Sputter coatings Market Research Report - Global Forecast till 2025

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Description:

Global Sputter Coatings Market Research Report: Information by Target Material (Pure Material, Alloys, Compounds, and Others), Substrate (Ceramic, Metals & Dielectric, Glass, Plastic, Semiconductors, and Others) Application (Automotive & Transportation, Architecture, Electrical & Electronics, Energy, and Others), and Region (Asia-Pacific, Latin America, North America, Europe, and Middle East & Africa)—Forecast till 2025

The global sputter coatings market was valued at USD 4.9 billion in 2018 and is expected to register a CAGR of 5.1% during the forecast period, 2019–2025. Sputtering is a technology involving the deposition of very thin film of electrically conductive materials with 3-5 µm thickness onto a substrate. Sputter coatings generate a transparent conductive oxide (TCO) film on the material. The electrically conductive materials or metals used are generally gold, silver, platinum, and palladium, among others. The range of substrates on which these coatings can be applied are insulators (glass, plastic), metals & dielectric, and semiconductors, among others. The material which is to be coated is called as sputter target, which is placed in a rotary or in a planar form. Sputter coating is a commonly employed for coating architectural glass, solar panels, consumer electronics displays, and automotive glasses, among others.

The escalating growth of the electricals & electronics industry in the developing economies due to the rising per-capita income, increasing consumer purchasing power, and lowering prices of electronics devices is fueling the growth of the sputter coatings market. The growth in the architectural construction in countries of Asia-Pacific and the Middle East & Africa are incorporating glass to a large extent, which in turn drives the demand for glass coatings, thus boosts the market for sputter coatings in these regions. The rising demand for functional and decorative coatings in the automotive & transportation industry is also contributing to the growth of the product market. Furthermore, the technological advances in healthcare are expected to provide growth impetus to the market in the coming years.

However, the high cost of electrically conductive material may restrain the market growth during the forecast period. Also, the technological barriers of sputter coating technology are challenging the market growth.

Market Segmentation

The global sputter coatings market has been segmented based on target material, substrate, application, and region.

Based on the target material, the market has been segmented into pure material, alloys, compounds, and others.

On the basis of the substrate, the global sputter coatings market has been categorized into ceramic, metals & dielectric, glass, plastic, semiconductors, and others.

By application, the market has been bifurcated into automotive & transportation, architecture, electrical & electronics, energy, and others.

Regional Analysis

Geographically, the global sputter coatings market has been studied with respect to five key regions, namely North America, Latin America, Europe, Asia-Pacific, and the Middle East & Africa.

Asia-Pacific dominated the global sputter coatings market in 2018 and is projected to continue its dominance during the forecast period. Some of the major electronics hubs, such as Japan, South Korea, and Taiwan, as well as due to the growing electronics demand from the emerging economies,
such as China and India are driving the growth of the sputter coatings market in the region. Rising per capita disposable income, increasing consumer purchasing power, rising need for smart built up and thinner electronics, decreasing prices of electronics items, and lucrative government initiatives are some of the factors contributing to the growth of the electronics industry in the region. The continuous population expansion in countries such as India and China are propelling the demand for energy at a rapid pace, which, in turn, is fueling the demand for solar energy in the region. The rapid urbanization in the countries in Asia-Pacific are driving the demand for architectural glass coatings, thereby supporting the growth sputter coatings market. The growing automotive production and sales in the region due to the rising per-capita income and improving standards of living are also contributing to the product market growth.

North America accounted for the second-largest market share of the global sputter coatings market. The developed end-user industries such as automotive & transportation, electricals & electronics, solar energy sector, among others are significantly contributing to the growth of the product market. Moreover, the strict government regulation relating to the use of low emitting glass is a major boost to the market growth in the region. The US is majorly contributing to the regional market growth.

The market in the Middle East & Africa and Latin America held the least market shares of the global market and are likely to show slow growth during the forecast period due to the slow economic growth in the regions.

Key Players

Some of the prominent players operating in the global sputter coatings market are JX Nippon Mining & Metals Corporation (Japan), Tosoh SMD, Inc. (US), Hitachi Metals, Ltd. (Japan), Mitsui Mining & Smelting Co., Ltd (Japan), Umicore (Belgium), Hereaus Deutschland Gmbh & Co. Kg. (Germany), Materion Corporation (US), JANGYIN ENTRET COATING TECHNOLOGY CO. LTD (China), Honeywell International Inc (US), and GRIKIN Advanced Materials Co. Ltd (China).

Intended Audience

- Sputter coatings market manufacturers
- Traders and distributors of sputter coatings
- Production process industries
- Potential investors
- Raw material suppliers
- Nationalized laboratory

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