Global Deposition Equipment Market: Analysis By Type (PECVD, Sputtering PVD, Tubular CVD, Non-tubular LPCVD, ALD, MOCVD, Electroplating ECD, and Other); By Application (Semiconductor & Microelectronics, Solar Products, Data Storage, Medical Equipment, Cutting Tools, and Other); By Region Size, and Trends with Impact of COVID-19 and Forecast up to 2027

December 2022

Daedal Research

Global Deposition Equipment Market: Coverage

- Executive Summary and Scope
- Introduction/Market Overview
- Global Market Analysis
- Regional Market Analysis
- Impact Of COVID 19
- Dynamics
- Competitive Landscape
- Company Profiling

Global Deposition Equipment Market : Coverage

Scope of the Report

Attributes	Details
Title	Global Deposition Equipment Market: Analysis By Type (PECVD, Sputtering PVD, Tubular CVD, Non-tubular LPCVD, ALD, MOCVD, Electroplating ECD, and Other); By Application (Semiconductor & Microelectronics, Solar Products, Data Storage, Medical Equipment, Cutting Tools, and Other); By Region Size, and Trends with Impact of COVID-19 and Forecast up to 2027
Coverage	Global and Regional
Regional Coverage	Asia Pacific (China, Japan, South Korea, and Rest of Asia Pacific), North America (The US, Canada, and Mexico), Europe (Germany, Spain, UK, Italy, France, and the Rest of Europe), and Rest of the World
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2027
Competition in the Market	Consolidated
Key Players	Applied Materials Inc., Tokyo Electron Limited, Lam Research Corporation, ASM International N.V, Veeco Instruments Inc., CVD Equipment Corporation, Aixtron SE, Bühler Alzenau, Samco Inc., Singulus Technologies AG, Plasma-Therm, and AJA International, Inc.

Global Deposition Equipment Market : Coverage

Executive Summary

Deposition is the process of depositing a layer of material on a surface. Deposition of thin films involves several processes, including atom adsorption, atom diffusion on the wafer surface, and coalescence at strategic locations. Deposition is an important manufacturing step in the fabrication of various opto-electronic, solid-state, and medical equipment and products, including consumer electronics, semiconductor lasers, fibre lasers, LED displays, optical filters, compound semiconductors, precision optics, microscopy & microanalysis sample slides, and medical implants. The global deposition equipment market in 2021 was valued at US$19.98 billion. The market would reach US$43.14 billion by 2027, growing at a CAGR of 13.85%, during the forecast period of 2022-2027.

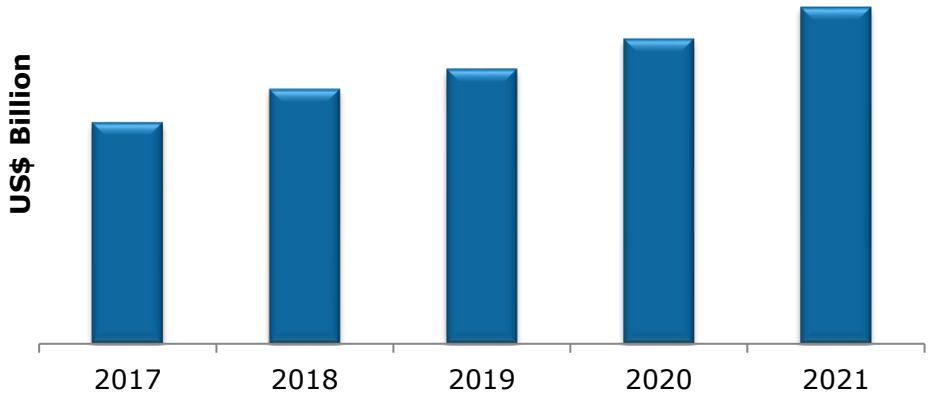
The global deposition equipment market can be segmented based on type (PECVD, Sputtering PVD, Tubular CVD, Non-tubular LPCVD, ALD, MOCVD, Electroplating ECD, and Other); and application (Semiconductor & Microelectronics, Solar Products, Data Storage, Medical Equipment, Cutting Tools, and Other). Among the type, PECVD lead the market with the maximum share in 2021 and is expected to be the highest growing segment in the coming years. Asia Pacific is leading the global deposition equipment market.

