

# Global Epitaxial Growth Equipment for SiC and GaN Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Epitaxial Growth Equipment for SiC and GaN market size will reach 1,350.60 Million USD in 2025 and is projected to reach 2,274.49 Million USD by 2032, with a CAGR of 7.73% (2025-2032). Notably, the China Epitaxial Growth Equipment for SiC and GaN 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

Epitaxial growth equipment for SiC (Silicon Carbide) and GaN (Gallium Nitride) is specialized semiconductor manufacturing machinery designed for the precise deposition of thin crystalline layers of SiC or GaN onto semiconductor substrates. These materials are known for their unique electronic and thermal properties, making them essential for the production of high-performance power electronics, optoelectronic devices, and radiofrequency components. The epitaxial growth process for SiC and GaN involves techniques such as chemical vapor deposition (CVD) or metal-organic chemical vapor deposition (MOCVD) to create thin, single-crystal layers with tailored electrical characteristics. This equipment is crucial in enabling the development of advanced semiconductor devices capable of operating at high temperatures and power levels, making it essential for applications like electric vehicles, 5G communications, and efficient power conversion systems.

The major global manufacturers of Epitaxial Growth Equipment for SiC and GaN include

NuFlare Technology Inc., Tokyo Electron Limited, NAURA, VEECO, Taiyo Nippon Sanso, Aixtron, ASM International, Advanced Micro-Fabrication Equipment Inc. China (AMEC?, 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 Epitaxial Growth Equipment for SiC and GaN. 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 Epitaxial Growth Equipment for SiC and GaN 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 Epitaxial Growth Equipment for SiC and GaN 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 Epitaxial Growth Equipment for SiC and GaN 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 Epitaxial Growth Equipment for SiC and GaN Include:

NuFlare Technology Inc.

Tokyo Electron Limited

NAURA

VEECO

Taiyo Nippon Sanso

Aixtron

ASM International

Advanced Micro-Fabrication Equipment Inc. China (AMEC?)

Epitaxial Growth Equipment for SiC and GaN Product Segment Include:

CVD

MOCVD

Others

Epitaxial Growth Equipment for SiC and GaN Product Application Include:

SiC Epitaxy

GaN Epitaxy

## **Chapter Scope**

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