

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

<https://marketpublishers.com/r/G97E60C10BE1EN.html>

Date: August 2023

Pages: 113

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

ID: G97E60C10BE1EN

## Abstracts

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

Traditional GaN devices typically use silicon or sapphire substrates, but these substrates can be limiting for some applications. The GaN free-standing single crystal substrate overcomes these limitations and has the following characteristics: thermal diffusivity matching, electrical characteristics advantages, excellent interface quality, high luminous efficiency, and wide application.

The GaN free-standing single crystal substrate is a material used to prepare high-performance optoelectronic devices. It is composed of high-purity gallium nitride material without external substrate support.

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

This report is a detailed and comprehensive analysis of the world market for GaN Free-standing 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 Free-standing Single Crystal Substrate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global GaN Free-standing Single Crystal Substrate total production and demand, 2018-2029, (Units)

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

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

Global GaN Free-standing Single Crystal Substrate consumption by region & country, CAGR, 2018-2029 & (Units)

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

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

Global GaN Free-standing Single Crystal Substrate production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global GaN Free-standing Single Crystal Substrate production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units).

This reports profiles key players in the global GaN Free-standing 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 Novel Crystal Technology(NCT), Flosfia, Kyma Technologies, Toyoda Gosei, Mitsubishi Chemical Corporation, MTI Corporation, Suzhou Nanowin Science and Technology, Goetsu Semiconductor Wuxi and Eta Semiconductor Technology, 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 Free-standing Single Crystal Substrate market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) 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 Free-standing Single Crystal Substrate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global GaN Free-standing Single Crystal Substrate Market, Segmentation by Type

2 Inches

4 Inches

6 Inches

#### Global GaN Free-standing Single Crystal Substrate Market, Segmentation by Application

Aerospace

Communication

Energy

Electronics

Automotive

Others

#### Companies Profiled:

Novel Crystal Technology(NCT)

FloSfia

Kyma Technologies

Toyoda Gosei

Mitsubishi Chemical Corporation

MTI Corporation

Suzhou Nanowin Science and Technology

Goetsu Semiconductor Wuxi

Eta Semiconductor Technology

Sino Nitride Semiconductor

Beijing Innotronix Technologies

Xiamen Powerway Advanced Material

Changzhou Galasemi

## Key Questions Answered

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

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