PHYSICAL VAPOR DEPOSITION MARKET SIZE

Global Physical Vapor Deposition Market By Application (Cutting Tools, Medical Equipment, Solar Products, Data Storage, Microelectronics and Other Applications) By Category (PVD Materials, PVD Equipment and PVD Services) By Region, Industry Analysis and Forecast, 2019 - 2025

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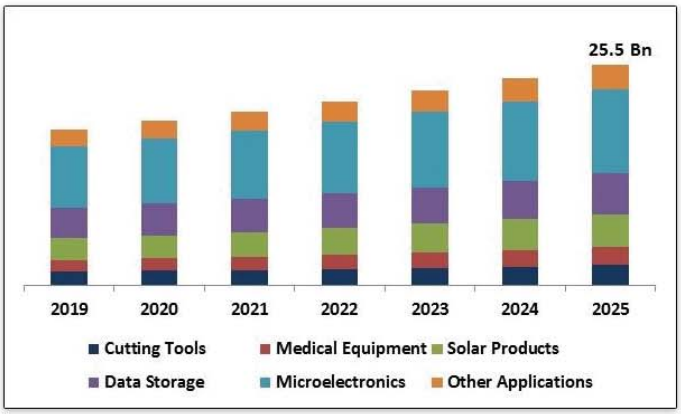
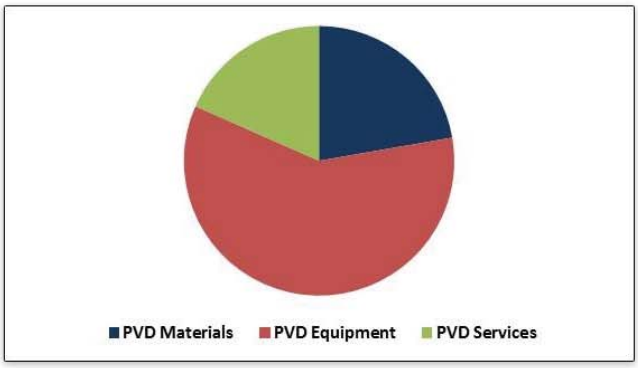
The Global Physical Vapor Deposition Market size is expected to reach $25.5 billion by 2025, rising at a market growth of 5.91% CAGR during the forecast period. Physical vapor deposition is a vacuum coating process that bombards the surfaces of several products like microelectronics, storage devices, cutting tools, medical devices, solar panels, etc., with energetic ions. This process helps to strengthen the stability of the coating and enhance the adhesion of the coating. Several coatings used in the process include nitrides, ceramics, oxides, carbides, metals, etc.

Global Physical Vapor Deposition Market Size



Different PVD technologies use the same three basic steps but vary in the methods used to produce and deposit materials. The thermal evaporation and sputter deposition are also the two most prevalent processes. Thermal evaporation is a deposition procedure that relies on the vaporization of the source material by heating the material through the application of effective vacuum methods. Sputter deposition is a plasma-assisted method that generates vapor from the source target by blasting with accelerated gaseous ions (usually Argon).

Physical Vapor Deposition Market Share



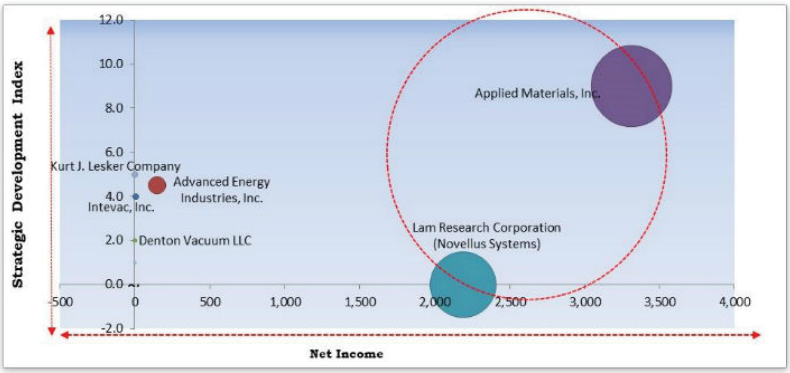
Deposited films can cover the range of chemical compositions assisted by the supply material(s). Multiple compositions are made available by reactive deposition processes. Relevant examples include co-deposition from multiple sources, reactions all through

Such coatings are used for applications like storage devices, semiconductors, and LEDs, which are anticipated to drive market growth over the coming years. Physical vapor deposition technology involves a process in which the base material is used to create a thin layer of coating on a surface by evaporating and condensing the substance used. Coatings consist of ceramics or metals, typically oxides, nitrides, and carbides.