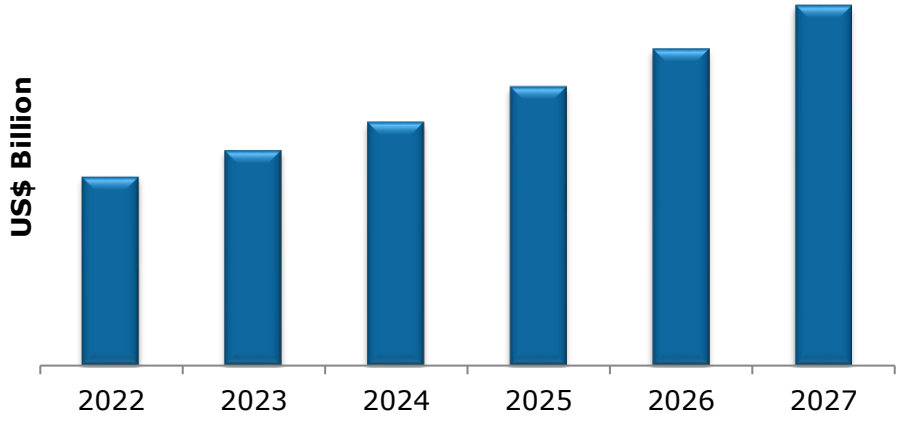
The outbreak of COVID-19 brought in a mixed impact on the overall deposition equipment market, which were majorly positive in nature. Early during the outbreak, several firms had to suspend production completely and this, along with global travel restrictions, meant that there were some severe supply concerns. As economic activity improved, the market for semiconductors recovered swiftly, as corporations began to renew their investments in cloud infrastructure and as artificial intelligence and linked gadgets become increasingly ubiquitous in the society. The sudden increase in demand for semiconductor sector during the second half of 2020 and start of 2021 increased demand for deposition equipment.

The global deposition equipment market has increased in 2021. The projections are made that the market would rise in the next five years i.e. 2022-2027 tremendously. The global deposition equipment market growth is predicted to be supported by numerous growth drivers such as growth in consumer electronics industry, rise in automotive industry, escalating use of advanced medical equipment, increasing demand for environmentally friendly coating processes, rising silicon wafer demand, and many other factors. Conversely, the market growth would be negatively impacted by various challenges such as high cost associated with deposition equipment manufacturing, geo political tension, functional defects and complexities, etc. Moreover, the market growth would succeed to various market trends like increasing penetration of AI applications, increasing demand for electronic vehicles, escalation of internet of things (IoT), growing global demand for photovoltaic cells, emergence of 5G network, etc.

Deposition Equipment Market : Global Analysis

Global Deposition Equipment Market by Value





CAGR	
2017-2021	xx%
2022-2027	xx%

Global Deposition Equipment market was valued at US$... billion in 2021 and is anticipated to reach up to US$... billion by 2027 from US$... billion in 2022, with a CAGR of xx%.

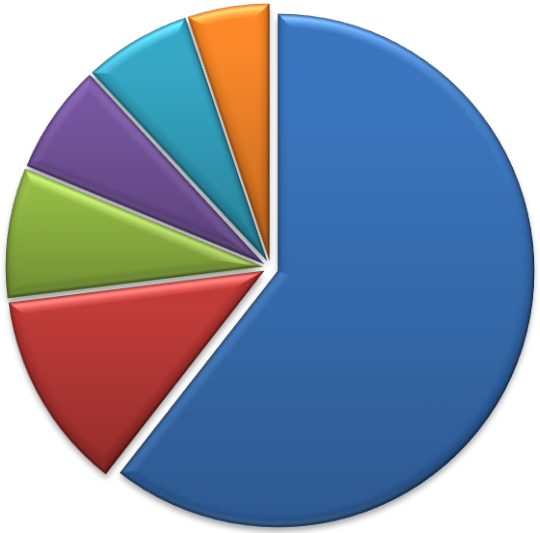
Deposition Equipment Market: Global Analysis

Global Deposition Equipment Market by Type; 2021

Type	Share
PECVD	xx%
Sputtering PVD	xx%
Tubular CVD	xx%
Non-tubular LPCVD	xx%
ALD	xx%
MOCVD	xx%
Electroplating ECD	xx%
Other	xx%

