

Semiconductor Wafers Producers and Semiconductor Wafers Market Trend

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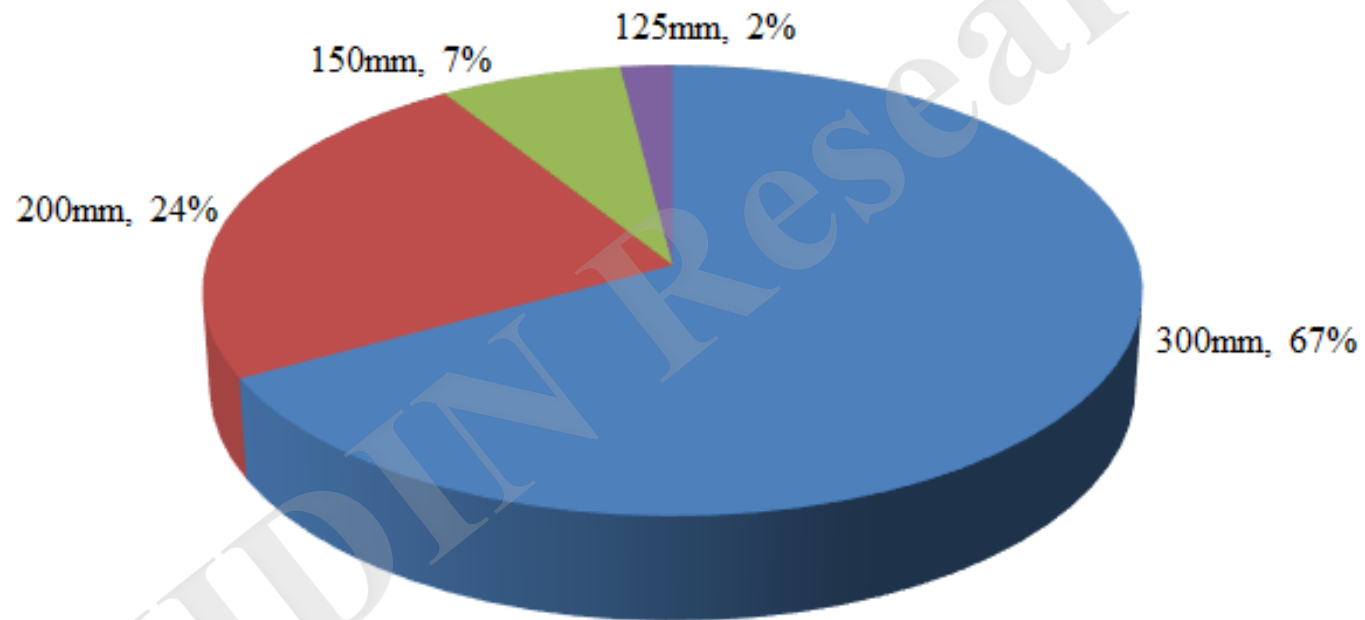
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Semiconductor wafers, as one of the most important categories of semiconductor materials, provide the basic support for the development of the semiconductor industry. Silicon has become the most widely used and important semiconductor base material in the world because of its excellent properties such as unidirectional conductivity, thermal properties, photoelectric properties, doping properties, and the ability to grow into large-sized high-purity crystals with abundant reserves and low prices.

