

Global GaN Single Crystal Substrate Market Growth 2023-2029

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Abstracts

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The global GaN Single Crystal Substrate market size is projected to grow from US\$ 207.4 million in 2022 to US\$ 422.1 million in 2029; it is expected to grow at a CAGR of 10.7% from 2023 to 2029.

Globally, GaN single crystal substrate companies are mainly distributed in Japan, which accounts for more than 50% of the global GaN single crystal substrate market share. At present, the substrate size is generally 2-4 inches, and a few companies have broken through the 6-inch technology level, but the larger the size, the worse the yield rate.

GaN single crystal substrates are a material that enables the production of high-performance power semiconductors. GaN can deliver dramatically improved performance across a wide range of applications while reducing the energy and physical space required to deliver that performance compared to traditional silicon technologies.

LPI (LP Information)' newest research report, the "GaN Single Crystal Substrate Industry Forecast" looks at past sales and reviews total world GaN Single Crystal Substrate sales in 2022, providing a comprehensive analysis by region and market sector of projected GaN Single Crystal Substrate sales for 2023 through 2029. With GaN Single Crystal Substrate sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world GaN Single Crystal Substrate industry.

This Insight Report provides a comprehensive analysis of the global GaN Single Crystal

Substrate 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 GaN Single Crystal Substrate portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global GaN Single Crystal Substrate market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for GaN Single Crystal Substrate 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 GaN Single Crystal Substrate.

This report presents a comprehensive overview, market shares, and growth opportunities of GaN Single Crystal Substrate market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

2 Inch

4 Inch

Others

Segmentation by application

GaN RF Devices

GaN Power Devices

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 analyzing the company's coverage, product portfolio, its market penetration.

Sumitomo Chemical

Mitsubishi Chemical

Sumitomo Electric Industries

Kyma Technologies

Saint-Gobain Lumilog

Suzhou Nanowin

Wuxi Goetsu Semiconductor

Innotronix

Sino Nitride

IHPP NL3

Key Questions Addressed in this Report

What is the 10-year outlook for the global GaN Single Crystal Substrate market?

What factors are driving GaN Single Crystal Substrate market growth, globally and by region?

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

How do GaN Single Crystal Substrate market opportunities vary by end market size?

How does GaN Single Crystal Substrate break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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