Deposition Equipment Market: Global Analysis

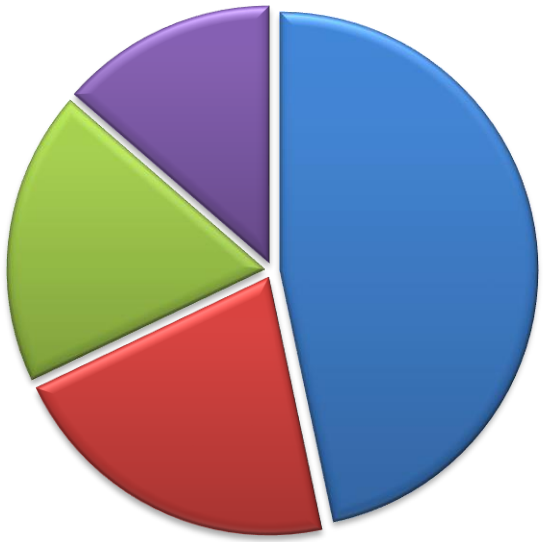
Global Deposition Equipment Market by Application; 2021



Application	Share
Semiconductor & Microelectronics	xx%
Solar Products	xx%
Data Storage	xx%
Medical Equipment	xx%
Cutting Tools	xx%
Other	xx%

Deposition Equipment Market: Global Analysis

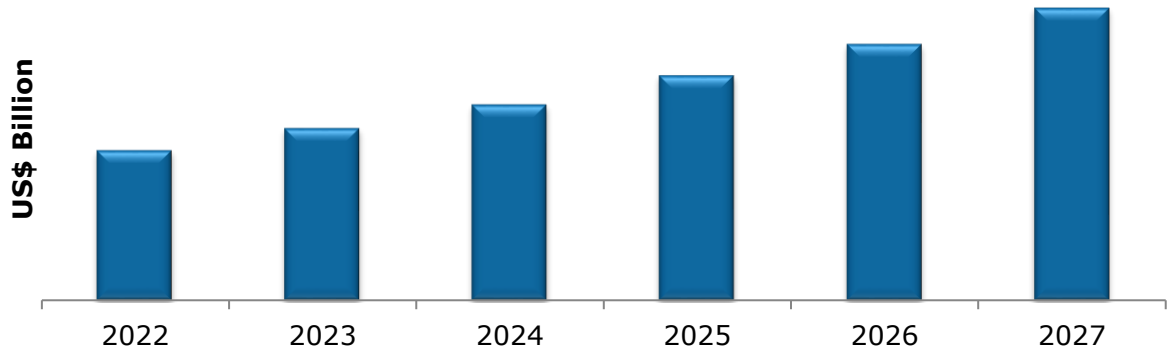
Global Deposition Equipment Market by Region; 2021



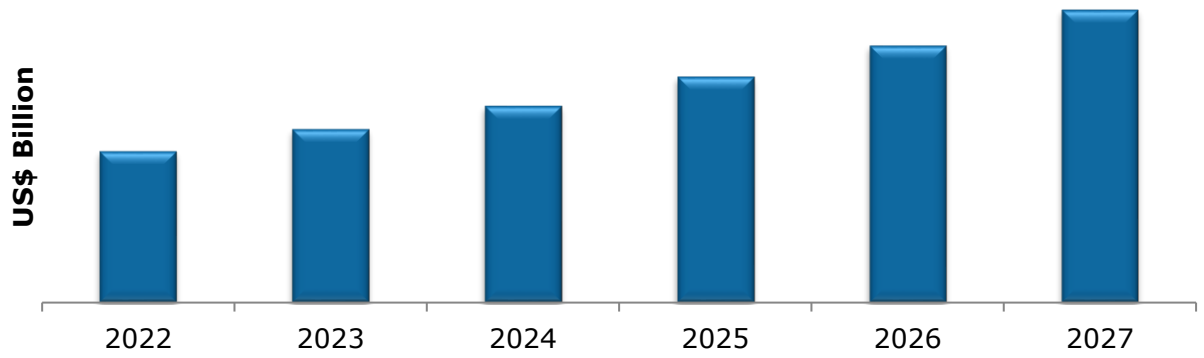
- Asia Pacific, xx%
- North America, xx%
- Europe, xx%
- Rest of the World, xx%

