

Global Semiconductor Lithography Equipment Market is segmented by Type (Deep Ultraviolet Lithography, Extreme Ultraviolet Lithography), Application (Advanced Packaging, MEMS Devices, LED Devices). Regional Forecasting 2021-2027

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Abstracts

Global Semiconductor Lithography Equipment Market was valued at USD 14.5 Billion in 2019 and expected to grow with a CAGR 9.54% over the forecast period 2021-2027. Electrical components and appliances such as memory chips and computer microprocessors contain electrical circuits at the nanometer level that are designed by the deployment of lithographic semiconductor equipment. In developing new technological solutions which involve semiconductors circuit integration, semiconductor lithographic equipment plays a crucial role. The market growth is driven by rising innovation by Specialist Equipment Vendors and rising demand for Miniaturization and Extra Functionality by Electric Vehicles. Vendors have developed increasingly advanced CD (Critical dimension) measuring techniques to meet industry's rising demand for miniaturization. For example, the high-technology company Hitachi has previously announced the addition of the advanced SEM CG7300 CD Measurement, providing an improved measurement precision and higher quality. The new equipment was intended to mass production of generation units of 5nm and to the development of EUV lithography generation units of 3nm. Furthermore, as Integrated Circuits (IC) become more widely used, the market for low-cost, high-performance devices grows. The Semiconductor Industry Association estimates that the semiconductor sector will be worth USD 433.03 billion in 2020. Despite that, complexity of Pattern in Manufacturing Process hinders the growth of market over the forecasting period 2020-2027.

Regional Analysis

In terms of revenues from semiconductor lithography equipment, North America is expected to capture the largest market share, owing to a rising demand for integrated

advancement circuits and new technologies that is expected to lead to the growth of the market in the respective region in the prediction period. However, the demand for semiconductor lithography devices in the Asia-Pacific region is driving by continuous increase in demand for compact electronic devices.

Key Players in Global Semiconductor Lithography Equipment Market

Nikon Corporation

Canon Inc.

ASML Holding NV

Veeco Instruments Inc.

S?SS MicroTec SE

Shanghai Micro Electronics Equipment (Group) Co., Ltd.

EV Group (EVG)

JEOL, Ltd.

Onto Innovation (Rudolph Technologies, Inc.)

Neutronix Quintel Inc. (NXQ)

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 eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available 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 Type:

Deep Ultraviolet Lithography (DUV) (ArFi, ArF dry, KrF, i-line)

Extreme Ultraviolet Lithography (EUV)

By Application:

Advanced Packaging

MEMS Devices

LED Devices

By Region:

North America

U.S.

Canada

Europe

UK
Germany
France
Spain
Italy

Asia Pacific
China
India
Japan
Australia

Latin America
Brazil
Mexico
Rest of LA
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018
Base year – 2019
Forecast period – 2020 to 2027

Target Audience of Global Semiconductor Lithography Equipment Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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