

## **Global Semiconductor Fabrication Software Market Analysis and Forecast, 2022-2028**

Market Report | 2023-02-23 | 110 pages | RationalStat

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### **Report description:**

Global Semiconductor Fabrication Software Market Analysis and Forecast, 2022-2028

The global semiconductor fabrication software market was US\$ 580 Mn in 2021 and is expected to grow at a CAGR of around 3% over the forecast period of 2022-2028.

#### **Market Scope & Overview**

The global semiconductor fabrication software market study by RationalStat comprises comprehensive market analysis and insights across the key market segments and geography. The market report analyzes the global market for the historical period of 2019-2021 and the forecast period of 2022-2028 based on the product installed base, key forecasting factors impacting the market conditions, and major market developments happening in the market throughout the analysis period. RationalStat practices primary and secondary research for conducting an insightful market study. Various market parameters such as macroeconomic conditions, market environment, government policies, and competitive landscape are thoroughly studied and taken into account while analyzing the market.

The global semiconductor fabrication software market report also covers value chain and supply chain analysis that provides in-depth information about the value addition at each stage of the product. Market dynamics incorporated in the market study include drivers, restraints/challenges, trends, and their impact on the market throughout the analysis period.

The global semiconductor fabrication software market includes a market share analysis and market structure overview with detailed company profiling of leading players with their financials, product offerings, major developments, etc. This enables clients and report buyers to make strong, precise, and timely decisions.

#### **State of Global Economy, COVID-19 Outbreak, and the Russo-Ukraine War Impact**

The global economy experienced heavy headwinds, throughout 2019-2021, as some countries witnessed subdued growth, while other countries continued to grapple with economic slowdowns. Also, intensifying tension between the US and Iran along with the tightening sanctions on Venezuela by the US further hampered global economic growth in 2019. Moreover, the heightened trade war between the US and China and the rising trade uncertainty continued to exert adverse effects on the global economy. Amid all these, the COVID-19 outbreak at the end of the year 2019 in Wuhan, China further deteriorated global economic growth. The COVID-19 pandemic has levied undue pressure across the majority of industries globally and has caused a major economic crisis in the US, India, Italy, UK, Germany, India, Japan, South Korea, the UK, and many others. Many of these countries had

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announced partial or complete nationwide lockdowns. The governments of several nations have called on people to shelter in place at home, travel restrictions, shut down local businesses, and prohibited social gatherings.

The rapid spread of the virus in the early month of 2020 followed by a second wave of COVID-19 caused a significant change in management strategies of the leading industries which have affected the market or industry at a significant level. Besides, the exit of the UK from the European Union earlier in 2020 and the Russo-Ukraine war in 2022 exacerbated the ever-heightened global uncertainty.

#### Key Market Segmentation and Companies

RationalStat has segmented the global semiconductor fabrication software market based on solution, application, and region.

##### - By Solution

###### o CAE

###### o IC physical design and verification

###### o PCB and MCM

###### o Fab management software

###### o Others (Process Control Software, etc.)

##### - By Application

###### o Process documentation

###### o Process integration

###### o Others

##### - By Region

###### o North America

###### - US

###### - Canada

###### o Latin America

###### - Brazil

###### - Mexico

###### - Rest of Latin America

###### o Western Europe

###### - Germany

###### - UK

###### - France

###### - Spain

###### - Italy

###### - Benelux

###### - Nordic

###### - Rest of Western Europe

###### o Eastern Europe

###### - Russia

###### - Poland

###### - Rest of Eastern Europe

###### o Asia Pacific

###### - China

###### - Japan

###### - India

###### - South Korea

###### - Australia

###### - ASEAN (Indonesia, Vietnam, Malaysia, etc.)

###### - Rest of Asia Pacific

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- o Middle East & Africa
- GCC
- South Africa
- Turkey
- Rest of the Middle East & Africa

- Leading Companies and Market Players

- o Aldec Inc.
- o ANSYS Inc.
- o Applied Materials Inc.
- o Cadence Design Systems Inc.
- o Cantier Systems Pte Ltd.
- o Fabmatics GmbH
- o KLA Corp.
- o Lam Research Corp.
- o Mindteck India Ltd.
- o Onto Innovation Inc.
- o Sasken Technologies Ltd.
- o Siemens AG
- o Thermo Fisher Scientific Inc.
- o Tismo Technology Solutions Pvt. Ltd.
- o Zuken Inc.