Deposition Equipment Market: Type Analysis

Global PECVD Equipment Market by Value



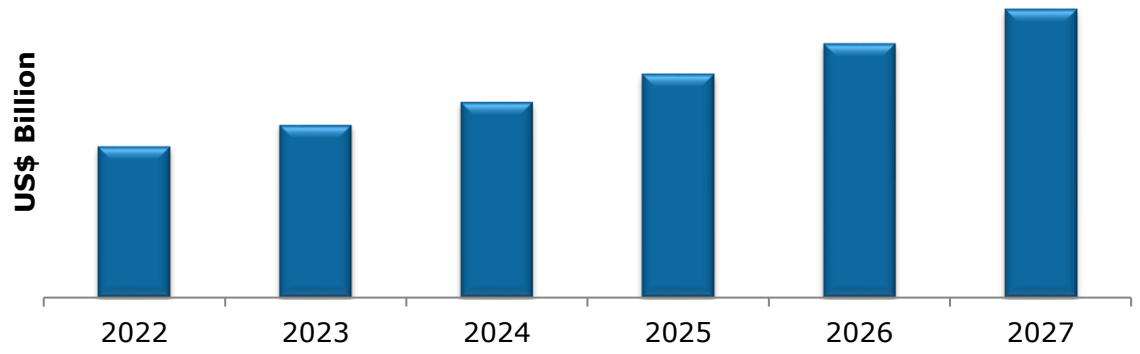
Global Sputtering PVD Equipment Market by Value



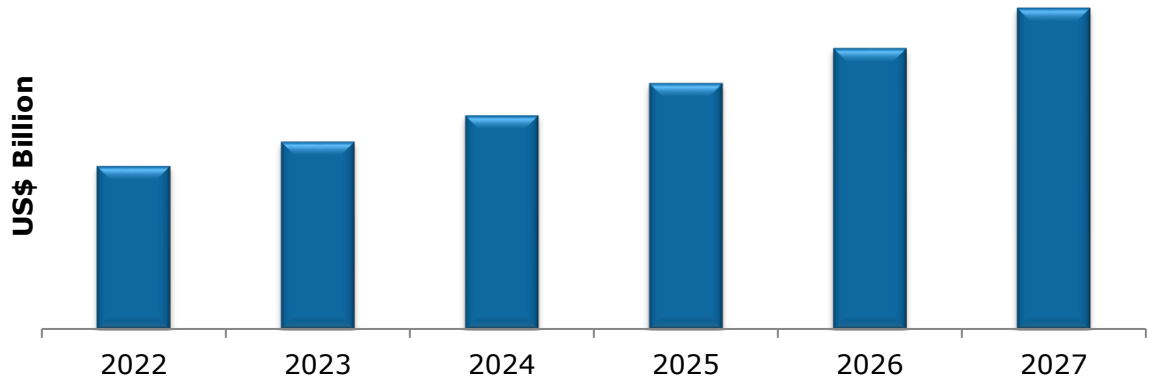
Type	CAGR (2022-2027)
PECVD	xx%
Sputtering PVD	xx%
Tubular CVD	xx%
Non-tubular LPCVD	xx%
ALD	xx%
MOCVD	xx%
Electroplating ECD	xx%
Other	xx%

Deposition Equipment Market: Application Analysis

Global Semiconductor & Microelectronics Deposition Equipment Market by Value



Global Solar Products Deposition Equipment Market by Value



Application	CAGR (2022-2027)
Semiconductor & Microelectronics	xx%
Solar Products	xx%
Data Storage	xx%
Medical Equipment	xx%
Cutting Tools	xx%
Other	xx%

