

# Semiconductor Foundry 2017 Global Market Expected to Grow at CAGR 11.01% and Forecast to 2021

*The analysts forecast the global Semiconductor Foundry market to grow at a CAGR of 11.01% during the period 2017-2021.*

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## [Global Semiconductor Foundry Market](#)

### Description

A semiconductor circuit chip is a tiny electronic device consisting of billions of components, such as transistors, capacitors, inductors, transformers, that store, move, and process data. The semiconductor chips are made from semiconductor materials such as silicon and germanium. These materials have semiconducting properties, which enable precise control of the flow of electrical current through them. Semiconductor chips enable devices to store and retrieve documents, photos, and music. They make up the brains, memory, and capacity for data communication for various products including cellular phones, TVs, gaming systems, aircraft, sea crafts, industrial materials, and military machinery, equipment, and weaponry. Mechanical products are heavily dependent on chip-based electronics. Fuel supply system in automobiles is operated by the carburetor. The carburetor was designed as a completely mechanical system that operated by opening and closing of valves to control the flow of fuel powered by gravity in a two-wheeler or a fuel pump in a multi-wheeled vehicle. But currently, the fuel supply system is controlled by an electronic system. The carburetor still exists, but its working is performed using an electronic governor that constantly monitors and adjusts the carburetor based on the required or set parameters. The manufacturing of semiconductor ICs is carried out by semiconductor foundries.

Covered in this report



The report covers the present scenario and the growth prospects of the global Semiconductor Foundry market for 2017-2021. To calculate the market size, the report considers the revenue generated by leading pure-play foundries and IDMs.

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The market is divided into the following segments based on geography:

- Americas
- APAC
- EMEA

The Global Semiconductor Foundry Market 2017-2021, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the market landscape and its growth prospects over the coming years. The report also includes a discussion of the key vendors operating in this market.

Key vendors

- TSMC
- GLOBALFOUNDRIES
- UMC
- SMIC
- SAMSUNG

Other prominent vendors

- Dongbu HiTek
- Fujitsu Semiconductor
- Hua Hong Semiconductor
- MagnaChip Semiconductor
- Powerchip Technology
- STMicroelectronics
- TowerJazz
- Vanguard International Semiconductor Corporation
- WIN Semiconductors
- X-FAB Silicon Foundries

Market driver

- Increasing demand for IoT
- For a full, detailed list, view our report

## Market challenge

- Excess IC inventory
- For a full, detailed list, view our report

## Market trend

- Increasing adoption of 3D NAND
- For a full, detailed list, view our report

## Key questions answered in this report

- What will the market size be in 2021 and what will the growth rate be?
- What are the key market trends?
- What is driving this market?
- What are the challenges to market growth?
- Who are the key vendors in this market space?
- What are the market opportunities and threats faced by the key vendors?
- What are the strengths and weaknesses of the key vendors?

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- TSMC
- GLOBALFOUNDRIES
- UMC

- SMIC
- SAMSUNG
- Other prominent vendors

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