**Table of Contents:**

Global Semiconductor Fabrication Software Market Analysis and Forecast 2019-2028

Table of Contents

1. Market Introduction
  - 1.1. Scope of Study
  - 1.2. Problem Statement
  - 1.3. Market Segmentation
2. Assumptions and Acronyms
3. Executive Summary
  - 3.1. Global Market in 2022
  - 3.2. Analyst Insights & Recommendations
  - 3.3. Growth Opportunities and Key Strategies
  - 3.4. Supply-side and Demand-side Trends
4. Research Methodology
5. Analysis of COVID-19 Impact and Road Ahead
6. Market Indicators and Background
  - 6.1. Macro-Economic Factors
  - 6.2. Forecasting Factors

Robust assessment of various factors including industrial performance, industry players' expenditures, and economic conditions, among others

  - 6.3. Supply Chain & Value Chain Analysis
  - 6.4. Industry SWOT Analysis

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- 6.5. PESTLE Analysis
- 6.6. Porter's Five Forces Analysis
- 7. Government Laws and Industry Regulations
- 8. Global and Regional Market Dynamics
  - 8.1. Drivers
  - 8.2. Restraints
  - 8.3. Trends
  - 8.4. Opportunities
- 9. Global Semiconductor Fabrication Software Market: Key Investment Analysis
  - 9.1. By Key Industry Players
  - 9.2. By Region
  - 9.3. M&A Activities
- Robust assessment of major investments made by various industry players across key regions
- 10. Parent Market Overview: Global ICT Market Overview
- 11. Segmental Analysis
  - 11.1. Global Semiconductor Fabrication Software Market by Solution
    - 11.1.1. Segment Overview
      - 11.1.1.1. CAE
      - 11.1.1.2. IC physical design and verification
      - 11.1.1.3. PCB and MCM
      - 11.1.1.4. Fab management software
      - 11.1.1.5. Others (Process Control Software, etc.)
    - 11.2. Global Semiconductor Fabrication Software Market by Application
      - 11.2.1. Segment Overview
        - 11.2.1.1. Process documentation
        - 11.2.1.2. Process integration
        - 11.2.1.3. Others
      - 11.3. Global Semiconductor Fabrication Software Market by Region
        - 11.3.1. North America
        - 11.3.2. Latin America
        - 11.3.3. Western Europe
        - 11.3.4. Eastern Europe
        - 11.3.5. Asia Pacific
        - 11.3.6. Middle East & Africa
  - 12. Regional Analysis
    - 12.1. North America Semiconductor Fabrication Software Market Analysis and Forecast 2019-2028
      - 12.1.1. Regional Market Overview and Key Takeaways
      - 12.1.2. North America Semiconductor Fabrication Software Market by Solution
      - 12.1.3. North America Semiconductor Fabrication Software Market by Application
      - 12.1.4. North America Semiconductor Fabrication Software Market by Country
        - 12.1.4.1. US
        - 12.1.4.2. Canada
    - 12.2. Latin America Semiconductor Fabrication Software Market Analysis and Forecast 2019-2028
      - 12.2.1. Regional Market Overview and Key Takeaways
      - 12.2.2. Latin America Semiconductor Fabrication Software Market by Solution
      - 12.2.3. Latin America Semiconductor Fabrication Software Market by Application
      - 12.2.4. Latin America Semiconductor Fabrication Software Market by Country

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- 12.2.4.1. □Brazil
- 12.2.4.2. □Mexico
- 12.2.4.3. □Rest of Latin America
- 12.3. □Western Europe Semiconductor Fabrication Software Market Analysis and Forecast 2019-2028
- 12.3.1. □Regional Market Overview and Key Takeaways
- 12.3.2. □Western Europe Semiconductor Fabrication Software Market by Solution
- 12.3.3. □Western Europe Semiconductor Fabrication Software Market by Application
- 12.3.4. □Western Europe Semiconductor Fabrication Software Market by Country
- 12.3.4.1. □Germany
- 12.3.4.2. □UK
- 12.3.4.3. □France
- 12.3.4.4. □Spain
- 12.3.4.5. □Italy
- 12.3.4.6. □Benelux
- 12.3.4.7. □Nordic
- 12.3.4.8. □Rest of Western Europe
- 12.4. □Eastern Europe Semiconductor Fabrication Software Market Analysis and Forecast 2019-2028
- 12.4.1. □Regional Market Overview and Key Takeaways
- 12.4.2. □Eastern Europe Semiconductor Fabrication Software Market by Solution
- 12.4.3. □Eastern Europe Semiconductor Fabrication Software Market by Application
- 12.4.4. □Eastern Europe Semiconductor Fabrication Software Market by Country
- 12.4.4.1. □Russia
- 12.4.4.2. □Poland
- 12.4.4.3. □Rest of Eastern Europe
- 12.5. □Asia Pacific Semiconductor Fabrication Software Market Analysis and Forecast 2019-2028
- 12.5.1. □Regional Market Overview and Key Takeaways
- 12.5.2. □Asia Pacific Semiconductor Fabrication Software Market by Solution
- 12.5.3. □Asia Pacific Semiconductor Fabrication Software Market by Application
- 12.5.4. □Asia Pacific Semiconductor Fabrication Software Market by Country
- 12.5.4.1. □China
- 12.5.4.2. □Japan
- 12.5.4.3. □India
- 12.5.4.4. □South Korea
- 12.5.4.5. □Australia
- 12.5.4.6. □ASEAN
- 12.5.4.7. □Rest of Asia-Pacific
- 12.6. □Middle East & Africa Semiconductor Fabrication Software Market Analysis and Forecast 2019-2028
- 12.6.1. □Regional Market Overview and Key Takeaways
- 12.6.2. □Middle East & Africa Semiconductor Fabrication Software Market by Solution
- 12.6.3. □Middle East & Africa Semiconductor Fabrication Software Market by Application
- 12.6.4. □Middle East & Africa Semiconductor Fabrication Software Market by Country
- 12.6.4.1. □GCC
- 12.6.4.2. □South Africa
- 12.6.4.3. □Turkey
- 12.6.4.4. □Rest of the Middle East & Africa
- 13. □Competitive Landscape
- 13.1. □Competition Dashboard

