IoT applications
- For a full, detailed list, view our report

Key questions answered in this report

- What will the market size be in 2020 and what will the growth rate be?
- What are the key market trends?
- What is driving this market?
- What are the challenges to market growth?
- Who are the key vendors in this market space?
- What are the market opportunities and threats faced by the key vendors?
- What are the strengths and weaknesses of the key vendors?

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