

# Global GaN Single Crystal Substrate Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GFBBAF39A433EN.html>

Date: July 2023

Pages: 105

Price: US\$ 4,480.00 (Single User License)

ID: GFBBAF39A433EN

## Abstracts

The global GaN Single Crystal Substrate market size is expected to reach \$ 421.2 million by 2029, rising at a market growth of 9.9% CAGR during the forecast period (2023-2029).

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.

This report studies the global GaN Single Crystal Substrate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for GaN Single Crystal Substrate, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of GaN Single Crystal Substrate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global GaN Single Crystal Substrate total production and demand, 2018-2029,  
(K Pcs)

Global GaN Single Crystal Substrate total production value, 2018-2029, (USD Million)

Global GaN Single Crystal Substrate production by region & country, production, value,  
CAGR, 2018-2029, (USD Million) & (K Pcs)

Global GaN Single Crystal Substrate consumption by region & country, CAGR,  
2018-2029 & (K Pcs)

U.S. VS China: GaN Single Crystal Substrate domestic production, consumption, key  
domestic manufacturers and share

Global GaN Single Crystal Substrate production by manufacturer, production, price,  
value and market share 2018-2023, (USD Million) & (K Pcs)

Global GaN Single Crystal Substrate production by Type, production, value, CAGR,  
2018-2029, (USD Million) & (K Pcs)

Global GaN Single Crystal Substrate production by Application production, value,  
CAGR, 2018-2029, (USD Million) & (K Pcs)

This reports 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, Saint-Gobain Lumilog, Suzhou Nanowin, Wuxi Goetsu Semiconductor, Innotronix and Sino Nitride, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World GaN Single Crystal Substrate market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (K Pcs) and average price (USD/Pcs) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global GaN Single Crystal Substrate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global GaN Single Crystal Substrate Market, Segmentation by Type

2 Inch

4 Inch

Others

#### Global GaN Single Crystal Substrate Market, Segmentation by Application

GaN RF Devices

GaN Power Devices

## Companies Profiled:

Sumitomo Chemical

Mitsubishi Chemical

Sumitomo Electric Industries

Kyma Technologies

Saint-Gobain Lumilog

Suzhou Nanowin

Wuxi Goetsu Semiconductor

Innotronix

Sino Nitride

IHPP NL3

## Key Questions Answered

1. How big is the global GaN Single Crystal Substrate market?
2. What is the demand of the global GaN Single Crystal Substrate market?
3. What is the year over year growth of the global GaN Single Crystal Substrate market?
4. What is the production and production value of the global GaN Single Crystal Substrate market?
5. Who are the key producers in the global GaN Single Crystal Substrate market?
6. What are the growth factors driving the market demand?

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