

# **Sputter Coating Market by Target Material (Pure Material, Compound), by Substrate (Metal, Glass, Plastic, Semiconductor), by Application (Architecture, Electronics, Optical, Tribological & Decorative Coating) & by Geography - Global Forecast to 2020**

<https://marketpublishers.com/r/S89CEB41E4FEN.html>

Date: September 2015

Pages: 159

Price: US\$ 5,650.00 (Single User License)

ID: S89CEB41E4FEN

## **Abstracts**

Sputtering is the thin film deposition manufacturing process at the core of today's semiconductors, disk drives, CDs, and optical devices industries. It is a physical vapour deposition process for depositing thin films. Sputtering means ejecting materials from a target and depositing it on a substrate, such as a silicon wafer, display panel, and optical film. The target is the source material which can be of pure material nature or alloy & compounds. Sputtering has become an established process for the deposition of a wide range of industrially important coatings. The reason behind this has been the increase in demand for high quality functional films in many diverse market sectors. This has led to an increase in demand for sputter target material, sputter system, and sputtering related service in the sputter coating market.

The sputter coating has a wide range of applications in different sectors such as medical, aerospace, automobile, optics, electronics, and energy for thin film deposition, etching of targets and surface treatments. It is used in many products such as optical devices, LCD Liquid-crystal-display, photovoltaic devices, display panel, touch panel, solar cells, and semiconductors. As demand and consumption for these products is significantly increasing, this in turn has resulted in the increase of the demand for sputter coating.

The companies that are profiled in the report are JX Nippon Mining & Metals Corporation (Japan), Tosoh SMD Inc. (U.S.), Hitachi Metals Ltd. (Japan), Mitsui Mining & Smelting Co., Ltd. (Japan), Umicore (Belgium), Hereaus Deutschland GmbH & Co.

Kg. (Germany), and Plansee (Austria).

Scope of the report: This research report categorizes the global market based on the material type, substrate type, application, and geography. It also estimates the market size and covers the emerging applications of the global sputter coating market. On the basis of material types: The sputter coating market is classified into pure material, alloy, and compounds segments. On the basis of substrate types: The sputter coating market for substrate is categorized into glass, metal & dielectric, plastics, semiconductors, and other insulator.

On the basis of applications: The sputter coating market is segmented into automotive & transport, architecture, microelectronics, data storage, electronics, display, energy, lighting, medical, defense & security, optical coating, tribological coating, decorative coating, and others. On the basis of geography: The market is segmented by geography into four major regions, namely, the North America, Europe, APAC, and the Rest of the world.

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