

Global Semiconductor Machinery Manufacturing Market Size study & Forecast, by Product Type (Wafer fabrication equipment, Assembly and packaging equipment, Inspection and metrology equipment, Others) by Application (Automotive, Consumer electronics, Telecommunications, Industrial, Healthcare, Others) and Regional Analysis, 2022-2029

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Abstracts

Global Semiconductor Machinery Manufacturing Market is valued approximately USD 65.61 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 8.8% over the forecast period 2022-2029. Semiconductor machinery manufacturing refers to the production of specialized machinery and equipment used in the manufacturing process of semiconductors. Semiconductors are an essential component of modern electronics, and semiconductor machinery plays a critical role in the fabrication and processing of semiconductors, which are used in various electronic devices such as computers, smartphones, televisions, and automotive electronics. The Semiconductor Machinery Manufacturing market is expanding because of factors such as increasing adoption of electric vehicles and growing demand for semiconductors.

Semiconductor machinery manufacturing involves designing, developing, manufacturing, and maintaining specialized equipment that is used in various stages of semiconductor production, including wafer processing, lithography, deposition, etching, testing, and packaging. This machinery includes sophisticated tools such as photolithography machines, chemical vapor deposition equipment, etching systems, ion implanters, wafer probers, and packaging machines. Its importance has progressively increased during the last few decades. According to Statista, the global electric vehicle fleet has been projected to have 77 million passenger vehicles by 2025, compared to an



estimated 20 million units in year 2022. In the same year, global electric passenger vehicles accounted for approximately 1.5% of the global automotive industry. Furthermore, in 2021 around 11.3 million battery electric vehicles were operating globally, as more than four million new battery electric vehicles were added to the global fleet compared to the previous year. Another important component driving space is increasing demand for semiconductors. As per Statista, the global semiconductor market accounts for USD 618 billion in 2022, an increase over the previous year's total revenue of USD 595 billion. In addition, Smartphones, particularly the continuous development of image sensors in such devices, are predicted to be one of the major applications within the worldwide semiconductor industry by 2025. The smartphone semiconductor industry was valued at USD 144 billion in 2022, estimated to reach up to USD 150 billion by 2025. Also, increasing demand for discrete devices and rising technological advancement in Semiconductor Machinery would create a lucrative growth prospectus for the market over the forecast period. However, the high cost of Semiconductor Machinery Manufacturing stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Semiconductor Machinery Manufacturing Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. Asia Pacific dominated the market in terms of revenue, owing to large supply chains of semiconductor devices across countries such as Taiwan, Japan, and China. According to the Statista, in 2021, the Asia-Pacific semiconductor industry accounts USD 342.97 billion in revenue and estimated to USD 411.97 billion by 2023. Asia Pacific is expected to grow with a highest CAGR during the forecast period, owing to factors such as geographic expansion of key players, and active participation of government organizations in the market space.

Major market player included in this report are:

Applied Materials Inc ASM International NV ASML Holding NV Daifuku Co. Ltd., EV Group, Evatec AG, Hitachi Ltd., KLA Corp., Lam Research Corp Tokyo Electron Ltd



Recent Developments in the Market:

In December 2022, Daifuku Co. Ltd, has announced a significant growth plan for its Indian affiliate, Daifuku Intralogistics India Private Limited. As part of their business expansion in India, Daifuku bought Hyderabad-based Vega Conveyors & Automation in 2019. Following the consolidation of Vega and Daifuku India activities in 2022, the subsidiary was renamed Daifuku Intralogistics India Private Limited.

Global Semiconductor Machinery Manufacturing Market Report Scope: Historical Data 2019-2020-2021 Base Year for Estimation 2021 Forecast period 2022-2029 Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends Segments Covered Product Type, Application, Region Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type Wafer fabrication equipment Assembly and packaging equipment Inspection and metrology equipment Others

By Application Automotive Consumer electronics



Telecommunications Industrial Healthcare Others By Region: North America U.S. Canada Europe UK Germany France Spain Italy ROE Asia Pacific China India Japan Australia South Korea RoAPAC Latin America Brazil Mexico RoLA Rest of the World



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