

# **Photomask Equipment Market Size, Share & Trends Analysis Report By Technology (Deep Ultraviolet (DUV), Extreme Ultraviolet (EUV)), By Process (Baking, Developing/Etching, Cleaning, Inspection), By End-use, By Region, And Segment Forecasts, 2026 - 2033**

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## **Abstracts**

The global photomask equipment market size was estimated at USD 2,940.2 million in 2025 and is projected to reach USD 5,624.1 million by 2033, growing at a CAGR of 8.5% from 2026 to 2033. The primary factor driving the growth of the industry is the expansion of semiconductor manufacturing worldwide.

Photomasks are essential components used during photolithography to transfer circuit patterns onto wafers, making the equipment used for mask baking, developing, cleaning, and inspection critical in chip fabrication processes. As demand for advanced semiconductors increases across applications, manufacturers continue to expand fabrication capacity, thereby increasing the need for photomask equipment throughout the mask fabrication process.

The adoption of extreme ultraviolet (EUV) and advanced deep ultraviolet (DUV) lithography requires highly precise photomasks and specialized equipment for inspection, cleaning, and defect control. The increasing complexity of advanced lithography technologies and the expansion of related electronics industries support market growth. In addition, the expansion of semiconductor, flat panel display, and MEMS manufacturing is further strengthening the demand for photomask equipment across multiple end use industries.

## Global Photomask Equipment Market Report Segmentation

This report forecasts revenue growth at global, regional, and at country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the global photomask equipment market report based on technology, process, end use, and region:

Technology Outlook (Revenue, USD Million, 2021 - 2033)

Deep Ultraviolet (DUV)

Extreme Ultraviolet (EUV)

Others

Process Outlook (Revenue, USD Million, 2021 - 2033)

Baking

Developing/Etching

Cleaning

Inspection

End Use Outlook (Revenue, USD Million, 2021 - 2033)

Semiconductors

Flat Panel Display

MEMS

Others

Regional Outlook (Revenue, USD Million, 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Netherlands

Asia Pacific

China

India

Japan

South Korea

Malaysia

Taiwan

Latin America

Brazil

Middle East & Africa

South Africa

Israel

**This report can be delivered to the clients within 4 Business Days**

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