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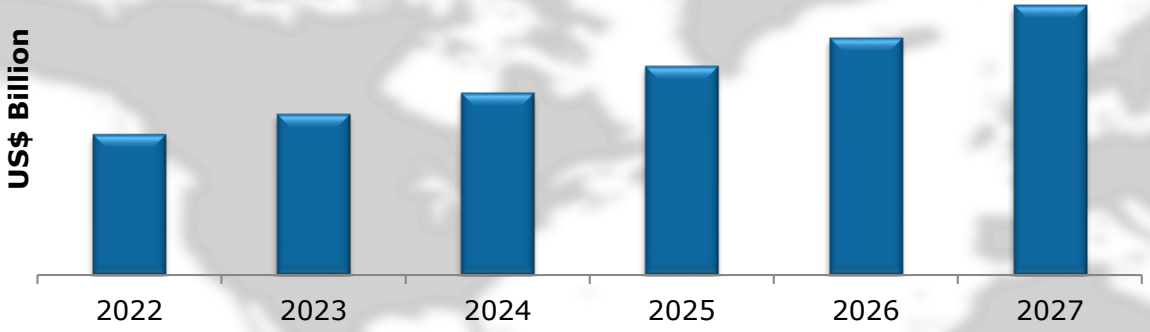
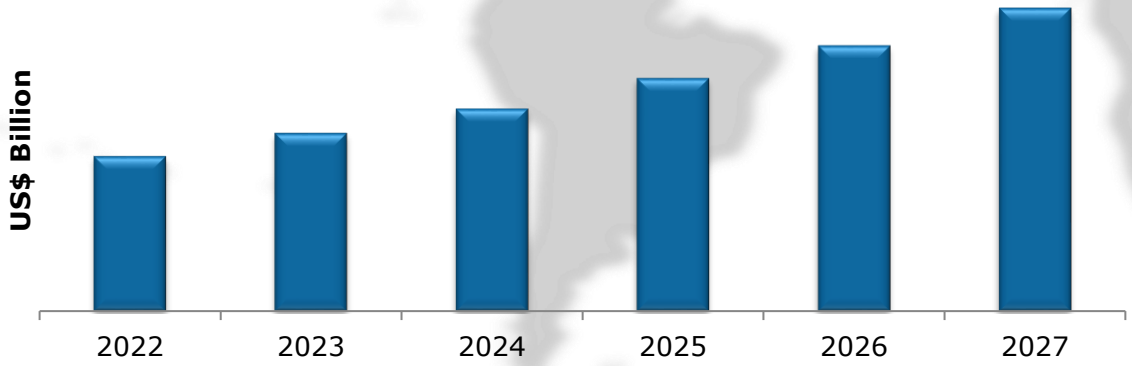
Deposition Equipment Market: Regional Analysis

Asia Pacific Deposition Equipment Market by Value



North America Deposition Equipment Market by Value



Region	CAGR (2022-2027)
Asia Pacific	xx%
North America	xx%
Europe	xx%
Rest of the World	xx%

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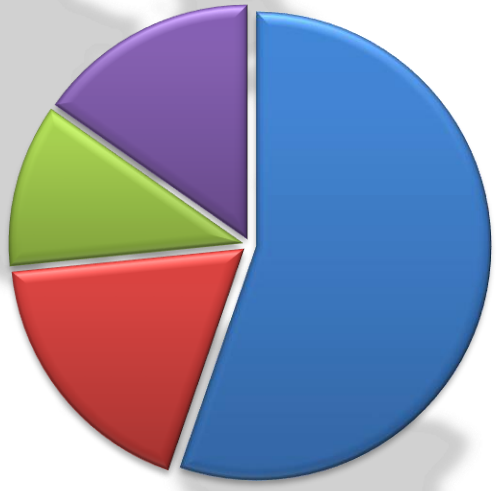
Asia Pacific Deposition Equipment Market: An Analysis

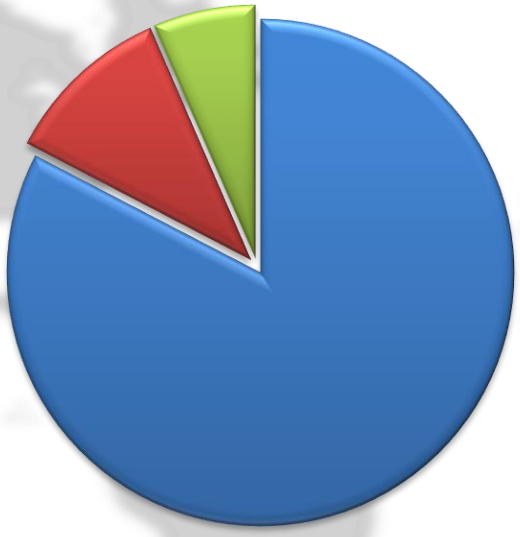
Asia Pacific Deposition Equipment Market by Region; 2021