Based on Application, the market is segmented into Cutting Tools, Medical Equipment, Solar Products, Data Storage, Microelectronics and Other Applications. Based on Category, the market is segmented into PVD Materials, PVD Equipment and PVD Services. Based on Regions, the market is segmented into North America, Europe, Asia Pacific, and Latin America, Middle East & Africa.

Free Valuable Insights: Global Physical Vapor Deposition Market to reach a market size of $25.5 billion by 2025

Physical Vapor Deposition Market Cardinal Matrix



The major strategies followed by the market participants are Partnerships, Expansions, and Product Launches. Based on the Analysis presented in the Cardinal matrix, Lam Research Corporation and Applied Materials, Inc. are some of the forerunners in the Physical Vapor Deposition (PVD) Market. The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Applied Materials, Inc., Lam Research Corporation (Novellus Systems), Intevac, Inc., Advanced Energy Industries, Inc., Kurt J. Lesker Company, AJA International, Inc., Angstrom Engineering, Inc., CHA Industries, Inc., Denton Vacuum LLC, and PVD Products, Inc.

Recent Strategies Deployed in Physical Vapor Deposition Market

» Partnerships, Collaborations, and Agreements:

- Jan-2020: Kurt J. Lesker announced an agreement with Hitachi High Technologies America, Inc., a subsidiary of Hitachi High-Technologies Corporation. This agreement was intended for HTA and affiliated companies within the Hitachi High-Tech Group, who would serve as the exclusive distributor in Japan for the former company's PRO Line PVD 75 Thin Film Deposition System and PRO Line PVD 200 Thin Film Deposition System.
- Jul-2019: Intevac signed an agreement with an outsourced assembly and test (OSAT) manufacturing company. In this agreement, Intevac placed its INTEVAC MATRIX® PVD System for qualification and evaluation at the R&D facilities of the latter company.
- May-2019: Intervac signed a contract with a display cover glass manufacturing company. Under this agreement, the former company placed its VERTEX Spectra system for evaluation at the facility of glass manufacturing company.
- Nov-2018: Applied Materials collaborated with Spin Memory, a leader in developing MRAM. Under this collaboration, the companies were aimed at creating a comprehensive embedded MRAM solution. This solution integrates Spin Memory's MRAM process IP with Applied's industry-leading deposition and etches capabilities.

» Acquisition and Mergers:

- Sep-2019: Advanced Energy acquired Artesyn Embedded Technologies' Embedded Power business. The acquisition helped the company in becoming a premier global power conversion company and accelerated its earnings growth.
- Jul-2019: Applied Materials signed a definitive agreement to acquire Kokusai Electric Corporation, a provider of high-productivity batch processing systems and services. The acquisition would complement the Applied's portfolio in single-wafer processing systems.

» Geographical Expansions:

- Aug-2019: Beiersdorf acquired Coppertone from Bayer. Coppertone is an American sunscreen brand. The acquisition expanded its position in the sun care business.
- Dec-2018: Procter and Gamble acquired Merck KGaA's Consumer Health business. The acquisition improved the geographical scale, product portfolio, and category footprint of the former company.
- Nov-2017: Unilever announced the acquisition of Carver Korea, a skincare company. The acquisition complemented the portfolio of Unilever and strengthened its position in North Asia.
- Sep-2016: Revlon completed the acquisition of Elizabeth Arden, a cosmetics, skincare, and fragrance company. The acquisition broadened the product portfolio of Revlon.

» Product Launches and Product Expansions:

- Jul-2019: Applied Materials launched Endura platforms for producing the next-gen of memories. The 'Endura Platforms' includes

Scope of the Physical Vapor Deposition Market Analysis

Market Segmentation:

By Application

- Cutting Tools
- Medical Equipment
- Solar Products
- Data Storage

- AJA International, Inc.
- Angstrom Engineering, Inc.
- CHA Industries, Inc.
- Denton Vacuum LLC
- PVD Products, Inc.

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Physical Vapor Deposition Market Related Reports:

North America Market

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FREQUENTLY ASKED QUESTIONS (FAQ):

Q1. What would be the size of physical vapor deposition market in 2025?

According to a new report published by KBV Research, The global physical vapor deposition market size is expected to reach $25.5 billion by 2025.

Q2. What are the key factors drive physical vapor deposition industry?

The major factors that are anticipated to drive the physical vapor deposition industry include pvd aluminum metalized finish in automotive applications, a rise in the demand for medical devices and equipment.

Q3. Which are the leading players in physical vapor deposition market?

The leading player in physical vapor deposition market includes Applied Materials, Inc., Lam Research Corporation (Novellus Systems), Intevac, Inc., Advanced Energy Industries, Inc., Kurt J. Lesker Company, AJA International, Inc., Angstrom Engineering, Inc., CHA Industries, Inc., Denton Vacuum LLC, and PVD Products, Inc.

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