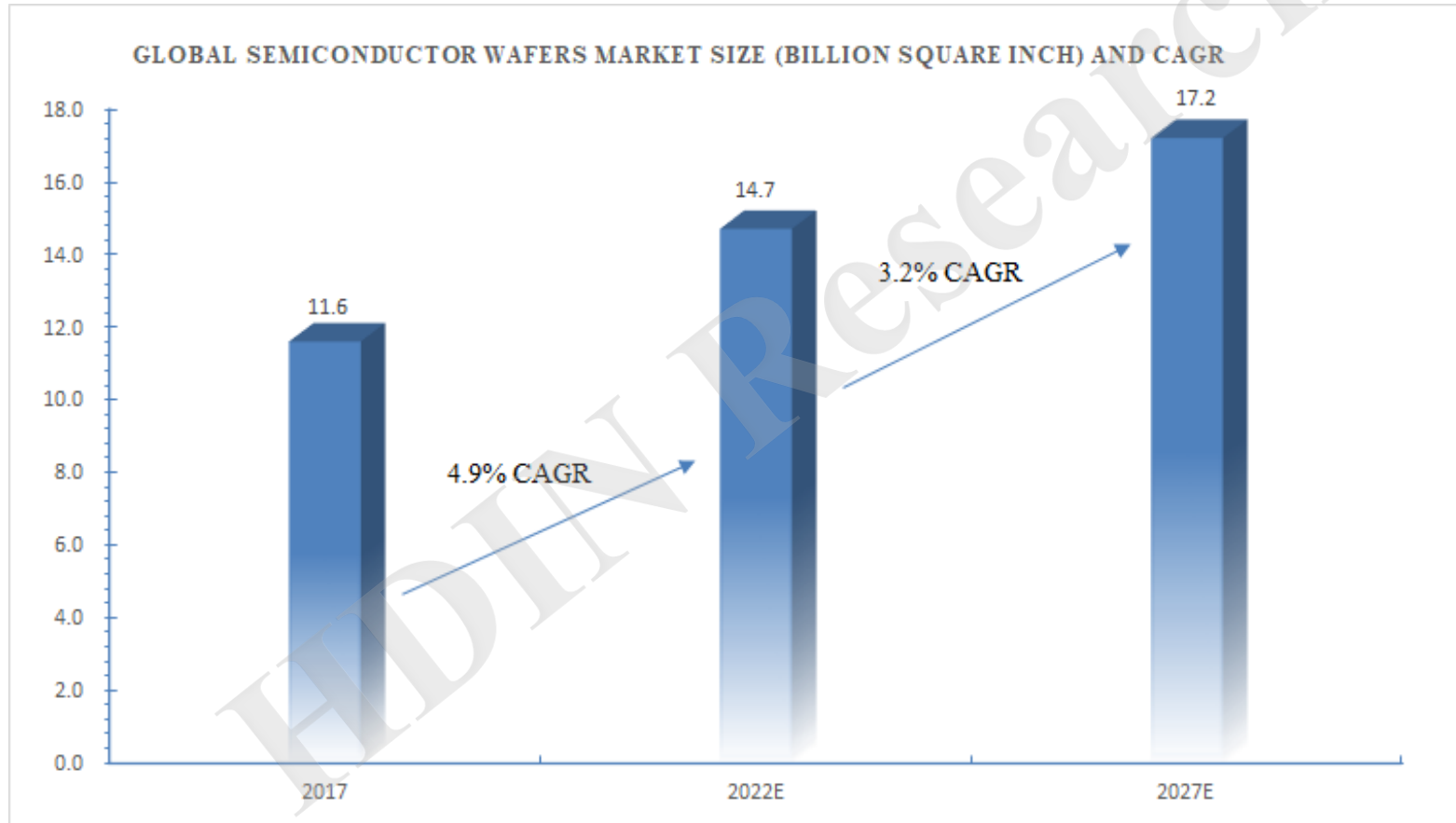
Semiconductor wafers are available in 2-inch (50mm), 3-inch (75mm), 4-inch (100mm), 5-inch (125mm), 6-inch (150mm), 8-inch (200mm) and 12-inch (300mm) sizes. The mainstream products in the global market are 8-inch and 12-inch diameter semiconductor wafers, which account for more than 90% of global semiconductor wafer shipments.

Global Semiconductor Wafers Market Share By Type (2021)



The global semiconductor wafer market size was 11.6 billion square inches in 2017, growing to 14.7 billion square inches in 2022, with a CAGR of 4.9% from 2017 to 2022. The global semiconductor wafer market size is expected to grow to 17.2 billion square inches in 2027, with a CAGR of 3.2% from 2022 to 2027.

Figure 2017-2027 Global Semiconductor Wafers Market Size (Billion Square Inch) and CAGR



The global semiconductor wafer market is highly concentrated, with CR5 holding about 95% of the market share. They are Shin-Etsu (27.3%), SUMCO (24.2%), Global Wafers (17.1%), Siltronic (13.2%), and SK Siltron (13.0%).

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Global Semiconductor Wafers Market Share By Vendors (2021)

