

Global Nitride Semiconductor Epitaxial Wafer Market Growth 2024-2030

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Abstracts

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Power devices using nitride semiconductors are expected to become green devices that support a future low-carbon society. Nitride semiconductors represented by gallium nitride (GaN) are expected to become next-generation power devices because they can operate at high power, high withstand voltage, high frequency, and low loss, exceeding the limits of currently widely used Si power devices. It has technology for crystal growth on silicon (Si), sapphire (Al_2O_3), silicon carbide (SiC), gallium nitride (GaN) substrates, and can be used for all substrates used in nitride systems.

The global Nitride Semiconductor Epitaxial Wafer market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Nitride Semiconductor Epitaxial Wafer Industry Forecast" looks at past sales and reviews total world Nitride Semiconductor Epitaxial Wafer sales in 2023, providing a comprehensive analysis by region and market sector of projected Nitride Semiconductor Epitaxial Wafer sales for 2024 through 2030. With Nitride Semiconductor Epitaxial Wafer sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Nitride Semiconductor Epitaxial Wafer industry.

This Insight Report provides a comprehensive analysis of the global Nitride Semiconductor Epitaxial Wafer landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with

a focus on Nitride Semiconductor Epitaxial Wafer portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Nitride Semiconductor Epitaxial Wafer market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nitride Semiconductor Epitaxial Wafer and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Nitride Semiconductor Epitaxial Wafer.

United States market for Nitride Semiconductor Epitaxial Wafer is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Nitride Semiconductor Epitaxial Wafer is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Nitride Semiconductor Epitaxial Wafer is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Nitride Semiconductor Epitaxial Wafer players cover NTT Advanced Technology, Mitsubishi Chemical Corporation, JXT, Sumitomo, Okmetic, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Nitride Semiconductor Epitaxial Wafer market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

GaN Epitaxial Wafer

AlN Epitaxial Wafer

Segmentation by Application:

Cable TV

5G Communications

Radar

Aerospace

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

NTT Advanced Technology

Mitsubishi Chemical Corporation

JXT

Sumitomo

Okmetic

IGSS GaN

Homray Material Technology

POWDEC K.K.

Atecom Technology

IVWorks

Ceramicforum

Sino Nitride Semiconductor

GaNcool Semiconductor

Ganhonor Semiconductor

Dihedral (Shanghai) Technology

Fuboon

Key Questions Addressed in this Report

What is the 10-year outlook for the global Nitride Semiconductor Epitaxial Wafer market?

What factors are driving Nitride Semiconductor Epitaxial Wafer market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Nitride Semiconductor Epitaxial Wafer market opportunities vary by end market size?

How does Nitride Semiconductor Epitaxial Wafer break out by Type, by Application?

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