

Lithography Systems Market Expand CAGR of ~5% Assessment for the Driving Factors, Size & Opportunities During 2023-2033

Global lithography systems market is expected to reach an estimated value of ~USD 13 billion by 2033, by expanding at a CAGR of ~5%.



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STATES, January 20, 2023 /EINPresswire.com/ -- Global [Lithography Systems Market](#) Key Insights

During the forecast period of 2023-2033, the global lithography systems market is expected to reach an estimated value of ~USD 13 billion by 2033, by expanding at a CAGR of ~5%. The market further generated a revenue of ~USD 8 billion in the year 2022. Major key factors propelling the growth of lithography systems market worldwide are the rapid expansion of the semiconductor industry and the increasing production of semiconductor chips worldwide.

Market Definition of Lithography Systems

The lithography process uses the principle of unmixable between grease and water to produce prints. A wide range of technologies have been developed based on it, including semiconductor lithography, which was formerly used by only artists for the purpose of producing prints. Currently, microfabrication systems are used to fabricate thin films and major fractions of planar surfaces. Consequently, lithography systems have become increasingly used to print artwork or text on a variety of materials and to construct semiconductor patterns or crystals that are then incorporated into integrated circuits.

Moreover, the increasing integration of semiconductor chips in hybrid vehicles along with the increased number of semiconductor companies utilizing lithography systems to determine the dimensions, locations, and shapes of their integrated circuits is anticipated to drive global lithography systems market growth over the forecast period.

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Global Lithography Systems Market: Growth Drivers

The growth of the global lithography systems market can majorly be attributed to the launch of several additional products by the key players operating in the market. For instance, in addition to the initial members of the Open Innovation Platform (OIP) Cloud Alliance, Taiwan Semiconductor Manufacturing Company Limited announced the addition of Mentor Graphics to the consortium, joining Amazon Web Services, Synopsys, Microsoft and AzureCadence. On the other hand, the market growth can also be attributed to the several cooperation contracts occurring in the field of lithography systems. For instance, ASML Holdings and Intel Corporation announced their latest phase of cooperation to advance semiconductor lithography.

The global lithography systems market is also estimated to grow majorly on account of the following:

- Rising Investments In Fab And Chip Manufacturing Plants Across the Globe
- Surging Automotive Industry Worldwide
- Increasing Spending By Consumers On Electronic Devices Worldwide
- Growing Expenditure On Research And Development Activities
- Global Lithography Systems Market: Restraining Factor

There are technical challenges faced during production process, and complex process involved in developing euv lithography systems that are used for making modern micro circuitry in the market. Hence, these factors are expected to be the major hindrance for the growth of the global lithography systems market during the forecast period.

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Global Lithography Systems Market Segmentation

By Technology (ArF Immersion, KrF, i-line, ArF Dry and EUV)

The EUV segment, amongst all the other segments, is anticipated to garner the largest revenue by the end of 2033. The growth of the segment can be attributed to the rising adoption of electronic devices and gadgets, which is contributing to the increasing demand for microprocessors. For instance, in 2021, TV sales, smartphone sales, and computer sales totaled USD 850 billion.

By Application (Foundry, Memory, Integrated Device)

By End User (Industrial, Manufacturing, and Others)

By Region

The Asia Pacific lithography systems market is anticipated to hold the largest market share by the end of 2033 among the market in all the other regions. Rapid expansion of the semiconductor sector, presence of a huge number of semiconductor fabrication plants, R&D

activities focused on advancement in wireless technologies, rising automation in various industries, along with huge investments in IoT and human-machine interface technologies in the region are some of the major factors anticipated to drive the growth of the market in the Asia Pacific during the forecast period. According to estimates, the semiconductor industry in India accounted for nearly USD 26 billion in the year 2021 and is projected to increase at a CAGR of 15% by 2026 and reach USD 63 billion.

The market research report on global lithography systems also includes the market size, market revenue, Y-o-Y growth, and key player analysis applicable for the market in North America (U.S., and Canada), Latin America (Brazil, Mexico, Argentina, Rest of Latin America), Asia-Pacific (China, India, Japan, South Korea, Singapore, Indonesia, Malaysia, Australia, New Zealand, Rest of Asia-Pacific), Europe (U.K., Germany, France, Italy, Spain, Hungary, Belgium, Netherlands & Luxembourg, NORDIC (Finland, Sweden, Norway, Denmark), Ireland, Switzerland, Austria, Poland, Turkey, Russia, Rest of Europe), and Middle East and Africa (Israel, GCC (Saudi Arabia, UAE, Bahrain, Kuwait, Qatar, Oman), North Africa, South Africa, Rest of Middle East and Africa).

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Key Market Players Featured in the Global Lithography Systems Market

Some of the key players of the global lithography systems market are ASML Holding, Taiwan Semiconductor Manufacturing Company Limited, Samsung Electronics Co., Ltd, Canon Inc., Nikon Corporation, NuFlare Technology, Inc., EV Group (EVG), Veeco Instruments Inc., SÜSS MicroTec SE, Advantest Corporation, and others.

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