

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Sputter Coater Market 2018, Forecast to 2023

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Abstracts

Sputter deposition is a physical vapor deposition (PVD) method of thin film deposition by sputtering. This involves ejecting material from a "target" that is a source onto a "substrate" such as a silicon wafer. Resputtering is re-emission of the deposited material during the deposition process by ion or atom bombardment. Sputtered atoms ejected from the target have a wide energy distribution, typically up to tens of eV (100,000 K). The sputtered ions (typically only a small fraction of the ejected particles are ionized — on the order of 1 percent) can ballistically fly from the target in straight lines and impact energetically on the substrates or vacuum chamber (causing resputtering). Alternatively, at higher gas pressures, the ions collide with the gas atoms that act as a moderator and move diffusively, reaching the substrates or vacuum chamber wall and condensing after undergoing a random walk. The entire range from high-energy ballistic impact to low-energy thermalized motion is accessible by changing the background gas pressure. The sputtering gas is often an inert gas such as argon. For efficient momentum transfer, the atomic weight of the sputtering gas should be close to the atomic weight of the target, so for sputtering light elements neon is preferable, while for heavy elements krypton or xenon are used. Reactive gases can also be used to sputter compounds. The compound can be formed on the target surface, in-flight or on the substrate depending on the process parameters. The availability of many parameters that control sputter deposition make it a complex process, but also allow experts a large degree of control over the growth and microstructure of the film.

Scope of the Report:

This report focuses on the Sputter Coater in global market, especially in North America,

Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. The worldwide market for Sputter Coater is expected to grow at a CAGR of roughly 6.2% over the next five years, will reach 810 million US\$ in 2023, from 560 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

ULVAC (Japan)

Quorum Technologies (UK)

Buhler (Switzerland)

Cressington Scientific Instruments (UK)

Hitachi High-Technologies Corporation (Japan)

Oxford Instruments (UK)

Semicore Equipment (US)

PLASSYS Bestek (France)

PVD Products (US)

Denton Vacuum (US)

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Metal

Glass

Semiconductor

Others (Biological and Plastics)

Market Segment by Applications, can be divided into

Automotive

Electronics & Semiconductor

Institutes

Others (Hardware, FMCG, Construction, and Medical)

On the Basis of Region:

There are 15 Chapters to deeply display the global Sputter Coater market.

Chapter 1, to describe Sputter Coater Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Sputter Coater, with sales, revenue, and price of Sputter Coater, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Sputter Coater, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Sputter Coater market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Sputter Coater sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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