

Market Share: Semiconductor Foundry, Worldwide, 2021

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Revenue for semiconductor foundry services jumped 31.3% in 2021 to become \$100.2 billion. Raised wafer selling prices, secured by long-term agreements with customers during chip shortage, accounted for about half of the revenue growth

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Overview

The ranking of top 10 foundries has changed in 2021 from 2020 due to the incredible business growth by Samsung Foundry, TSMC and Shanghai HuaHong Grace Semiconductor Manufacturing (HHGrace).

- TSMC maintained its revenue growth and market share due to the continuous success in supplying advanced nodes including the 5 nanometer (nm) wafers.
- Samsung Foundry became the No. 2 position for its strong growth in serving U.S. customers such as NVIDIA, Tesla and Qualcomm.
- UMC, No. 3, was able to maintain a 27% growth from higher wafer prices and more wafer shipped in 28nm and above nodes.
- GlobalFoundries (GF) was No. 4 position for serving 14 to 12 nm wafers required by AMD's chiplets and high demand of its legacy nodes in Singapore fabs in 2021.
- SMIC had a 39% increase of business serving Chinese customers in 14nm and wider geometries nodes.
- Powerchip Manufacturing Technology, PSMC, jumped to become No. 6 for its success in serving the driver IC business.
- HHGrace ranked in No. 7 was in healthy demand from the strength across MCU, smart cards, super junction, Power MOSFET and discrete serving Chinese customers.
- Vanguard International maintained its No. 8 position for having strength from its success in the higher margin PMIC business and the demand of large display drivers.
- Tower Semiconductor fell to No. 9, but had a nice rebounded back business in the second half of 2021.

— No. 10, Shanghai Huali Microelectronics (HLMC) had an increase in revenue for serving the high demand CMOs Image Sensor market when three or four camera modules are used in premium smartphones

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[Market Definitions and Methodology: Semiconductor Foundry Services](#)

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