

Global Semiconductor Industry Development Trends and Emerging Applications

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Date: October 2021

Pages: 48

Price: US\$ 2,800.00 (Single User License)

ID: G3E1CAF2736AEN

Abstracts

As global demand for chips continues to rise, the global semiconductor revenues are estimated to witness a spike in 2021 and thus the industry's revenue growth will likely continue into 2022. Meanwhile, as global fabs are expanding their production capacity worldwide, it is anticipated the chip supply crunch will alleviate in the second half of 2022 and/or 2023. This report provides an overview of the development of the global semiconductor market and three Taiwanese three semiconductor sub-industry sectors, including IC design, IC manufacturing and IC packaging and testing; looks into root causes behind the supply and demand imbalance; examines how emerging applications are driving demand for chips, touching on AI chips, automotive electronics, and wide bandgap semiconductors.

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