

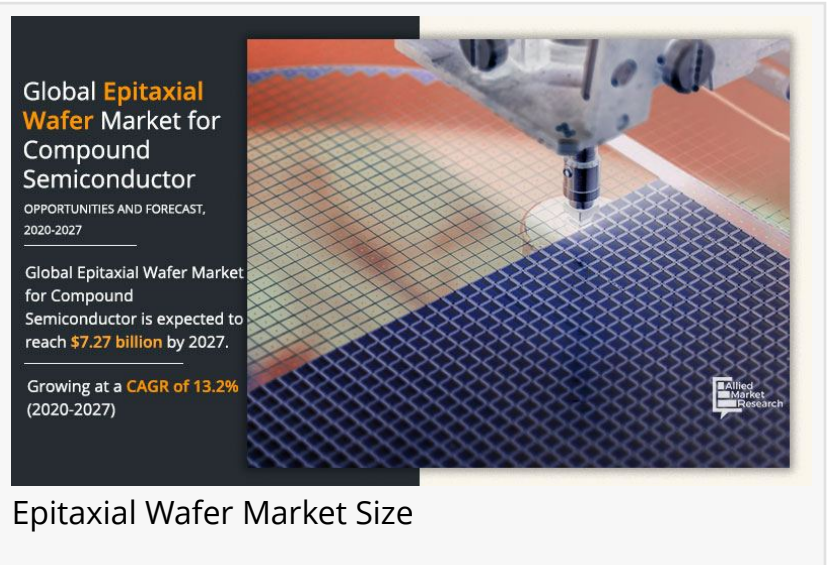
Epitaxial Wafer Market Growth Rate Views is Projected to Reach \$7.27 Billion by 2027 | CAGR of 13.2%.

Epitaxial Wafer Market: Global Opportunity Analysis and Industry Forecast, 2020-2027

WILMINGTON, DELAWARE, UNITED STATES, November 20, 2023

/EINPresswire.com/ -- [Epitaxial Wafer Market](#) for Compound Semiconductor

by Application (CS Power Electronics, CS RF/Microwave, CS Photonics, CS Sensing, and CS Quantum) and End User (Digital Economy, Industrial and Energy & Power, Defense/Security, Transport, Consumer Electronics, Healthcare, and Space): Global Opportunity Analysis and Industry Forecast, 2020-2027.



The global epitaxial wafer market size for compound semiconductor was valued at \$2.65 billion in 2019, and is projected to reach \$7.27 billion by 2027, growing at a CAGR of 13.2% from 2020 to 2027.

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Rapid adoption of smart technologies in digital economy, the penetration of IoT- and AI-based technologies and increased use of smart devices epitaxial wafer market for compound semiconductor. ”

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A compound semiconductor epitaxial wafer is made up of epitaxial growth (epitaxy) to be used in photonics, microelectronics, spintronics, and photovoltaic, among others. The epitaxial layers define the wireless, photonic, and electronic performance of compound semiconductor epitaxial wafers, which are then processed to produce the

chips and ICs, which can be found in various technology devices and gadgets.

The epitaxial wafer market for compound semiconductor is currently in its growth stage and is expected to register substantial growth in the near future, attributed to the high investment in R&D activities by market players and focus of society towards Internet of things (IoT). Other factors which drive the growth of [epitaxial wafer industry](#) for compound semiconductor include increase in demand for automobile & electronics and development of smart cities.

COVID-19 is having a large impact on both consumer and the economy. Electronics manufacturing hubs have been temporarily shut down to limiting the COVID-19 spread among the individuals. This has majorly affected the supply chain of semiconductor market by creating shortages of materials, components, and finished goods. Lack of business continuity has ensured significant negative impacts on revenue, shareholder returns, and revenue, which are expected to create financial disruptions in the compound semiconductor industry.

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Competitive Analysis:

The epitaxial wafer industry key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Some of the major key players of the epitaxial wafer market include,

- Sumitomo Electric Industries, Ltd.,
- Incorporated,
- CREE, INC.,
- GLOBAL COMMUNICATION SEMICONDUCTORS, LLC,
- Intelligent Epitaxy Technology, Inc.
- NICHIA CORPORATION,
- EPISTAR Corporation,
- SK SILTRONIC,
- Masimo Semiconductor, Inc.,
- International Quantum Epitaxy Plc.

Top Impacting Factors:

The most prominent factors that drive the epitaxial wafer market growth for compound semiconductor are advantage of compound semiconductor wafers over silicon-based wafers, increasing demand for compound semiconductor epitaxial wafer in consumer electronics, and emerging trends toward wafers in automotive industry. However, increase in cost of wafer manufacturing acts as the major barrier for early adoption; thereby, hampering the growth of the market.

Research Methodology:

The research uses both primary and secondary research to assemble data on the various facets of the international security screening market. Using interviews or surveys, primary market research has been used to collect highly authenticated data from direct sources, such as consumers in a particular market. Secondary market research is a method for gathering information from previously released data that has been produced by international organizations, business groups, government and research institutions, and so on.

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Key Benefits for Stakeholders:

1. This study comprises analytical depiction of the global epitaxial wafer market size for compound semiconductor along with the current trends and future estimations to depict the imminent investment pockets.
2. The overall epitaxial wafer market analysis for compound semiconductor is determined to understand the profitable trends to gain a stronger foothold.
3. The report presents information related to key drivers, restraints, and opportunities with a detailed impact analysis.
4. The current epitaxial wafer market forecast for compound semiconductor is quantitatively analyzed from 2019 to 2027 to benchmark the financial competency.
5. Porter's five forces analysis illustrates the potency of the buyers and the epitaxial wafer market share for compound semiconductor of key vendors.

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