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- 13.1.1. Global and Regional Market Share Analysis
- 13.1.2. Market Structure
- 13.2. Competitive Benchmarking
- 13.3. Key Strategy Analysis
- 13.4. Company Profiles
  - 13.4.1. Aldec Inc.
    - 13.4.1.1. Company Overview
    - 13.4.1.2. Source/Service Offerings
    - 13.4.1.3. Key Financials
    - 13.4.1.4. Recent Developments
  - 13.4.2. ANSYS Inc.
    - 13.4.2.1. Company Overview
    - 13.4.2.2. Source/Service Offerings
    - 13.4.2.3. Financials
    - 13.4.2.4. Recent Developments
  - 13.4.3. Applied Materials Inc.
    - 13.4.3.1. Company Overview
    - 13.4.3.2. Source/Service Offerings
    - 13.4.3.3. Financials
    - 13.4.3.4. Recent Developments
  - 13.4.4. Cadence Design Systems Inc.
    - 13.4.4.1. Company Overview
    - 13.4.4.2. Source/Service Offerings
    - 13.4.4.3. Financials
    - 13.4.4.4. Recent Developments
  - 13.4.5. Cantier Systems Pte Ltd.
    - 13.4.5.1. Company Overview
    - 13.4.5.2. Source/Service Offerings
    - 13.4.5.3. Financials
    - 13.4.5.4. Recent Developments
  - 13.4.6. Fabmatics GmbH
    - 13.4.6.1. Company Overview
    - 13.4.6.2. Source/Service Offerings
    - 13.4.6.3. Financials
    - 13.4.6.4. Recent Developments
  - 13.4.7. KLA Corp.
    - 13.4.7.1. Company Overview
    - 13.4.7.2. Source/Service Offerings
    - 13.4.7.3. Financials
    - 13.4.7.4. Recent Developments
  - 13.4.8. Lam Research Corp.
    - 13.4.8.1. Company Overview
    - 13.4.8.2. Source/Service Offerings
    - 13.4.8.3. Financials
    - 13.4.8.4. Recent Developments
  - 13.4.9. Mindteck India Ltd.
    - 13.4.9.1. Company Overview

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- 13.4.9.2.□Source/Service Offerings
- 13.4.9.3.□Financials
- 13.4.9.4.□Recent Developments
- 13.4.10.□Onto Innovation Inc.
- 13.4.10.1.□Company Overview
- 13.4.10.2.□Source/Service Offerings
- 13.4.10.3.□Financials
- 13.4.10.4.□Recent Developments
- 13.4.11.□Sasken Technologies Ltd.
- 13.4.11.1.□Company Overview
- 13.4.11.2.□Source/Service Offerings
- 13.4.11.3.□Financials
- 13.4.11.4.□Recent Developments
- 13.4.12.□Siemens AG
- 13.4.12.1.□Company Overview
- 13.4.12.2.□Source/Service Offerings
- 13.4.12.3.□Financials
- 13.4.12.4.□Recent Developments
- 13.4.13.□Thermo Fisher Scientific Inc.
- 13.4.13.1.□Company Overview
- 13.4.13.2.□Source/Service Offerings
- 13.4.13.3.□Financials
- 13.4.13.4.□Recent Developments
- 13.4.14.□Tismo Technology Solutions Pvt. Ltd.
- 13.4.14.1.□Company Overview
- 13.4.14.2.□Source/Service Offerings
- 13.4.14.3.□Financials
- 13.4.14.4.□Recent Developments
- 13.4.15.□Zuken Inc.
- 13.4.15.1.□Company Overview
- 13.4.15.2.□Source/Service Offerings
- 13.4.15.3.□Financials
- 13.4.15.4.□Recent Developments
- 14.□Disclaimer

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