Region	Share (2021)	CAGR (2022-2027)
China	xx%	xx%
Japan	xx%	xx%
South Korea	xx%	xx%
Rest of Asia Pacific	xx%	xx%

North America Deposition Equipment Market: An Analysis

North America Deposition Equipment Market by Region; 2021



Region	Share (2021)	CAGR (2022-2027)
The US	xx%	xx%
Canada	xx%	xx%
Mexico	xx%	xx%

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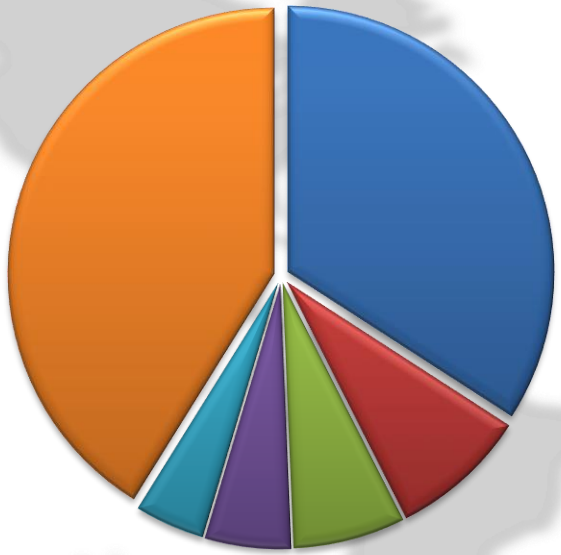
Europe Deposition Equipment Market: An Analysis

Europe Deposition Equipment Market by Region; 2021



Region	Share (2021)	CAGR (2022-2027)
Germany	xx%	xx%
Spain	xx%	xx%
UK	xx%	xx%
Italy	xx%	xx%
France	xx%	xx%
Rest of Europe	xx%	xx%

Global Deposition Equipment Market: Dynamics

Growth Driver

- Growth in Consumer Electronics Industry
- Rising Silicon Wafer Demand

Challenges

- High Cost Associated with Deposition Equipment Manufacturing
- Geo Political Tension

Market Trends

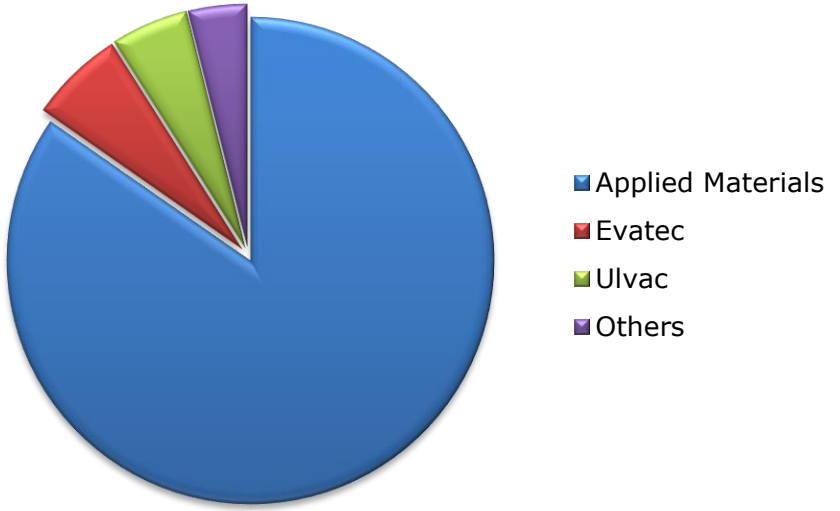
- Increasing Demand for Electronic vehicles
- Growing Global Demand For Photovoltaic Cells

Global Deposition Equipment Market: Competitive Landscape

Players Profiled

- Applied Materials Inc.
- Tokyo Electron Limited
- Lam Research Corporation
- ASM International N.V
- Veeco Instruments Inc.
- CVD Equipment Corporation
- Aixtron SE
- Bühler Alzenau
- Samco Inc.
- Singulus Technologies AG
- Plasma-Therm
- AJA International, Inc.

Global PVD Equipment Players by Market Share; 2021 (Percentage, %)



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