

# 2022 Recap and 2023 Development of the Worldwide Semiconductor Foundry Industry

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## Abstracts

The global semiconductor foundry industry achieved a shipment value of US\$139.5 billion in 2022, representing a growth rate of 26.7% compared to 2021. Due to the Russia-Ukraine conflict, global inflation, and COVID-19 lockdowns in China, the global economy experienced a sharp decline in consumer market demand in early 2022. This situation compelled the semiconductor supply chain to undergo inventory corrections in the second half of 2022, thereby affecting the capacity utilization, revenue, and gross margin of the semiconductor foundry industry during this period. However, the semiconductor foundry industry maintained its growth momentum in the first half of 2022, thanks to semiconductor supply shortages from 2021. As a result, major wafer foundries continued to achieve double-digit percentage growth for the entire year. This report examines the overall developments in the semiconductor foundry industry in 2022, highlights the developmental trends of key industry players, including TSMC, UMC, SMIC, and GlobalFoundries, and offers insights into the future outlook of the semiconductor foundry industry.

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