

Global 8-inch Wafer Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global 8-inch Wafer market size will reach 3,781.51 Million USD in 2025 and is projected to reach 6,212.69 Million USD by 2032, with a CAGR of 7.35% (2025-2032). Notably, the China 8-inch Wafer market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

An 8-inch wafer refers to a circular slice of semiconductor material, usually silicon, that has a diameter of approximately 8 inches (200mm). Wafers are the base material used in the fabrication of integrated circuits (ICs) and other semiconductor devices. The 8-inch wafer size has been widely used in the semiconductor industry as a standard for manufacturing ICs. The larger wafer diameter allows for more chips to be produced in a single batch, leading to higher fabrication efficiency and cost-effectiveness. It also enables the integration of more transistors and circuitry on each chip, contributing to increased performance and functionality in electronic devices. As technology advances, the semiconductor industry is also transitioning to larger wafer sizes such as 12-inch (300mm) to meet the growing demand for more powerful and advanced semiconductor devices.

The major global manufacturers of 8-inch Wafer include Shin-Etsu Chemical, Sumco, Global Wafers, Siltronic, SK Siltron, Waferworks, Ferrotec, AST, Gritek, Guosheng, QL Electronics, MCL, National Silicon Industry Group, Poshing, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises

global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of 8-inch Wafer. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global 8-inch Wafer market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the 8-inch Wafer market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of 8-inch Wafer industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of 8-inch Wafer Include:

Shin-Etsu Chemical

Sumco

Global Wafers

Siltronic

SK Siltron

Waferworks

Ferrotec

AST

Gritek

Guosheng

QL Electronics

MCL

National Silicon Industry Group

Poshing

8-inch Wafer Product Segment Include:

8-inch Polished Wafer

8-inch Epitaxial Wafer

8-inch Annealed Wafer

Other

8-inch Wafer Product Application Include:

Memory

Logic/MPU

Analog

Discrete Device&Sensor

Other

Chapter Scope

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