

Global Semiconductor Fabrication Software Market Growth (Status and Outlook) 2025-2031

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Abstracts

According to this study, the global Semiconductor Fabrication Software market size will reach US\$ 6798 million by 2031.

Semiconductor fabrication software comprises design software tools (EDA tools) and production software tools. Electronic design automation (EDA) is a software tool that is used to design electronic systems. It can vary for computer or mobile device chips to chips used in satellites. The value of EDA tools is increasing over time due to the growing complexity of electronics. The growth of SoC circuits involves integrating multiple components on a chip while production software tools are used in the manufacturing of semiconductor devices.

Following a strong growth of 26.2 percent in the year 2021, WSTS revised it down to a single digit growth for the worldwide semiconductor market in 2022 with a total size of US\$580 billion, up 4.4 percent. WSTS lowered growth estimation as inflation rises and end markets seeing weaker demand, especially those exposed to consumer spending. While some major categories are still double-digit year-over-year growth in 2022, led by Analog with 20.8 percent, Sensors with 16.3 percent, and Logic with 14.5 percent growth. Memory declined with 12.6 percent year over year. In 2022, all geographical regions showed double-digit growth except Asia Pacific. The largest region, Asia Pacific, declined 2.0 percent. Sales in the Americas were US\$142.1 billion, up 17.0% year-on-year, sales in Europe were US\$53.8 billion, up 12.6% year-on-year, and sales in Japan were US\$48.1 billion, up 10.0% year-on-year. However, sales in the largest Asia-Pacific region were US\$336.2 billion, down 2.0% year-on-year.

LPI (LP Information)' newest research report, the "Semiconductor Fabrication Software Industry Forecast" looks at past sales and reviews total world Semiconductor

Fabrication Software sales in 2024, providing a comprehensive analysis by region and market sector of projected Semiconductor Fabrication Software sales for 2025 through 2031. With Semiconductor Fabrication Software sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Semiconductor Fabrication Software industry.

This Insight Report provides a comprehensive analysis of the global Semiconductor Fabrication Software landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Semiconductor Fabrication Software portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Semiconductor Fabrication Software market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Semiconductor Fabrication Software and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Semiconductor Fabrication Software.

This report presents a comprehensive overview, market shares, and growth opportunities of Semiconductor Fabrication Software market by product type, application, key players and key regions and countries.

Segmentation by Type:

Design Software Tools (EDA Tools)

Production Software Tools

Segmentation by Application:

Foundries

Integrated Device Manufacturer (IDMs)

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

Cadence Design Systems

KLA-Tencor

Mentor Graphics

Synopsys

Agnisys

Aldec

Ansoft

ATopTech

JEDA Technologies

Rudolph Technologies

Sigrity

Tanner EDA

Xilinx

Zuken

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