

## **Global Horizontal PECVD Market Growth 2024-2030**

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## **Abstracts**

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According to our LPI (LP Information) latest study, the global Horizontal PECVD market size was valued at US\$ 1884.1 million in 2023. With growing demand in downstream market, the Horizontal PECVD is forecast to a readjusted size of US\$ 2974.9 million by 2030 with a CAGR of 6.7% during review period.

The research report highlights the growth potential of the global Horizontal PECVD market. Horizontal PECVD are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Horizontal PECVD. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Horizontal PECVD market.

PECVD is a method or equipment known for its low-temperature deposition of thin films. The process temperature usually only needs to be in the lower temperature range of 200 to 400°C. Its basic principle is to use microwaves or radio frequencies to ionize the gas containing the atoms that make up the film to form a highly chemically active plasma, thereby depositing the desired film on the substrate. Among various types of PECVD equipment, tubular PECVD is widely used in the crystalline silicon cell industry. This equipment uses a quartz tube as the deposition chamber and a resistance furnace as the heating body. A graphite boat that can hold multiple silicon wafers is inserted into the quartz tube for thin film deposition.

The major global tubular PECVD companies include Applied Materials, ASM International, Lam Research, Wonik IPS, Meyer Burger, Centrotherm, Tempress, Plasma-Therm, S.C New Energy Technology and Jusung Engineering. Among them,



the market share of the Top 5 companies has reached 80%, and the market height Concentration, high-end PECVD equipment is mainly monopolized by American and European companies.

## Key Features:

The report on Horizontal PECVD market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Horizontal PECVD market. It may include historical data, market segmentation by Type (e.g., 5 Tubes PECVD, 10 Tubes PECVD), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Horizontal PECVD market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Horizontal PECVD market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Horizontal PECVD industry. This include advancements in Horizontal PECVD technology, Horizontal PECVD new entrants, Horizontal PECVD new investment, and other innovations that are shaping the future of Horizontal PECVD.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Horizontal PECVD market. It includes factors influencing customer 'purchasing decisions, preferences for Horizontal PECVD product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Horizontal PECVD market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures



aimed at promoting Horizontal PECVD market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Horizontal PECVD market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Horizontal PECVD industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Horizontal PECVD market.

Market Segmentation:

Horizontal PECVD market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

5 Tubes PECVD

10 Tubes PECVD

Others

Segmentation by application

Solar Cell

Semiconductor

This report also splits the market by region:



# Americas **United States** Canada Mexico Brazil **APAC** China Japan Korea Southeast Asia India Australia Europe Germany France UK Italy Russia Middle East & Africa

Egypt



South Africa

Israel
Turkey
GCC Countries
The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.
Applied Materials
ASM International
Lam Research
Wonik IPS
Meyer Burger
Centrotherm
Tempress
Plasma-Therm
S.C New Energy Technology
Jusung Engineering
KLA-Tencor (Orbotech)
ULVAC, Inc
Beijing NAURA



Shenyang Piotech

Oxford Instruments		
SAMCO		
CVD Equipment Corporation		
Trion Technology		
SENTECH Instruments		
NANO-MASTER		
Key Questions Addressed in this Report		
They Questions Addressed in this Report		
What is the 10-year outlook for the global Horizontal PECVD market?		
What factors are driving Horizontal PECVD market growth, globally and by region?		
Which technologies are poised for the fastest growth by market and region?		
How do Horizontal PECVD market opportunities vary by end market size?		

How does Horizontal PECVD break out type, application?



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