

Semiconductor Foundry Market Revenues to Reach USD 203.94 billion by 2028 - Market Size, Share, Forecasts, & Trends Analysis Report by Mordor Intelligence

According to a new market research report titled “[Semiconductor Foundry Market Report \(2023-2028\)](#),” the market is estimated at USD 143.12 billion in 2023. It is expected to register a CAGR of 7.34% during the forecast period.

Technological advancements, viz., the IoT, cloud computing, and Artificial Intelligence (AI) are leading up the long-term demand for the chip industry. AI is establishing new opportunities for the semiconductor industry as many AI applications rely on hardware as a core enabler of innovation, remarkably for logic and memory functions. The requirement for chips related to the rapidly growing use of AI is expected to contribute substantially to the industry's overall growth.

Report Summary:

Report Attribute	Details
Market Size (2023)	USD 143.12 billion
Market Size (2028)	USD 203.94 billion
CAGR (2023-2028)	7.34%
Study Period	2018-2028
Forecast Units	Value (USD billion)
Fastest Growing Market	Asia-Pacific
Largest Market	North America
Report Scope	Market Dynamics, Revenue Forecast and Segmentation, Competitive Landscape, and Recent Developments, Market Growth, Future Opportunities, and Trends
Key Market Drivers	Increasing technological advancements.
	A surge in the adoption of social media analytics tools.

Who are the Top Companies in the Semiconductor Foundry Market?

With the consolidated nature of the market, foundries in the industry are competing strongly to expand their presence and market share further. Additionally, these players are progressively investing in expanding their production capabilities.

The noteworthy players holding the global semiconductor foundry manufacturers market are:

- Taiwan Semiconductor Manufacturing Company (TSMC) Limited
- Globalfoundries Inc.
- United Microelectronics Corporation (UMC)
- Semiconductor Manufacturing International Corporation (SMIC)
- Samsung Electronics Co. Ltd (Samsung Foundry)

- Dongbu Hitek Co. Ltd
- Intel Corporation
- Hua Hong Semiconductor Limited
- Powerchip Technology Corporation
- STMicroelectronics NV
- Tower Semiconductor Ltd
- Vanguard International Semiconductor Corporation
- X-FAB Silicon Foundries
- NXP Semiconductors NV
- Renesas Electronics Corporation
- Microchip Technologies Inc.
- Texas Instruments Inc.

Other Reports That Might Be of Your Interest:

- [Semiconductor Lithography Equipment Market Report](#) - The semiconductor lithography equipment market size is expected to grow from USD 24.66 billion in 2023 to USD 35.21 billion by 2028 at a CAGR of 7.38% during the forecast period (2023-2028).
- [Semiconductor Bonding Equipment Market Report](#) - The semiconductor bonding equipment market size is estimated at USD 526.97 million in 2023 and is expected to reach USD 918.79 million by 2028 at a CAGR of 11.76% during the forecast period (2023-2028).

Key Highlights from the Semiconductor Foundry Market Report:

Automotive, IoT, and AI Sectors to Drive the Market

- With the snowballing availability of high-speed connectivity, rising cloud adoption, and increasing use of data processing and analytics, the adoption of the Internet of Things (IoT) is extending steadily. As per Ericsson, in 2022, there were 1.9 billion cellular IoT connections globally, which is expected to grow to 5.5 billion in 2027, registering a CAGR of 19% over the forecast period.
- Connected devices, from consumer-oriented technologies such as smartphones, tablets, cars, and wearables, to industrial machinery, rely on data-collecting components. As IoT devices don't work without semiconductors, they will substantially raise the demand for sensors, connectivity, memory, microcontrollers, and integrated circuits.

APAC Region to Dominate the Market

- The Asia-Pacific region holds a leading share of semiconductor foundries internationally. Countries such as South Korea, Taiwan, Japan, and China have a noteworthy market share.
- Asian countries manufacture most semiconductors, accounting for about 75% of global production. China is the largest single-country market in APAC and has a complex market with numerous different characteristics.

What are the Latest Developments in the Semiconductor Foundry Market?

- In November 2022, Hua Hong Semiconductor Ltd secured regulatory approval for USD 2.5 billion IPO in Shanghai. With this, Hua Hong intends to invest in a new fabrication plant (fab) in the

eastern city of Wuxi, with construction beginning this year and a production capacity of 83,000 wafers per month.

- In October 2022, Siemens partnered with TSMC for 3 nm product certifications and other technology milestones. Siemens' extended and prolific partnership with TSMC helps their joint customers supply highly innovative and differentiated ICs.

Mordor Intelligence has Segmented the Semiconductor Foundry Market Based on Technology Node, Application, and Geography:

- 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 Geography
 - North America
 - Europe
 - Middle East & Africa
 - Asia-Pacific

In a nutshell, the Mordor Intelligence market research report is a must-read for start-ups, industry players, investors, researchers, consultants, business strategists, and all those who are looking to understand this industry. Get a glance at the [Semiconductor Foundry Market Report \(2023-2028\)](#).

Mordor Intelligence constantly tracks industry trends. Some relevant market reports from the analysts that might be of interest to you:

- [Europe Semiconductor Materials Market Report](#) - The European semiconductor materials market size is estimated at USD 5.45 billion in 2023 and is expected to reach USD 6.94 billion by 2028 at a CAGR of 4.94% during the forecast period (2023-2028).
- [Japan Semiconductor Device Market Report](#) – The Japan semiconductor device market was valued at USD 47.72 billion during the current year and is anticipated to reach USD 65.38 billion by the end of the forecast period, registering a CAGR of 5.39% during the forecast period.
- [Asia-Pacific Semiconductor Devices Market Report](#) - The Asia-Pacific semiconductor devices market is expected to register a CAGR of 8.34% during the forecast period.

About Mordor Intelligence:

[Mordor Intelligence](#) is a market intelligence and advisory firm. At Mordor Intelligence, we believe in predicting butterfly effects that have the potential to change or significantly impact market dynamics.

Our market research reports are comprehensive and provide exclusive data, facts and figures, trends, and the industry's competitive landscape.