

Global Semiconductor Foundry Market Size study & Forecast, by Technology Node (10/7/5 nm, 16/14 nm, 20 nm, 28 nm, 45/40 nm, 65 nm, Other Technology Nodes), by Application (Consumer Electronics and Communication, Automotive, Industrial, HPC, Other Applications) and Regional Analysis, 2023-2030

<https://marketpublishers.com/r/GD469009221DEN.html>

Date: October 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GD469009221DEN

Abstracts

Global Semiconductor Foundry Market is valued approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2023-2030. The semiconductor foundry market plays a crucial role in the global semiconductor industry. It enables semiconductor design companies to outsource the manufacturing of their IC designs, allowing them to focus on research, development, and innovation. The major driving factors for the Global Semiconductor Foundry Market are increasing demand for consumer electronics, automotive electronics, and IoT devices and advancements in technology, such as the emergence of 5G, artificial intelligence (AI), and Internet of Things (IoT). Moreover, increasing adoption of advanced packaging technologies and focus on specialized process technologies is creating lucrative growth opportunity for the market over the forecast period 2023-2030.

The demand for consumer electronics, such as smartphones, tablets, wearables, smart home devices, and other connected gadgets, has been consistently growing. According to Statista, in year 2019 the total sales of consumer electronics stood at USD 951.91 billion which increased to USD 987.16 billion in year 2022 and it is projected to reach at USD 1,152.88 billion by year 2028.. As a result, the rising consumer electronics products market is anticipated to create a lucrative opportunity for the market growth. Along with this, According to Invest India, the global share of India in consumer

electronics manufacturing industry in 2012 was 1.3 percent and this number has increased up to 3.6 percent in 2019. As a result, growing consumer electronics market in the country will create the lucrative opportunity for the market during forecast period. However, the high manufacturing cost of Semiconductor Foundry stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Semiconductor Foundry Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America is a significant market for semiconductor foundries, with the presence of major players and a strong demand for advanced semiconductor technologies. The United States, in particular, is home to several leading semiconductor foundries. The region benefits from a well-established semiconductor ecosystem, technological advancements, and a focus on research and development. Asia Pacific is the largest and fastest-growing market for semiconductor foundries. The region is driven by the presence of major foundry companies and the increasing demand for consumer electronics, automotive electronics, and telecommunications devices. Countries like Taiwan, South Korea, and China are key players in the semiconductor foundry market in this region.

Major market player included in this report are:

Taiwan Semiconductor Manufacturing Company Limited

Samsung Foundry

United Microelectronics Corporation

GlobalFoundries

Tower Semiconductor

Powerchip Semiconductor Manufacturing Corp.

Vanguard International Semiconductor Corporation

Hua Hong Semiconductor Limited

DB HITEK

Intel Corporation

Recent Developments in the Market:

In July 2022, The partnership between Intel Corporation, a U.S.-based manufacturer of semiconductor chips, and MediaTek Inc., a supplier of semiconductor chips for tablet computers, wireless communication, and navigation systems, enables the production of semiconductor chips using Intel Foundry Services' cutting-edge process technologies. By adding a new foundry partner with significant capacity in both Europe and the US, the alliance hopes to assist MediaTek in creating a more dependable and balanced supply chain.

Global Semiconductor Foundry Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Technology, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Technology offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology Node:

10/7/5 nm

16/14 nm

20 nm

28 nm

45/40 nm

65 nm

Other Technology Nodes

By Application:

Consumer Electronics and Communication

Automotive

Industrial

HPC

Other Applications

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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