

# **Global GaN Single Crystal Substrate Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029**

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## **Abstracts**

According to our (Global Info Research) latest study, the global GaN Single Crystal Substrate market size was valued at USD 218.1 million in 2022 and is forecast to a readjusted size of USD 421.2 million by 2029 with a CAGR of 9.9% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

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.

This report is a detailed and comprehensive analysis for global GaN Single Crystal Substrate market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

### Key Features:

Global GaN Single Crystal Substrate market size and forecasts, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (USD/Pcs), 2018-2029

Global GaN Single Crystal Substrate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (USD/Pcs), 2018-2029

Global GaN Single Crystal Substrate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Pcs), and average selling prices (USD/Pcs), 2018-2029

Global GaN Single Crystal Substrate market shares of main players, shipments in revenue (\$ Million), sales quantity (K Pcs), and ASP (USD/Pcs), 2018-2023

### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for GaN Single Crystal Substrate

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global GaN Single Crystal Substrate market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sumitomo Chemical, Mitsubishi Chemical, Sumitomo Electric Industries, Kyma Technologies and Saint-Gobain Lumilog, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

### Market Segmentation

GaN Single Crystal Substrate market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts

for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

2 Inch

4 Inch

Others

#### Market segment by Application

GaN RF Devices

GaN Power Devices

#### Major players covered

Sumitomo Chemical

Mitsubishi Chemical

Sumitomo Electric Industries

Kyma Technologies

Saint-Gobain Lumilog

Suzhou Nanowin

Wuxi Goetsu Semiconductor

Innotronix

Sino Nitride

## IHPP NL3

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe GaN Single Crystal Substrate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of GaN Single Crystal Substrate, with price, sales, revenue and global market share of GaN Single Crystal Substrate from 2018 to 2023.

Chapter 3, the GaN Single Crystal Substrate competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the GaN Single Crystal Substrate breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017

to 2022.and GaN Single Crystal Substrate market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of GaN Single Crystal Substrate.

Chapter 14 and 15, to describe GaN Single Crystal Substrate sales channel, distributors, customers, research findings and conclusion.

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